

Draft 2008 & 2015 8-Hour Ozone NAAQS Periodic Emissions Inventory

Inventory Year 2017

State of Connecticut



Connecticut
Department of Energy &
Environmental Protection

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Section 1 Background and Emissions Summary

1.0 Introduction

The State of Connecticut submits the 2017 Periodic Emissions Inventory (PEI) which fulfills two regulatory obligations. First pursuant to section 182(a)(3)(A) of the Clean Air Act (CAA), 40 Code of Federal Regulations (CFR) 51.1115(b), and the presence in the state of a nonattainment area (Southwest Connecticut) for the 2008 ozone National Ambient Air Quality Standard (NAAQS); Connecticut is obliged to develop and submit a periodic inventory for 2017. Additionally, given the state's nonattainment status area for the 2015 ozone NAAQS, the 2017 inventory satisfies the CAA's section 182(a)(1) and 40 CFR 51.1315(a) requirement for the development and submittal of a base year emissions inventory.It was developed in accordance with the United States Environmental Protection Agency (EPA) document *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter NAAQS and Regional Haze Regulations*.

The Connecticut Department of Energy & Environmental Protection (CT DEEP) will use this PEI, with appropriate adjustments to account for banked offsets, when developing inventories for future requirements of Reasonable Further Progress, as well as upcoming Attainment Demonstrations and/or Maintenance State Implementation Plans (SIPs).

The PEI is comprised of emissions from all sources in Connecticut, and can be identified by their Source Classification Codes (SCCs). The EPA publishes a National Emissions Inventory (NEI) which contains emissions estimates for each SCC. For each SCC reported in this PEI, NEI data was evaluated and the values were either accepted or augmented with additional state data.

Unless otherwise noted in the source type documentation sections, emission factors were obtained from the *Compilation of Air Pollutant Emissions Factors* (AP-42) to calculate emissions. The EPA procedures have been followed in developing the emissions inventory for the State of Connecticut's SIP.

This PEI presents the 2017 emissions produced within Connecticut from the following source types:

Table 1-1: Sources Included in this Periodic Emission Inventory

Source Type	Inventory Background	Inventory Data
Stationary Point Sources	Section 2	Appendix C
Mobile Sources	Section 3	Appendices D, E, F, & G
Area Sources	Section 4	Appendices D, H & I
Biogenic Sources	Section 5	Table 5-1 & Table 5-2

1.0.1 Agencies/Contacts Responsible for Inventory

The lead agency responsible for the preparation and submittal of the PEI is the CT DEEP Bureau of Air Management (The Bureau). The Bureau is directly responsible for the collection of source level activity data, emission factor determination, emissions calculations, documentation, and quality assurance. Other CT DEEP Bureaus and State Agencies contribute necessary information for the preparation of emissions estimates. The Connecticut Department of Transportation (CT DOT) provides Vehicle Miles of Travel (VMT) data, daily and seasonal adjustment factor data, and documentation of the methodology used by CT DOT to estimate VMT data for the on-road mobile source inventory. The Connecticut Department of Motor Vehicles (CT DMV) provides vehicle registry data used to determine vehicle age distribution, develop base line county level vehicle populations, and to adjust vehicle mix distributions of the vehicle fleet in Connecticut. The Connecticut Department of Labor (CT DOL) provides employment data by Standard Industrial Code (SIC) for determining source activity levels for on-road mobile source emissions inventories.

It should be noted that the PEI does not address the tracking of potential emissions offsets from shutdown sources.

The applicable points of contact for the 2017 PEI are listed below in Table 1-2:

Table 1-2: List of Contacts for the 2017 Connecticut Periodic Emissions Inventory

Responsibility	Contact	Phone Number	Agency
Inventory Planning & Development	Richard Rodrigue	(860) 424-3429	Connecticut Department of Energy & Environmental Protection Bureau of Air Management 79 Elm Street Hartford, CT 06106
Point Emissions Data and Activity Levels	Rebecca McLean	(860) 424-3511	
MOVES Mobile Emissions Data and Activity Levels	Lou Corsino	(860) 424-3544	
Aircraft, Commercial Marine Vessel, and Locomotive Data and Activity Levels	Steve Potter	(860) 424-3385	
Area Emissions Data and Activity Levels	Steve Potter	(860) 424-3385	
VMT Generation and Other On-Road Vehicle Data	Judy Raymond	(860) 594-2032	Connecticut Department of Transportation 2800 Berlin Turnpike Newington, CT 06111
Quality Assurance (Section 6)	Kristin Salimeno	(860) 424-3055	Connecticut Department of Energy & Environmental Protection Bureau of Air Management 79 Elm Street Hartford, CT 06106

1.1 Attainment Classifications of Geographic Areas in Connecticut

This emissions inventory encompasses all counties in Connecticut and any geographic area designated by the EPA as non-attainment or classified as maintenance.

Since the NEI only tracks emissions at the county level, emissions for this PEI are similarly provided for each county. A comprehensive map of Connecticut displaying all town and county boundaries are shown on the following page in Figure 1-A.

Ozone

In November 1991, the EPA designated Connecticut as not in attainment with the 1-hour ozone standard. An 8-hour ozone standard was introduced in 1997 to replace the 1-hour standard, which was completely phased out in 2005. The 8-hour non-attainment areas replaced the 1-hour non-attainment areas used in previous PEIs. The 8-hour ozone standard was updated in 2008 and Connecticut was designated with two Non-Attainment areas with a 'Moderate' status: the Connecticut portion of the NY-NJ-CT Area, comprised of Fairfield, New Haven, and Middlesex counties, and the Greater Connecticut Area, which is comprised of all other counties.[1,2] These areas are shown in Figure 1-B. The 8-hour ozone standard was again updated in 2015 with an ozone non-attainment redesignation effective date of 2018. [3]

Particulate Matter

In 2006, the EPA designated Fairfield and New Haven counties as part of the NY-NJ-CT non-attainment area for both the 1997 Annual and 2006 24-hour $PM_{2.5}$ NAAQS, while the rest of Connecticut was designated as being in attainment.[4] The EPA re-designated the Connecticut portion of the NY-NJ-CT non-attainment area as attainment with a maintenance classification for both the 1997 Annual and 2006 24-Hour $PM_{2.5}$ NAAQSs, effective October 12, 2013. In 2012, the EPA promulgated a new Annual $PM_{2.5}$ NAAQS and the 1997 Annual $PM_{2.5}$ NAAQS and its attainment areas were revoked on October 24, 2016. All of Connecticut was designated as in attainment with no classification for the 2012 Annual $PM_{2.5}$ NAAQS effective April 15, 2015.[5] The areas associated with the 1997 and 2006 $PM_{2.5}$ NAAQSs are shown in Figure 1-C.

Carbon Monoxide

In November 1991, the EPA designated three areas in Connecticut as not in attainment with the 1971 CO NAAQSs. These non-attainment areas were distinguished as the Hartford-New Britain-Middletown Area, the New Haven-Meriden-Waterbury Area, and the Connecticut portion of the NY-NJ-CT Area. The EPA re-designated the Hartford-New Britain-Middletown non-attainment area as attainment effective May 14, 1996, the New Haven-Meriden-Waterbury non-attainment area as attainment effective October 5, 1998, and the Connecticut portion of the NY-NJ-CT non-attainment area as attainment effective March 10, 1999, making the entire state designated as attainment for CO.[6] The 1971 CO NAAQSs maintenance areas are defined in Table 1-3 and are presented in Figure 1-D.

[1] 40 CFR § 50.10. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-50#50.11
[2] U.S. Environmental Protection Agency. *Greenbook: 8-Hour Ozone (2008) Designated Area State/Area/County Report.* 2008. https://www3.epa.gov/airquality/greenbook/hbcs.html#CT
[3] 40 CFR § 51. https://www.govinfo.gov/content/pkg/FR-2018-12-06/pdf/2018-25424.pdf
[4] Note: $PM_{2.5}$ is defined as Particulate Matter (PM) with an aerodynamic diameter equal or less than 2.5 microns
[5] U.S. Environmental Protection Agency. *Greenbook: PM-2.5 (1997) Designated Area State/Area/County Report*. 1997. https://www3.epa.gov/airquality/greenbook/qbcs.html#CT
[6] U.S. Environmental Protetionc Agency. *Greenbook: Carbon Monoxide (1971) Designated Area State/Area/County Report*. 1971. https://www3.epa.gov/airquality/greenbook/cbcs.html#CT

Figure 1-A: Connecticut County and Town Boundaries

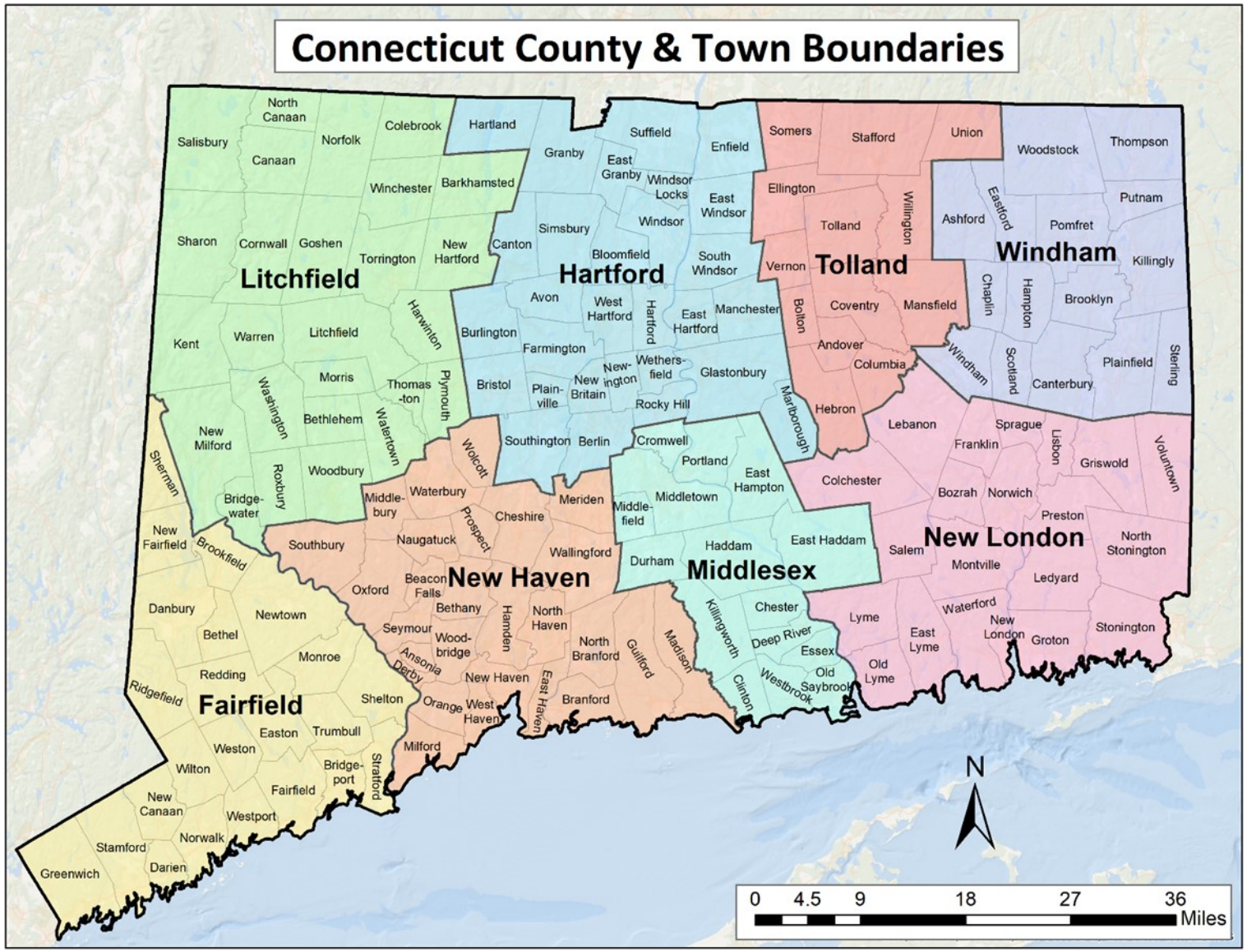


Figure 1-B: 2017 Connecticut Ozone Non-Attainment Status

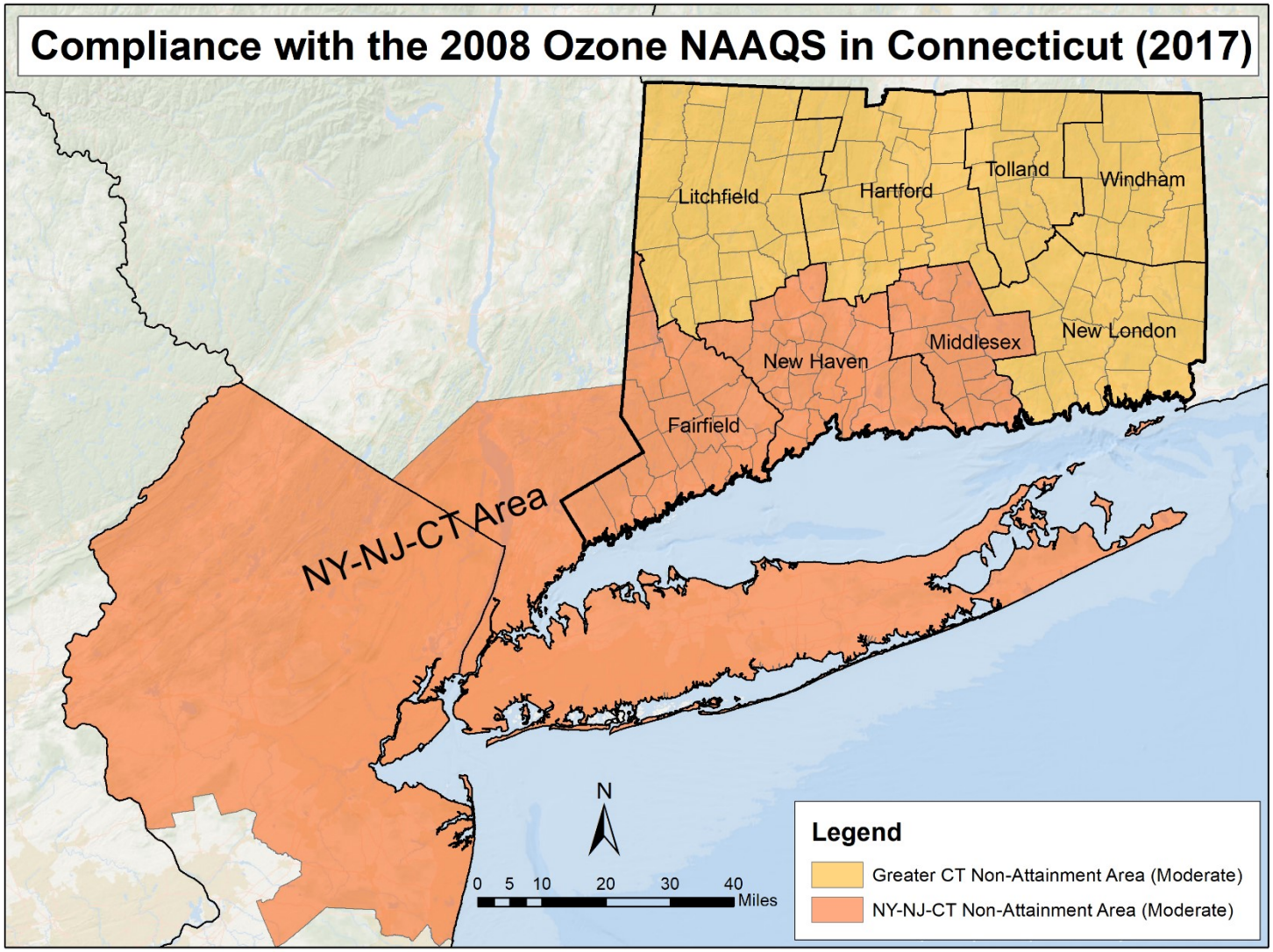


Figure 1-C: 2017 Connecticut $PM_{2.5}$ Status Areas

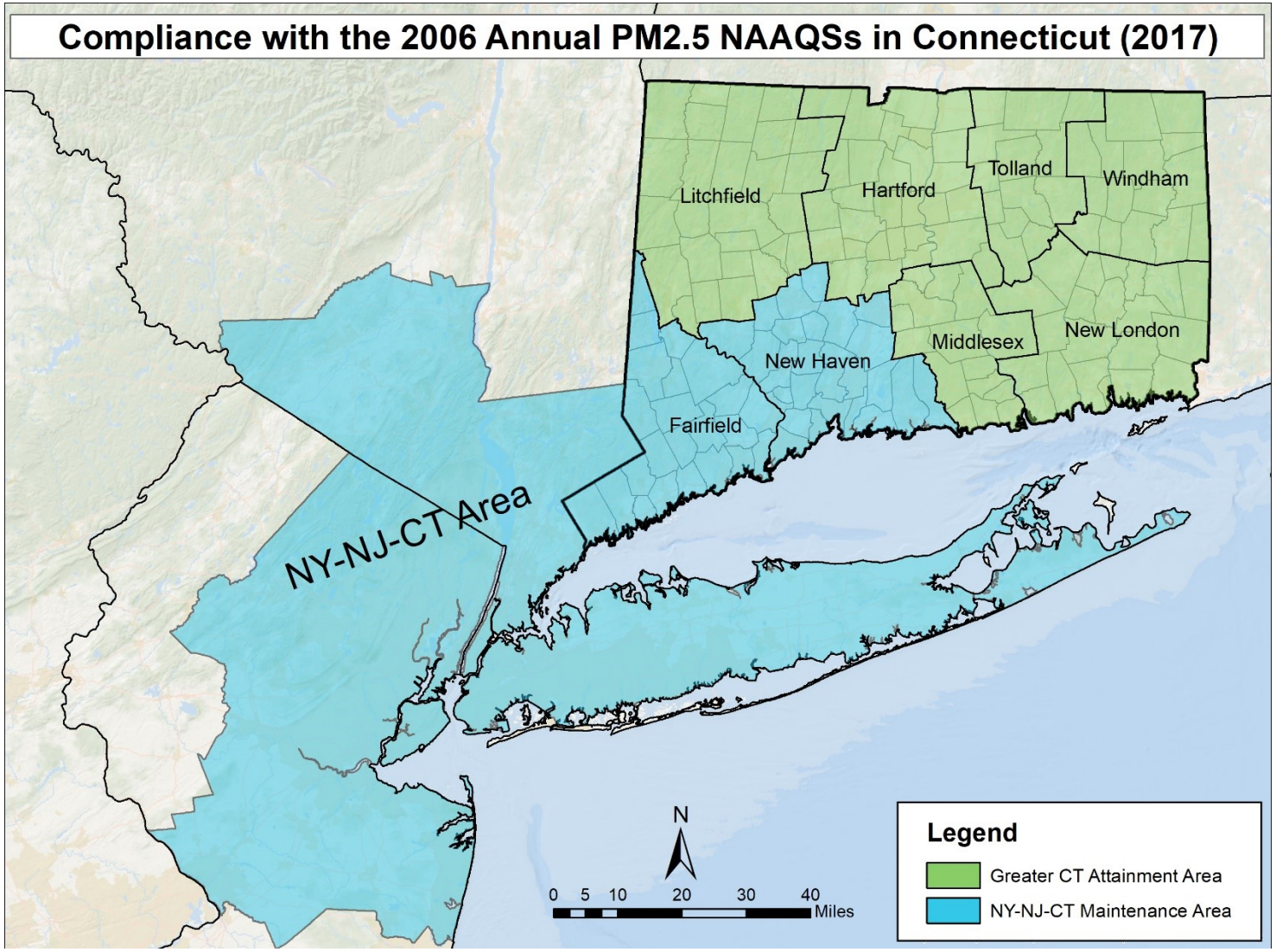
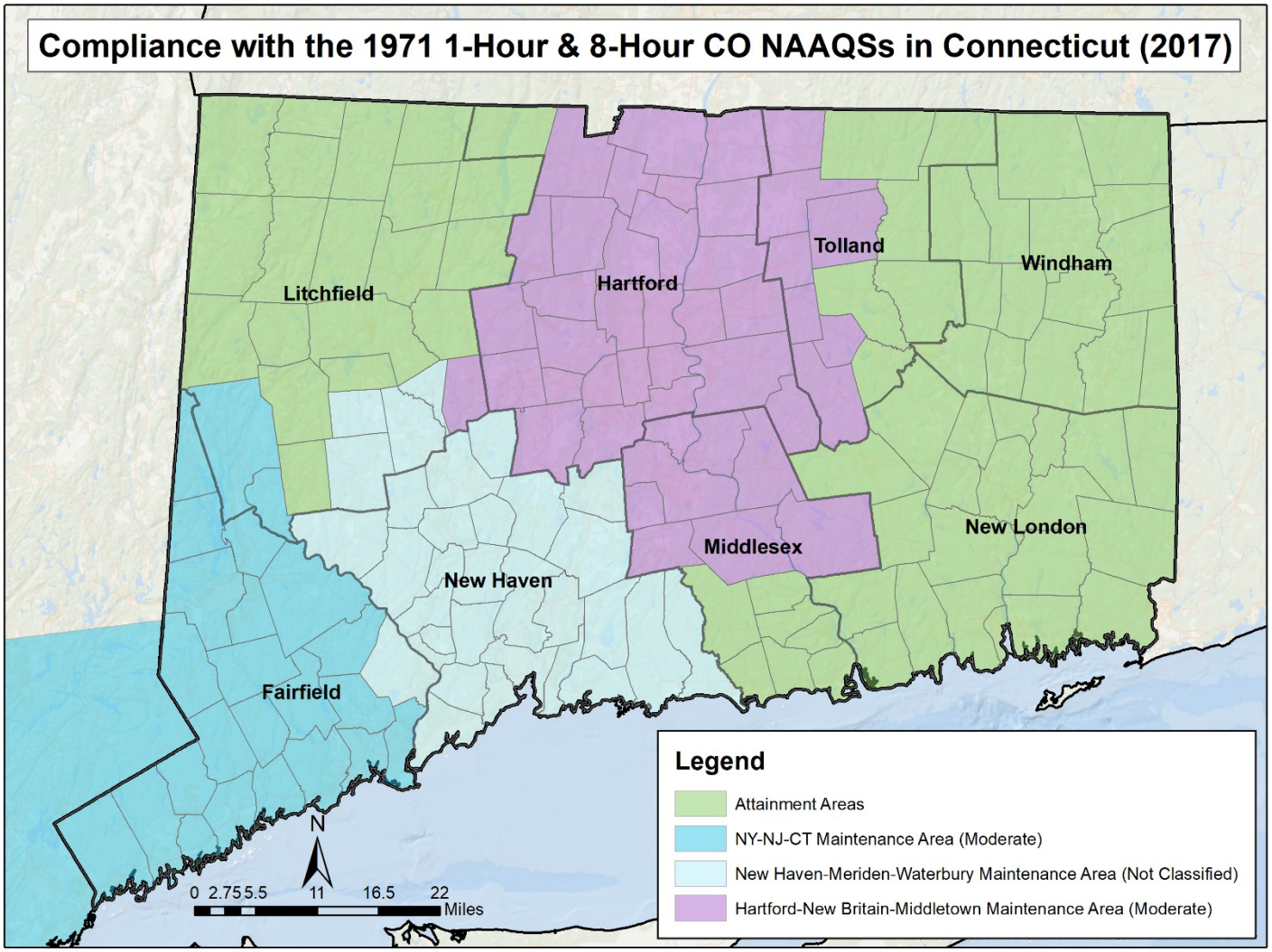


Table 1-3: 2017 Connecticut Carbon Monoxide Status Areas [7]

Description of CO Status Area	Designation	Classification
CT Portion of NY-NJ-CT Area Fairfield County (All cities and towns except Shelton) Litchfield County (Bridgewater and New Milford)	Attainment	Moderate > 12.7 PPM / Maintenance
Hartford-New Britain-Middletown Area Hartford County (All cities and towns except Hartland) Litchfield County (Plymouth) Middlesex County (Cromwell, Durham, East Hampton, Haddam, Middlefield, Middletown, Portland, East Haddam) Tolland County (Andover, Bolton, Ellington, Hebron, Somers, Tolland, Vernon)	Attainment	Moderate ≤ 12.7 PPM/ Maintenance
New Haven-Meriden-Waterbury Area Fairfield County (Shelton) Litchfield County (Bethlehem, Thomaston, Watertown, Woodbury) New Haven County	Attainment	Not Classified/ Maintenance
Eastern Attainment Area Middlesex County (All cities and towns not in maintenance areas) New London County Tolland County (All cities and towns not in maintenance areas) Windham County	Attainment	Maintenance
Northwest Attainment Area Hartford County (Hartland) Litchfield County (All cities and towns not in maintenance areas)	Attainment	Unclassifiable

[7] U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide (1971)*

Figure 1-D: 2017 Connecticut CO Status Areas



1.2 Emissions Summary

This PEI presents the emissions produced during the 2017 calendar year from stationary point sources, mobile sources, area sources, and biogenic sources located in each county as well as the ozone non-attainment and $PM_{2.5}$ attainment areas within the State of Connecticut.

Connecticut submits the annual and summer day emissions produced in each ozone non-attainment area to comply with the provisions set forth for 2008 Ozone NAAQS PEIs.[8] The pollutants reported are ozone precursor compounds, volatile organic compounds (VOCs) and oxides of nitrogen (NO_X), as well as carbon monoxide (CO).

The definition of aggregated VOC pollutant used in this PEI excludes non-reactive VOCs, such as methane, ethane, methylene chloride, 1,1,1-trichloroethane, perchloroethylene, acetone, methyl acetate, cyclic, branched, or linear completely methylated siloxanes, and dozens of organofluorine compounds. For a comprehensive list of excluded compounds, please refer to the federal definition of VOCs in 40 CFR Part 51.100(s).[9]

Connecticut also submits the annual and summer day emissions produced throughout the state and each of its counties, as well as in the two $PM_{2.5}$ attainment areas. The pollutants reported for annual emissions are ozone precursor compounds (VOC & NO_X), CO, PM_{10} Primary (PM_{10}-PRI), $PM_{2.5}$ Primary ($PM_{2.5}$-PRI), sulfur dioxide (SO_2), ammonia (NH_3), and lead (Pb). Only ozone precursor compounds and CO are reported for summer day emissions.

Statewide annual and summer day emissions from stationary point sources, mobile sources, area sources, and biogenic sources sources are respectively presented in Table 1-4 below and Table 1-6 on page 1-12. These emissions are specified by county in Table 1-5 and Table 1-7, by ozone non-attainment area on page 1-14, and by $PM_{2.5}$ attainment area on page 1-15.

Table 1-4: 2017 Annual Emissions of All Sources in Connecticut

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	22,670	11,585	85,132	4,782	2,309	751	702	0.4334
Hartford	22,525	10,531	73,532	4,833	2,290	525	1,102	0.4370
Litchfield	14,840	1,955	20,999	2,703	1,001	117	706	0.1524
Middlesex	9,842	2,784	17,427	1,335	656	184	289	0.0693
New Haven	20,603	9,258	64,715	3,819	1,914	454	766	0.2778
New London	15,533	4,969	24,322	2,759	1,039	273	558	0.1664
Tolland	8,463	1,528	12,480	1,475	586	86	473	0.0893
Windham	10,244	1,612	12,727	1,588	647	87	691	0.1269
Connecticut	**124,720**	**44,221**	**311,333**	**23,294**	**10,442**	**2,477**	**5,286**	**1.7525**
All Counties	**Statewide Inflight (non-Landing-Takeoff cycle) Lead Emissions**							1.2635
Connecticut (plus lead above boundary layer)	Note: EPA estimated 2,527 lb/yr (1.2635 Tons per Year) of statewide inflight lead emissions (SCC 22-75-087-000), which when added to the above statewide total of lead emitted below the boundary layer, results in an estimated statewide total of 6,032 lb/yr (3.016 Tons per Year) for 2017 lead emissions.							**3.0160**

[8] 40 CFR § 51.1115(b). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)
[9] 40 CFR § 51.100(s). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.100(s)

Table 1-5: 2017 Annual Emissions of All Sources in Connecticut by County

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield								
Stationary Point Sources	117	1,456	152	111	107	358	52	0.1169
On-Road Mobile Sources	3,408	4,360	37,823	341	84	24	207	0.0000
Non-Road Mobile Sources	2,645	2,876	39,341	285	268	5	5	0.2545
Area Sources	7,923	2,833	6,924	4,045	1,850	364	438	0.0619
Biogenic Sources	8,577	60	892	-	-	-	-	-
Fairfield Total	**22,670**	**11,585**	**85,132**	**4,782**	**2,309**	**751**	**702**	**0.4334**
Hartford								
Stationary Point Sources	182	1,058	545	51	48	117	245	0.0841
On-Road Mobile Sources	3,382	4,344	38,575	336	84	25	218	0.0000
Non-Road Mobile Sources	1,635	1,936	26,019	187	177	46	3	0.2963
Area Sources	9,550	3,059	7,461	4,258	1,982	337	636	0.0566
Biogenic Sources	7,776	133	932	-	-	-	-	-
Hartford Total	**22,525**	**10,531**	**73,532**	**4,833**	**2,290**	**525**	**1,102**	**0.4370**
Litchfield								
Stationary Point Sources	26	38	16	15	14	1	4	0.0831
On-Road Mobile Sources	809	788	7,708	51	14	4	33	0.0000
Non-Road Mobile Sources	840	491	8,027	55	52	1	1	0.0524
Area Sources	2,075	550	4,053	2,581	921	112	667	0.0169
Biogenic Sources	11,091	88	1,195	-	-	-	-	-
Litchfield Total	**14,840**	**1,955**	**20,999**	**2,703**	**1,001**	**117**	**706**	**0.1524**
Middlesex								
Stationary Point Sources	65	689	233	43	43	80	23	0.0041
On-Road Mobile Sources	699	978	8,153	63	17	5	48	0.0000
Non-Road Mobile Sources	544	541	5,914	45	42	1	1	0.0493
Area Sources	1,482	529	2,481	1,185	554	98	216	0.0159
Biogenic Sources	7,053	46	646	-	-	-	-	-

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Middlesex Total	**9,842**	**2,784**	**17,427**	**1,335**	**656**	**184**	**289**	**0.0693**
New Haven								
Stationary Point Sources	360	272	185	72	72	86	39	0.0084
On-Road Mobile Sources	3,055	4,067	34,432	305	77	23	201	0.0000
Non-Road Mobile Sources	1,600	2,349	23,116	183	173	9	3	0.2119
Area Sources	7,644	2,493	6,129	3,259	1,592	336	522	0.0574
Biogenic Sources	7,943	76	854	-	-	-	-	-
New Haven Total	**20,603**	**9,258**	**64,715**	**3,819**	**1,914**	**454**	**766**	**0.2778**
New London								
Stationary Point Sources	90	808	173	30	29	108	9	0.0331
On-Road Mobile Sources	1,077	1,503	12,109	99	26	8	74	0.0000
Non-Road Mobile Sources	884	1,767	7,576	90	85	4	2	0.1082
Area Sources	3,291	820	3,560	2,540	899	153	472	0.0251
Biogenic Sources	10,190	71	903	-	-	-	-	-
New London Total	**15,533**	**4,969**	**24,322**	**2,759**	**1,039**	**273**	**558**	**0.1664**
Tolland								
Stationary Point Sources	7	70	38	18	18	3	7	0.0006
On-Road Mobile Sources	590	791	6,396	55	15	4	38	0.0000
Non-Road Mobile Sources	252	258	3,060	27	26	1	0	0.0764
Area Sources	1,272	354	2,362	1,374	528	78	428	0.0124
Biogenic Sources	6,343	55	624	-	-	-	-	-
Tolland Total	**8,463**	**1,528**	**12,480**	**1,474**	**587**	**86**	**473**	**0.0893**
Windham								
Stationary Point Sources	78	222	166	112	102	13	95	0.0027
On-Road Mobile Sources	576	689	6,168	66	15	4	35	0.0000
Non-Road Mobile Sources	348	332	3,392	34	32	1	1	0.1136
Area Sources	1,256	312	2,262	1,376	499	69	560	0.0106

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Biogenic Sources	7,987	57	738	-	-	-	-	-
Windham Total	**10,244**	**1,612**	**12,727**	**1,588**	**647**	**87**	**691**	**0.1269**
Statewide Total	**124,720**	**44,221**	**311,333**	**23,293**	**10,443**	**2,477**	**5,286**	**1.7525**
Inflight aircraft emissions above the boundary layer	**Statewide Inflight (non-Landing-Takeoff cycle) Lead Emissions**							**1.2635**
Statewide Total including Inflight aircraft emissions above the boundary layer	Note: EPA estimated 2,527 lb/yr (1.2635 Tons per Year) of statewide inflight lead emissions (SCC 22-75-087-000), which when added to the above statewide total of lead emitted below the boundary layer, results in an estimated statewide total of 6,032 lb/yr (3.016 Tons per Year) for 2017 lead emissions.							**3.0160**

Table 1-6: 2017 Summer Day Emissions of All Sources in Connecticut

County	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Fairfield	104.9	29.9	287.4
Hartford	101.2	26.9	236.2
Litchfield	88.3	5.1	60.0
Middlesex	60.4	12.5	55.0
New Haven	96.0	23.8	206.4
New London	90.3	15.3	72.4
Tolland	51.1	4.0	36.1
Windham	63.7	4.3	37.6
Connecticut	**655.8**	**121.8**	**991.0**

Table 1-7: 2017 Summer Day Emissions of All Sources in Connecticut by County

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Fairfield			
Stationary Point Sources	0.4	4.7	0.8
On-Road Mobile Sources	9.6	11.8	119.9
Non-Road Mobile Sources	9.3	9.7	155.9
Area Sources	24.6	3.4	5.6
Biogenic Sources	61.1	0.3	5.3
Fairfield Total	**104.9**	**29.9**	**287.4**
Hartford			
Stationary Point Sources	0.4	4.2	2.5
On-Road Mobile Sources	9.5	11.9	123.4
Non-Road Mobile Sources	5.7	6.5	99.1
Area Sources	30.8	3.8	5.7
Biogenic Sources	54.7	0.6	5.5
Hartford Total	**101.2**	**26.9**	**236.2**
Litchfield			
Stationary Point Sources	0.1	0.3	0.0
On-Road Mobile Sources	2.2	2.1	21.8
Non-Road Mobile Sources	2.6	1.6	29.3
Area Sources	5.4	0.6	1.7
Biogenic Sources	78.1	0.4	7.1
Litchfield Total	**88.3**	**5.1**	**60.0**

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Middlesex			
Stationary Point Sources	1.9	7.3	2.3
On-Road Mobile Sources	2.0	2.7	26.3
Non-Road Mobile Sources	1.9	1.7	21.3
Area Sources	4.0	0.6	1.2
Biogenic Sources	50.6	0.2	3.8
Middlesex Total	**60.4**	**12.5**	**55.0**
New Haven			
Stationary Point Sources	1.2	2.0	1.6
On-Road Mobile Sources	8.5	11.0	109.8
Non-Road Mobile Sources	5.5	7.7	84.9
Area Sources	24.1	2.9	5.1
Biogenic Sources	56.6	0.3	5.0
New Haven Total	**96.0**	**23.8**	**206.4**
New London			
Stationary Point Sources	0.4	4.7	0.9
On-Road Mobile Sources	3.1	4.1	39.1
Non-Road Mobile Sources	3.1	5.2	25.4
Area Sources	10.2	1.0	1.8
Biogenic Sources	73.6	0.3	5.3
New London Total	**90.3**	**15.3**	**72.4**
Tolland			
Stationary Point Sources	0.0	0.4	0.2
On-Road Mobile Sources	1.7	2.2	20.1
Non-Road Mobile Sources	0.9	0.9	11.3
Area Sources	3.3	0.4	0.9
Biogenic Sources	45.2	0.2	3.7
Tolland Total	**51.1**	**4.0**	**36.1**
Windham			
Stationary Point Sources	0.2	0.6	0.4
On-Road Mobile Sources	1.6	1.9	19.5
Non-Road Mobile Sources	1.2	1.2	12.5
Area Sources	3.4	0.3	0.8
Biogenic Sources	57.2	0.2	4.3
Windham Total	**63.7**	**4.3**	**37.6**
Statewide Total	**655.8**	**121.8**	**991.0**

Table 1-8: 2017 Annual Emissions of Ozone Precursor Compounds in the Connecticut Portion of the NY-NJ-CT Ozone Non-Attainment Area

Source Type	Annual Emissions [TPY]		
	VOC	NO_X	CO
Stationary Point Sources	542	2,418	570
On-Road Mobile Sources	7,162	9,405	80,407
Non-Road Mobile Sources	4,789	5,767	68,371
Area Sources	17,049	5,856	15,534
Biogenic Sources	23,573	181	2,393
Total of All Source Types	**53,115**	**23,627**	**167,274**

Table 1-9: 2017 Annual Emissions of Ozone Precursor Compounds in the Greater Connecticut Ozone Non-Attainment Area

Source Type	Annual Emissions [TPY]		
	VOC	NO_X	CO
Stationary Point Sources	382	2,197	938
On-Road Mobile Sources	6,434	8,115	70,956
Non-Road Mobile Sources	3,959	4,783	48,073
Area Sources	17,444	5,095	19,698
Biogenic Sources	43,387	404	4,393
Total of All Source Types	**71,605**	**20,594**	**144,058**

Table 1-10: 2017 Summer Day Emissions of Ozone Precursor Compounds in the Connecticut Portion of the NY-NJ-CT Ozone Non-Attainment Area

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Stationary Point Sources	3.6	14.0	4.7
On-Road Mobile Sources	20.0	25.5	256.0
Non-Road Mobile Sources	16.6	19.0	262.1
Area Sources	52.7	6.9	11.9
Biogenic Sources	168.3	0.8	14.1
Total of All SourceTypes	**261.3**	**66.2**	**548.8**

Table 1-11: 2017 Summer Day Emissions of Ozone Precursor Compounds in the Greater Connecticut Ozone Non-Attainment Area

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Stationary Point Sources	1.1	10.2	3.9
On-Road Mobile Sources	18.1	22.2	223.9
Non-Road Mobile Sources	13.5	15.4	177.6
Area Sources	53.0	6.0	10.9
Biogenic Sources	308.8	1.7	25.9
Total of All Source Types	**394.5**	**55.6**	**442.2**

Table 1-12: 2017 Annual Emissions of All Sources in the Connecticut Portion of the NY-NJ-CT $PM_{2.5}$ Maintenance Area

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Stationary Point Sources	477	1,728	337	183	179	445	91	0.1253
On-Road Mobile Sources	6,463	8,427	72,254	647	161	47	408	0.0000
Non-Road Mobile Sources	4,245	5,225	62,456	468	441	14	8	0.4664
Area Sources	15,567	5,326	13,053	7,304	3,442	700	960	0.1194
Biogenic Sources	16,519.93	135.46	1,746.87	0	0	0	0	0.0000
Total All Source Types *	**43,273**	**20,842**	**149,847**	**8,601**	**4,223**	**1,205**	**1,468**	**0.7112**

* (NOTE: Inflight aircraft lead emissions above the boundary layer are not included in this table.)

Table 1-13: 2017 Annual Emissions of All Sources in the Greater Connecticut $PM_{2.5}$ Attainment Area

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Stationary Point Sources	447	2,887	1,171	269	253	321	383	0.2076
On-Road Mobile Sources	7,133	9,093	79,109	671	170	50	447	0.0000
Non-Road Mobile Sources	4,503	5,324	53,988	438	414	53	8	0.6962
Area Sources	18,926	5,625	22,179	13,314	5,383	847	2,980	0.1375
Biogenic Sources	50,440	450	5,039	0	0	0	0	0
Total All Source Types *	**81,448**	**23,379**	**161,486**	**14,692**	**6,220**	**1,272**	**3,819**	**1.0413**

* (NOTE: Inflight aircraft lead emissions above the boundary layer are not included in this table.)

Section 1 References

1. 40 CFR § 51.1115(b). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b).
2. U.S. Environmental Protection Agency. 2017. *Emissions Inventory Guidence for Implementation of Ozone and Particulate Matter National Ambient Air Quality Snandards (NAAQS) and Regional Haze.* https://www.epa.gov/sites/default/files/2017-07/documents/ei_guidance_may_2017_final_rev.pdf
3. 40 CFR § 50.10. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-50#50.11.
4. U.S. Environmental Protection Agency. *Greenbook: 8-Hour Ozone (2008) Designated Area State/Area/County Report.* https://www3.epa.gov/airquality/greenbook/hbcs.html#CT.
5. 40 CFR § 51. https://www.govinfo.gov/content/pkg/FR-2018-12-06/pdf/2018-25424.pdf
6. Note: $PM_{2.5}$ is defined as Particulate Matter (PM) with an aerodynamic diameter equal or less than 2.5 microns
7. U.S. Environmental Protection Agency. *Greenbook: PM-2.5 (1997) Designated Area State/Area/County Report.* https://www3.epa.gov/airquality/greenbook/qbcs.html#CT.
8. U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide (1971) Designated Area State/Area/County Report.* https://www3.epa.gov/airquality/greenbook/cbcs.html#CT.
9. U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide* (1971)
10. 40 CFR § 51.1115(b). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b).
11. 40 CFR § 51.100(s). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.100(s)

Section 2 Stationary Point Sources

2.0 Introduction

This section documents the identification of stationary air pollution sources active in Connecticut during the 2017 calendar year. It serves to characterize the point source component of the emissions inventory by describing data collection, verification, and emissions estimation techniques. For the purpose of this emissions inventory, point sources are defined as stationary commercial or stationary industrial operations or plants that were major sources during calendar year 2017.

The CT DEEP Bureau of Air Management is responsible for compiling the point source inventory. These responsibilities include identifying which plants meet the cut-off criteria, documenting the methods used to calculate emissions from the equipment at each of these plants, and summarizing and presenting the findings. Table 2-1 and Table 2-2, below, respectively present the annual and typical high ozone summer day emissions for all point sources in each county.

Table 2-1: 2017 Annual Emissions of Stationary Point Sources in Connecticut

County	2017 Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	116.84	1,456.33	151.97	111.43	106.89	358.46	52.06	0.1169
Hartford	181.85	1,058.10	544.62	51.14	47.70	116.60	245.12	0.0841
Litchfield	25.93	38.40	15.97	15.28	13.59	0.82	4.46	0.0831
Middlesex	64.65	689.49	232.95	43.01	43.00	79.73	23.26	0.0041
New Haven	360.09	271.94	184.71	71.87	71.71	86.48	39.25	0.0084
New London	90.13	808.28	173.32	30.02	28.67	108.44	9.40	0.0331
Tolland	6.53	69.95	38.16	18.03	18.00	2.68	6.56	0.0006
Windham	77.72	222.41	165.93	111.61	101.79	12.80	94.62	0.0027
Connecticut	**923.74**	**4,614.89**	**1,507.88**	**452.40**	**431.35**	**766.03**	**474.74**	**0.3330**

Table 2-2: 2017 Summer Day Emissions of Stationary Point Sources in Connecticut

County	2017 Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	749	9,457	1,565
Hartford	806	8,465	4,913
Litchfield	177	664	89
Middlesex	3,874	14,583	4,618
New Haven	2,497	3,905	3,127
New London	744	9,303	1,705
Tolland	51	759	352
Windham	423	1,272	794
Connecticut	**9,321**	**48,408**	**17,164**

2.1 Identification of 2017 Point Sources

Since 2009, only Title V sources, defined in RCSA Sec. 22a-174-33, that have a Title V permit or that have been specifically requested to file by CT DEEP are required to submit an emissions statement.[10] Beginning in 2014, companies were required to submit their emissions statements electronically via CT DEEP's software application, EMIT. Emissions of the following pollutants are collected using EMIT: VOC, NO_X, CO, PM_{10} primary (PM_{10}-PRI), PM_{10} filterable (PM_{10}-FIL), $PM_{2.5}$ primary ($PM_{2.5}$-PRI), $PM_{2.5}$ filterable ($PM_{2.5}$-FIL), PM condensable (PM-CON), SO_2, NH_3, and Hazardous Air Pollutants (HAPs), including lead (Pb).

The 2017 periodic stationary source inventory is primarily based on the emissions statement submittals, which reported the source's actual 2017 emissions signed by a corporate officer who attested to the accuracy of their calculations. Facility data for the eighty-three (83) Connecticut sites listed in Table 2-3 below were submitted for the 2017 National Emissions Inventory. Appendix A.0 Point Source List Development History further describes the 2017 periodic stationary source inventory. This state collected point inventory was supplemented by EPA 2017 Toxic Release Inventory data to obtain a more accurate point lead emission estimate.

Connecticut uses a combination of the town, premises within the town, and statewide client identification number to create a unique state facility ID that is used in EMIT.

Table 2-3: 2017 List of Stationary Point Sources

EIS Facility Identifier	Site Name	Town Name	Town ID	Premise ID	Client ID	Title V Permit No.
Fairfield County						
754211	Sprague Operating Resources, LLC	BRIDGEPORT	15	17	8751	015-0215-TV
754311	PSEG PWR CT LLC/BPT HARBOR STA	BRIDGEPORT	15	45	8087	015-0217-TV
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	15	765	8786	015-0219-TV
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	15	862	6859	015-0256-TV
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	28	49	8044	028-0029-TV
17997311	Tilcon Connecticut Inc. - Danbury	DANBURY	44	39	6578	044-0202-TV
2722211	KINGSWOOD KITCHENS INC	DANBURY	44	226	3050	044-0121-TV
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	67	17	7741	067-0072-TV
552411	NORWALK HOSPITAL ASSOCIATION	NORWALK	137	3	1727	137-0094-TV
14623611	WATERSIDE POWER LLC	STAMFORD	172	26	8048	172-0236-TV
588811	PolyOne Designed Structures and Solutions	STAMFORD	172	91	8762	172-0133-TV
642511	SIKORSKY AIRCRAFT CORPORATION	STRATFORD	178	5	8785	178-0086-TV
14623811	BRIDGEPORT INSULATED WIRE CO	STRATFORD	178	60	4680	178-0127-TV
533411	Total Petrochemical and Refining	STRATFORD	178	167	8768	178-0088-TV
589611	HAMPFORD RESEARCH INC	STRATFORD	178	223	5988	178-0132-TV
14623911	STRATFORD SCHOOL FOR AVIATION	STRATFORD	178	231	5239	178-0125-TV
Hartford County						
769211	FIRESTONE BUILDING PRODUCTS CO	BRISTOL	26	19	6579	026-0114-TV
588711	COVANTA BRISTOL, INC	BRISTOL	26	202	6590	026-0055-TV
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	53	9	130	053-0071-TV

[10] RCSA § 22a-174-33. 2018. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174Section_22a-174-33/

EIS Facility Identifier	Site Name	Town Name	Town ID	Premise ID	Client ID	Title V Permit No.
715611	MIRA / MID-CONNECTICUT	HARTFORD	75	158	8792	075-0252-TV
552311	M D C /HARTFORD WPCF	HARTFORD	75	505	1046	075-0246-TV
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	75	766	8310	075-0244-TV
14622811	Manchester Landfill Premises	MANCHESTER	97	225	197	097-0127-TV
918811	STANLEY TOOLS DIV	NEW BRITAIN	110	282	110	110-0083-TV
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	168	110	4470	168-0040-TV
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	213	1	8095	213-0069-TV
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	213	2	130	213-0081-TV
Litchfield County						
845911	KIMBERLY-CLARK CORP	NEW MILFORD	130	6	1672	130-0050-TV
17952511	FJC Services, LLC	PLYMOUTH	147	62	8773	147-0021-TV
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	183	24	7741	
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	183	43	7741	
587911	Albea Metal Americas Inc.	WATERTOWN	200	26	8709	200-0034-TV
2711411	Braxton Manufacturing Company, Inc.	WATERTOWN	200	52	6689	200-0052-TV
Middlesex County						
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	43	5	8820	043-0020-TV
17876611	MATTABASSETT DISTRICT	CROMWELL	43	12	562	043-0032-TV
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	104	7	130	104-0103-TV
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	104	24	7741	104-0106-TV
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	104	246	8070	104-0150-TV
New Haven County						
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	14	4	7741	
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	54	5	1457	054-0015-TV
590011	DEVON POWER, LLC	MILFORD	105	14	7741	105-0063-TV
17997611	Colonial Coatings Corporation	MILFORD	105	96	3560	105-0107-TV
2708911	MILFORD POWER CO, LLC	MILFORD	105	251	7780	105-0071-TV
898011	NAUGATUCK POTW	NAUGATUCK	109	11	1307	109-0059-TV
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	117	48	205	117-0272-TV
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	117	49	205	117-0271-TV
555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	NEW HAVEN	117	53	8822	117-0261-TV
918711	GULF OIL L.P.	NEW HAVEN	117	88	6566	117-0257-TV
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	117	120	1457	117-0263-TV
844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	NEW HAVEN	117	212	7884	117-0270-TV
843211	MAGELLAN TERMINALS HOLDINGS,LP	NEW HAVEN	117	519	7884	117-0262-TV
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	117	551	8087	117-0265-TV
2709611	GREATER NEW HAVEN WPCA	NEW HAVEN	117	960	8281	117-0379-TV

EIS Facility Identifier	Site Name	Town Name	Town ID	Premise ID	Client ID	Title V Permit No.
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	135	117	5244	135-0135-TV
15588611	EVONIK CYRO LLC	WALLINGFORD	189	27	8277	189-0237-TV
658111	Allnex USA, Inc	WALLINGFORD	189	27	8763	189-0136-TV
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	189	76	6012	189-0206-TV
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	189	114	8224	189-0236-TV
14624011	Wallingford Energy LLC	WALLINGFORD	189	114	8691	189-0221-TV
15588211	WATERBURY GENERATION, LLC	WATERBURY	192	5	8468	192-0304-TV
555711	SOMERS THIN STRIP	WATERBURY	192	53	8474	192-0200-TV
17876411	Waterbury Water Pollution Control Facility	WATERBURY	192	65	253	192-0287-TV
17876511	OMI WEST HAVEN /WPCF (S.S.I.)	WEST HAVEN	203	146	2442	203-0091-TV
New London County						
15588311	The Gilman Brothers Company	BOZRAH	13	1	362	013-0010-TV
921211	PFIZER INC	GROTON	70	4	89	070-0192-TV
922211	ELECTRIC BOAT CORP	GROTON	70	5	46	070-0193-TV
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	70	28	800	070-0194-TV
15588411	AMERICAS STYRENICS, LLC	LEDYARD	92	2	8497	092-0027-TV
15588511	Trinseo LLC - Allyn's Point	LEDYARD	92	2	8661	092-0028-TV
8501611	WHEELABRATOR LISBON INC	LISBON	93	14	8786	093-0020-TV
2662011	WestRock	MONTVILLE	107	4	8708	107-0041-TV
552611	MONTVILLE POWER, LLC	MONTVILLE	107	5	7741	107-0043-TV
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	139	105	6101	
16708111	Tunnel Station	PRESTON	150	1	8542	
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	150	12	6032	150-0008-TV
590111	Millstone Power Station	WATERFORD	199	3	8003	199-0038-TV
Tolland County						
642611	UNIV OF CT / STORRS	MANSFIELD	98	15	1138	098-0029-TV
Windham County						
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	34	2	8483	034-0004-TV
2765911	FRITO-LAY INC	KILLINGLY	89	65	7514	089-0066-TV
844711	LAKE ROAD GENERATING CO, LLC	KILLINGLY	89	80	7442	089-0083-TV
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	145	74	8464	145-0050-TV
844811	Sonoco Protective Solutions, Inc	PUTNAM	152	8	5365	152-0034-TV
2766111	Empire Tire Of Edgewater II LLC	STERLING	176	5	8801	176-0006-TV

2.2 Emissions Estimation Procedures

Emissions calculations should be based on the following methods, which are listed here in order of CT DEEP/EPA preference:

1) Continuous Emissions Monitoring Systems (CEMs) and Predictive Emissions Monitoring Systems (PEMs) that are required by statute, regulation, or Permit or Order condition. Emissions data generated by these systems shall serve as the basis for emissions reported in EMIT;
2) Reference method emissions testing that has been deemed by CT DEEP to be representative of current and normal operating conditions;
3) A facility-specific emissions factor that has either been approved by CT DEEP or is based on a material balance with supporting documentation provided to CT DEEP;
4) EPA-published emissions factors where available. Some of these factors are provided automatically in EMIT from WebFire based on SCCs;
5) Emissions factors from other industry and trade groups based on sound science. These should be discussed with CT DEEP prior to use;
6) Best engineering judgement.

Sites are allowed to report a rule effectiveness value for each source and pollutant when the emissions are controlled. EMIT automatically uses this rule effectiveness value to calculate emissions, unless the emissions are based upon CEM systems, the EPA tank model, or an after-control emissions factor.

Summer seasonal adjustments are included in the emissions estimates for applicable point source categories. The operating schedule for each material (SCC level), the seasonal rate of operation for the summer, and the days per week are used to determine daily emissions.

The following general equation was used to account for seasonal adjustments for point sources:

$$E_s = E_a * \frac{T_s}{D_s * W_s} * [1 - (Eff * Cap * Rule)]$$

Equation I

Where:

E_s = seasonally adjusted emissions in pounds per day
E_a = annual uncontrolled emissions of VOC, NO_X, or CO in pounds per year
T_s = throughput for Ozone as a fraction of total throughput
D_s = days of operation per week
W_s = weeks of ozone or CO season in weeks per year
Eff = control efficiency as a fraction (i.e., Percent / 100)
Cap = capture efficiency as a fraction (i.e., Percent / 100)
$Rule$ = rule effectiveness as a fraction (i.e., Percent / 100)

See Appendix B for sample calculations of annual and seasonal adjustments, for several common source types.

2.3 Emissions Summary Tables

For the 2017 PEI, Connecticut is submitting all facilities that reported their actual 2017 emissions. The following tables were prepared to display the emissions data:

Table C-1	Annual Emissions of Point Sources
Table C-2	2017 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions
Table C-3	Summer Day Emissions of Point Sources
Table C-4	List of Source Classification Codes and Respective EMIT Default Emission Factors
Table C-5	Facility Level of 2017 Connecticut Point Source Inventory

Table C-2 represents the supplemented point inventory based on the EPA 2017 Toxic Release Inventory data in the 2017 National Emissions Inventory that was primarily used to obtain a more accurate point lead emission estimate.

2.4 Point Source Quality Control Procedures

To ensure a high-quality point source inventory is created, point source emissions data must be regularly updated in an accurate manner. Emissions data is reported annually by verified site editors using CT DEEP's EMIT system and is then reviewed for accuracy and verified by CT DEEP staff prior to its submission to EPA.

See Appendix A.0 for the developmental history of quality control procedures in Connecticut.

2.4.1 Data Entry

EMIT has a number of required data fields that must be entered in by the site editor. To ensure there is no missing data for a site, site editors are unable to save and submit their emissions unless all required fields have been completed. In addition, there are a number of EMIT validation checks to ensure that the value entered into each field is within an acceptable range. Site editors will receive an error message if an entered value falls outside of the range. To support data consistency and quality control, wherever possible, users are provided a dropdown list where they can select from a predefined set of acceptable values. EMIT automatically performs a number of validation checks while sites are completing their emissions statement, prompting editors to provide missing data and correct errant or incongruent data.

Prior to CT DEEP implementing the EMIT system, sites were required to calculate their emissions and to submit their emissions statements on paper. One of the most common errors that occurred during this process was that they miscalculated their emissions. This is no longer an issue because the EMIT system calculates emissions for users at the SCC, source, and site level each time a parameter is updated. The calculation routines used by EMIT have been thoroughly tested and shown to be correct and, together with EMIT's validation checks, help to minimize errors formerly caused by paper submission.

In addition, when sites attempt to submit their emissions statements, EMIT performs another series of quality assurance (QA) checks. Examples of validation rules that must be satisfied before a site can submit an emissions statement are as follows:

- The sum of all photochemically reactive VOC HAPs cannot exceed total VOC emissions.
- The PM_{10} primary emissions cannot be less than the sum of the PM_{10} filterable and PM condensable emissions.
- The $PM_{2.5}$ primary emissions cannot be less than the sum of the $PM_{2.5}$ filterable and PM condensable emissions.
- The PM_{10} primary emissions cannot be less than the $PM_{2.5}$ primary emissions.
- Typical summer day activity was greater than the annual activity.

- The annual activity was zero and the annual emissions were greater than zero.
- The summer day activity was zero and the summer day emissions were greater than zero.
- The seasonal activity percentage breakdown must equal 100 percent.
- A source must have at least one SCC associated to it. Emissions are calculated at the SCC level and then aggregated up to the source and finally the site level.

2.4.2 Data Verification

Once emissions statements are submitted by sites, data verification is performed by CT DEEP staff to check for consistency and completeness of the reported data. QA reviews were conducted by staff via ad-hoc queries of submitted 2017 emissions statements. Companies were contacted and given the option to correct or confirm their submitted data if any of the following situations occurred:

- The PM_{10} primary emissions for a process were greater than zero and the $PM_{2.5}$ primary emissions were zero.
- The VOC emissions estimates included reductions due to control equipment, but no such reductions were applied in the estimation of VOC HAP emissions.

The Enforcement Division, through their Pre-Inspection Questionnaire (PIQ) and in-person inspections, verify on-site company records regarding fuel use, solvent use, and production rate data previously submitted in the emissions statement reports.

Efforts are made throughout this process to ensure that no point source is also included in the area source inventory. Although the method varies for different categories, generally, emissions accounted for in the point source inventory must be subtracted from the total emissions estimated for their corresponding area source categories.

After CT DEEP completes its quality control, the point source data is submitted to the EPA Emissions Information System (EIS) where EPA applies its own checks. In some cases, the action plan requires a response or re-submittal by emissions reporters. No records tagged by EPA review required corrections or re-submittals for this reporting year.

2.4.3 Additional Quality Control Procedures

In addition to being submitted for the PEI, point source inventory data is routinely used by various groups in the CT DEEP Bureau of Air Management.

For example:

- By the permitting group to assess permit processing fees
- By the modeling group for ambient impact analysis of new point sources
- By the administrative enforcement group for inspections, state orders, and notices of violation
- By the business office for Title V annual emissions fees

As errors are detected by any of these groups, the appropriate corrections are made in the point source inventory.

The last aspect of quality control involves internal measures used by point source inventory personnel. Reasonableness checks are made on important variables.

Section 2 References

12. RCSA § 22a-174-33. 2018. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/ Title_22aSubtitle_22a-174Section_22a-174-33/.

Section 3 Mobile Sources

Introduction

This section documents the procedures used to estimate emissions from mobile sources active in Connecticut during the 2017 calendar year. Mobile sources are comprised of two main groups: on-road mobile sources and non-road mobile sources.

On-road mobile sources are motor vehicles (e.g. automobiles, buses, and trucks) that travel on local roads and highways. A motor vehicle is defined in 40 CFR § 51.50 as "any self-propelled vehicle used to carry people or property on a street or highway".[11] Emissions from on-road vehicles are the result of several processes, including the combustion of fuel while vehicles are starting, idling, or moving; the evaporation of fuel from the fuel system and during refueling; as well as from the wearing of brakes and tires.

Non-road mobile sources are comprised of non-road engines and non-road vehicles, which are respectively defined in 40 CFR § 51.50 as "an internal combustion engine (including fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, or that is not affected by sections 111 or 202 of the Clean Air Act" and "a vehicle that is run by a non-road engine and that is not a motor vehicle or a vehicle used solely for competition".[12] These sources include vehicles, engines, and equipment used for construction, agriculture, recreation, and many other purposes. The equipment must either move under its own power or be capable of being moved from site to site. Emissions from non-road vehicles come from both exhaust and non-exhaust processes, including the combustion of fuel while vehicles are starting, idling, or moving, as well as from the evaporation of fuel from the fuel system and during refueling.

The EPA also develops and maintains approaches for estimating emissions from aircraft, commercial marine vessels, and locomotives which are documented as part of the NEI program; these source categories are respectively addressed in Subsections 3.3 through 3.5.

The annual emissions for on-road and non-road mobile sources can be found on Table 3-1 and Table 3-2, respectively. Emissions for a typical high ozone summer day can be found on Table 3-3 and Table 3-4.

[11] 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50
[12] 40 CFR § 51.50.

Table 3-1: Annual 2017 On-Road [13] Emissions Summary by County

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	3,408	4,360	37,823	341	84	24	207	0
Hartford	3,382	4,344	38,575	336	84	25	218	0
Litchfield	809	788	7,708	51	14	4	33	0
Middlesex	699	978	8,153	63	17	5	48	0
New Haven	3,055	4,067	34,432	305	77	23	201	0
New London	1,077	1,503	12,109	99	26	8	74	0
Tolland	590	791	6,396	55	15	4	38	0
Windham	576	689	6,168	66	15	4	35	0
Connecticut	**13,596**	**17,520**	**151,363**	**1,317**	**331**	**97**	**856**	**0**

Table 3-2: 2017 Annual Non-Road Emissions in Connecticut by County

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	2,645	2,876	39,341	285	268	5	5	0.2545
Hartford	1,635	1,936	26,019	187	177	46	3	0.2963
Litchfield	840	491	8,027	55	52	1	1	0.0524
Middlesex	544	541	5,914	45	42	1	1	0.0493
New Haven	1,600	2,349	23,116	183	173	9	3	0.2119
New London	884	1,767	7,576	90	85	4	2	0.1082
Tolland	252	258	3,060	27	26	1	0	0.0764
Windham	348	332	3,392	34	32	1	1	0.1136
Connecticut	**8,748**	**10,549**	**116,444**	**906**	**855**	**67**	**16**	**2.4262**

Note: EPA estimated 2,527 lb/yr (1.26 Tons per Year) of statewide inflight lead emissions (SCC 22-75-087-000), which when added to the above statewide total of lead emitted below the boundary layer, results in an estimated statewide total of 4,841 lb/yr (2.42 Tons per Year) for 2017 lead emissions.

[13] On-road refueling emissions are included in the Area Sources summary and are therefore excluded from on-road emissions.

Table 3-3: 2017 Summer Day On-Road Emissions Summary by County

County	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	19,161	23,699	239,739
Hartford	19,077	23,778	246,789
Litchfield	4,408	4,231	43,547
Middlesex	3,924	5,306	52,697
New Haven	17,004	21,992	219,578
New London	6,208	8,265	78,238
Tolland	3,317	4,314	40,153
Windham	3,272	3,828	39,096
Connecticut	76,372	95,412	959,838

Table 3-4: 2017 Summer Day Non-Road Emissions by County

County	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	18,545	19,353	311,715
Hartford	11,402	12,946	198,189
Litchfield	5,229	3,286	58,670
Middlesex	3,725	3,413	42,610
New Haven	11,026	15,330	169,856
New London	6,109	10,474	50,754
Tolland	1,777	1,802	22,545
Windham	2,480	2,349	25,013
Connecticut	**60,292**	**68,954**	**879,353**

3.0.1 Mobile Source Models

As directed by the *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations*, mobile source emissions are estimated by using the latest recommended mobile source model, the MOtor Vehicle Emission Simulator (MOVES).[14] The original version of MOVES, MOVES2010, replaced the previous EPA on-road simulator, MOBILE6.2. While MOBILE6.2 is now obsolete, some data infrastructure is still aligned with input into MOBILE6.2. For that reason, the EPA has released tools to convert data from the MOBILE6.2 format to MOVES format; this will be further discussed in Part 3.1.1. MOVES2014 was released in October 2014 and further improved mobile source modeling by integrating the latest EPA non-road model, NONROAD2008, into MOVES. This now allows all mobile source modeling, whether it is on-road or non-road, to be performed in a single simulator. MOVES2014b was updated after the original August 2018 release. The most recent version of MOVES2014b (default database movesdb20181022 - application master code version MOVES2014b-20181203) was used. This release contains improvements in modeling non-road sources. Due to the improvements in the non-road sector, the modeling efforts in this PEI have been re-run in MOVES2014b to determine a more accurate estimate of emissions in Connecticut.

The inputs for MOVES are to be developed in accordance with the latest MOVES guidance. The available guidance, *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity* (MOVES Technical Guidance), focuses on determining the appropriate inputs for MOVES and how the simulation should be run to develop representative emissions estimates for vehicles.[15] The MOVES Technical Guidance describes when the default MOVES inputs are appropriate or when to consider providing locally-specific MOVES inputs.

3.0.2 Meteorological Inputs for Mobile Sources

The meteorological inputs used in MOVES to model annual on-road and non-road mobile sources are consistent with the meteorological inputs used to create Connecticut's Motor Vehicle Emissions Budgets (MVEBs) for annual NO_X and $PM_{2.5}$ in accordance with the 1997 annual and 2006 24-hr $PM_{2.5}$ NAAQS SIP.

The meteorological inputs used in MOVES to model summer day on-road and non-road mobile sources are consistent with the meteorological inputs used to create Connecticut's MVEBs for summer day NO_X and VOCs in accordance with the 2008 Ozone SIPs for Southwest Connecticut and for Greater Connecticut.

3.0.2.1 Effect of Temperature and Humidity on Ozone Formation

The only two meteorological inputs MOVES requires are temperature and humidity due to their relationship with ozone-forming pollutants. Hot, sunny days are tightly correlated with increased production of ground-level ozone from NO_X and VOCs in several ways:[16]

1) Hot weather can create stagnant air conditions which causes ozone and its precursors to accumulate;
2) Sunlight gives energy to the photochemical reaction converting NO_X and VOCs into ozone;
3) Higher temperatures can lead to increased evaporation of VOC emissions;
4) Humidity is important for estimating the correct NO_X correction factor.

[14] U.S. Environmental Protection Agency. 2017. "Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations". Pg 27.
[15] U.S. Environmental Protection Agency. 2018. "MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity". https://nepis.epa.gov/Exe/ZyPDF.cgi/P100V7EY.PDF?Dockey=P100V7EY.PDF
[16] National Weather Service. Clearing the Air on Weather and Air Quality. https://www.weather.gov/wrn/summer-article-clearing-the-air.

Therefore, local temperature and humidity data should be used to accurately model emissions in MOVES. These meteorological inputs are specified for zones (counties or non-attainment areas), months, and hours.

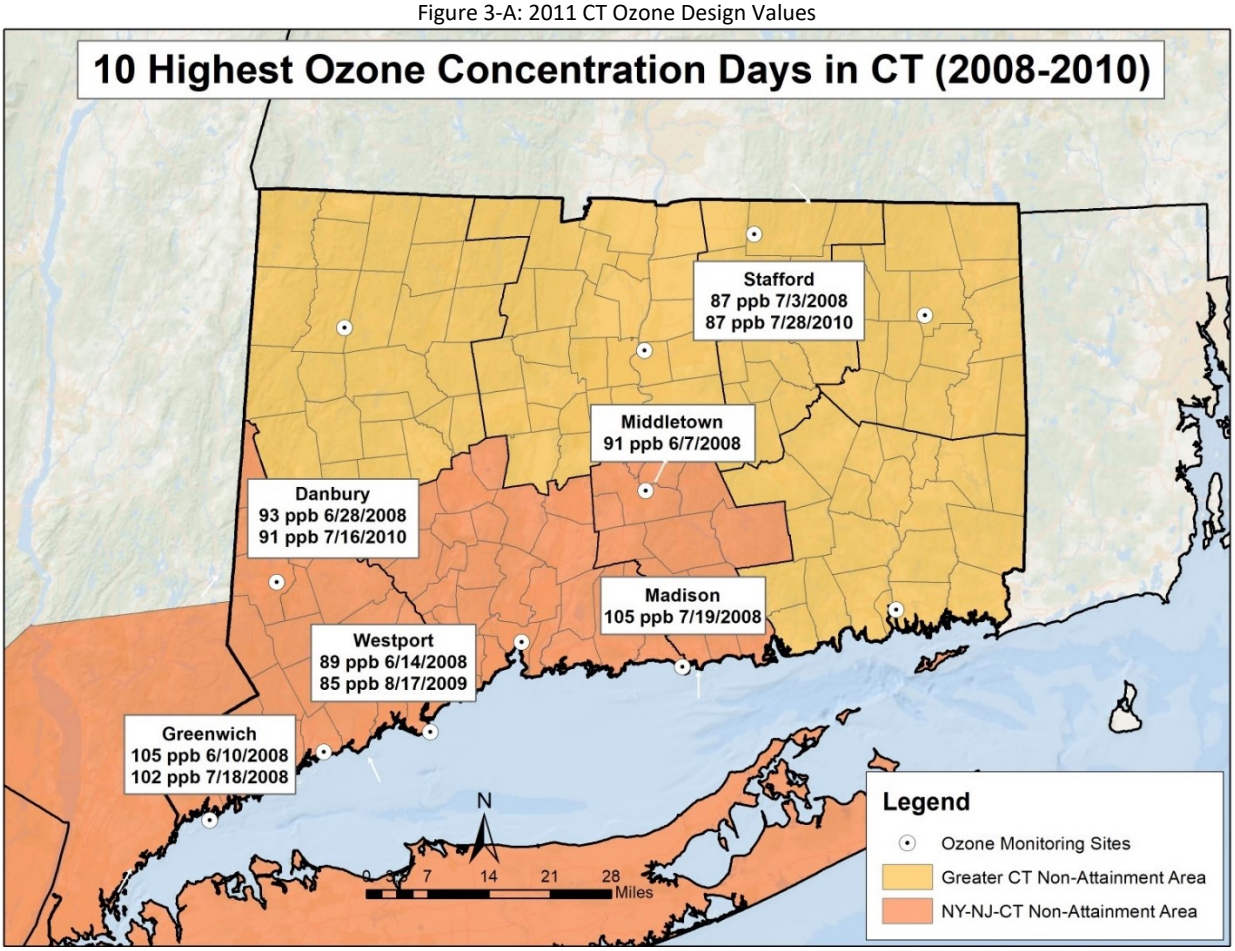
3.0.2.2 Annual Temperature Determination

MOVES meteorological inputs for the Mid-Atlantic Regional Air Management Association (MARAMA) annual modeling effort used the National Mobile Inventory Model (NMIM) National County Database (version NCD20090531) for 2007 analyses.[17] The temperature and humidity used as an input for this 2017 PEI are consistent with the 2007 NCD20090531 data. The annual MOVES input data for each county in Connecticut can be found in Table E-1 through Table E-8.

3.0.2.3 Ozone Summer Day Design Temperature

Temperature inputs for a typical high ozone day for Connecticut's non-attainment areas were calculated by first determining the ten highest 8-hr ozone concentrations that occurred in the entire state on unique days in the months of June through August during the three-year period (2008-2010) preceding the base year (2011). These values were obtained from the Connecticut Department of Energy and Environmental Protection Annual Summary Information for Ozone Website as shown in Figure 3-A below.

Figure 3-A: 2011 CT Ozone Design Values



For each of the ten highest ozone days in Figure 3-A, the maximum and minimum temperatures that occurred each day were obtained from the National Oceanic and Atmospheric Administration (NOAA) Local Climatological Data Publication

[17] Yang, H. 2012. Development of MANE-VU Onroad Mobile Source Emissions for 2007 and 2020 using MOVES. Northeast States for Coordinated Air Use Management (NESCAUM). https://www.nescaum.org/documents/nescaum-2007-2020-moves-modeling-tsd-20120118.pdf.

Website for Bradley International Airport in Windsor Locks for the Greater Connecticut ozone non-attainment area and Igor I. Sikorsky Memorial Airport in Bridgeport for the Connecticut portion of the NY-NJ-CT ozone non-attainment area.

Table 3-5: High and Low Temperatures for the Ten Highest Ozone Concentration Days [18]

Date	Greater CT Bradley International Airport		CT Portion of NY-NJ-CT Igor I. Sikorsky Airport	
	Max. Temp. [°F]	Min. Temp. [°F]	Max. Temp. [°F]	Min. Temp. [°F]
June 7, 2008	93	60	86	61
June 10, 2008	98	69	96	70
June 14, 2008	88	58	84	65
June 28, 2008	90	65	86	67
July 3, 2008	90	63	87	67
July 18, 2008	93	65	92	72
July 19, 2008	94	67	92	77
August 17, 2009	94	69	91	73
July 16, 2010	93	70	87	73
July 28, 2010	90	62	87	69
Average	**92.3**	**65.8**	**89.8**	**69.4**

The calculated average maximum and minimum temperatures for each nonattainment area were input into EPA's Meteorological Data Converter MOBILE6 tool to produce a 24-hour temperature profile for a typical high ozone day in Connecticut for each non-attainment area.

Similarly, hour-by-hour humidity profiles were obtained from the NOAA Quality Controlled Local Climatological Data Website for the same locations and days listed in Table 3-5. An average humidity value was then calculated for each hour of the day, to produce a 24-hour humidity profile for a typical high ozone day in Connecticut for each non-attainment area. These profiles can be seen in Table 3-6 and Table 3-7 on the following page.

The ozone summer day temperature and humidity profiles are input into MOVES to obtain summer day emissions estimates for each Connecticut county.

The MOVES formatted input data for the summer day run are shown for the Connecticut portion of the NY-NJ-CT Ozone Non-Attainment area in Table E-9 and for the Greater Connecticut Ozone Non-Attainment area in Table E-10.

[18] These values were originally collected from the NOAA data on May 4, 2016 and may have been updated.

Table 3-6: Hour by Hour Humidity Values for Ten Highest Ozone Days at Bradley Airport[19]

Date	Relative Humidity [%] Value by Hour of Day																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
June 7, 2008	93	93	93	93	93	93	93	90	87	76	67	63	59	56	50	50	49	59	61	67	63	77	74	82
June 10, 2008	87	87	90	93	93	87	79	69	59	52	46	42	35	33	33	35	40	45	50	53	57	64	84	87
June 14, 2008	73	75	78	84	87	78	73	68	62	58	56	53	51	48	76	85	76	79	84	87	84	87	90	90
June 28, 2008	90	87	90	90	90	84	79	71	69	61	57	51	47	45	45	48	61	57	63	67	71	74	76	82
July 3, 2008	76	81	81	81	81	68	61	58	56	47	45	40	36	39	38	43	81	79	81	79	87	90	87	84
July 18, 2008	81	87	84	84	87	81	71	69	60	57	53	50	47	44	44	44	48	59	60	60	58	71	74	76
July 19, 2008	84	81	87	84	87	84	74	71	69	63	57	50	44	38	37	44	46	48	57	58	67	74	76	82
August 17, 2009	90	93	93	93	93	93	90	79	67	61	57	52	47	35	32	34	37	44	65	74	79	79	85	87
July 16, 2010	90	93	90	90	93	90	87	79	72	70	63	57	50	49	56	59	61	65	84	87	87	87	85	85
July 28, 2010	78	84	90	87	87	84	71	62	58	53	48	46	47	50	47	47	55	61	67	72	77	79	82	82
Average	**84**	**86**	**88**	**88**	**89**	**84**	**78**	**72**	**66**	**60**	**55**	**50**	**46**	**44**	**46**	**49**	**55**	**60**	**67**	**70**	**73**	**78**	**81**	**84**

Table 3-7: Hour by Hour Humidity Values for Ten Highest Ozone Days at Sikorsky Airport[16]

Date	Relative Humidity [%] Value by Hour of Day																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
June 7, 2008	84	87	87	90	90	93	93	81	81	76	69	64	60	58	63	71	59	65	67	69	69	71	71	71
June 10, 2008	76	76	79	81	81	79	69	67	59	57	50	44	35	45	42	44	48	48	51	62	62	74	71	79
June 14, 2008	76	81	78	81	81	78	78	71	64	58	60	53	53	62	65	69	69	62	67	84	84	87	87	82
June 28, 2008	81	81	84	84	87	87	84	76	71	67	60	53	55	63	67	65	60	62	67	71	76	76	82	87
July 3, 2008	71	71	68	73	76	71	66	64	62	58	52	49	43	46	46	49	53	52	58	64	64	66	74	74
July 18, 2008	79	79	76	82	79	76	71	69	67	62	58	53	55	47	44	44	44	61	63	70	72	74	79	79
July 19, 2008	79	79	79	79	85	79	74	69	69	65	57	50	52	44	47	54	59	59	67	74	79	79	82	82
August 17, 2009	85	85	90	90	90	90	87	82	77	79	72	63	59	52	52	45	55	65	67	74	77	77	85	85
July 16, 2010	87	90	87	90	90	90	87	85	77	77	67	70	72	70	70	68	67	70	77	82	79	79	79	85
July 28, 2010	79	76	79	76	76	71	69	67	60	58	55	55	57	55	63	65	69	72	74	79	82	82	85	85
Average	**80**	**81**	**81**	**83**	**84**	**81**	**78**	**73**	**69**	**66**	**60**	**55**	**54**	**54**	**56**	**57**	**58**	**62**	**66**	**73**	**74**	**77**	**80**	**81**

[19] These values were originally collected from the NOAA data on May 4, 2016 and may have been updated.

3.1 On-Road Mobile Sources

To estimate on-road emissions in 2017, CT DEEP ran MOVES2014b for all eight Connecticut counties in inventory-mode using established annual and summer day input data. Vehicles are classified in MOVES according to thirteen source types and five Highway Performance Monitoring System (HPMS) vehicle types, as shown in Table 3-8 below. Part 3.1.1 of this subsection provides an explanation and basis for the input parameters used in MOVES2014b for this inventory.

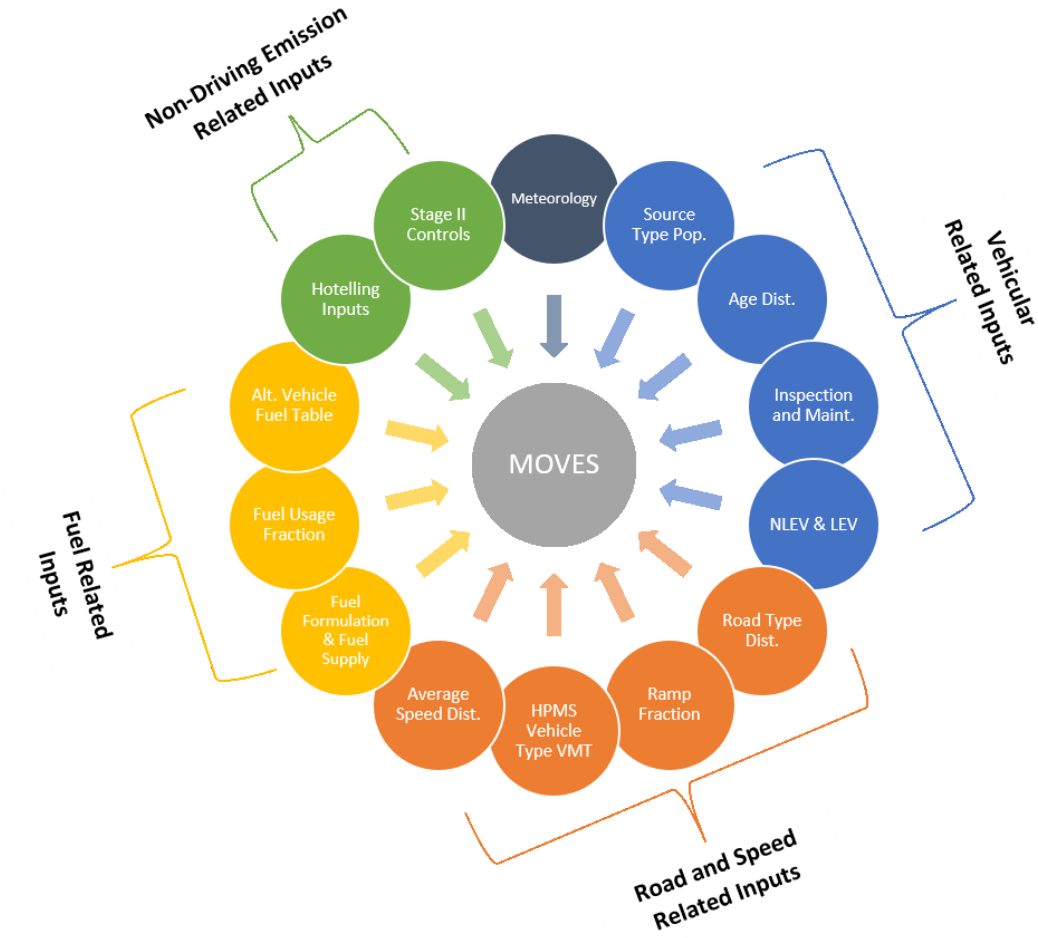
Table 3-8: Source Type and HPMS Vehicle Identification Numbers

Source Type ID	Source Type Description	HPMS Vehicle Type ID	HPMS Vehicle Type Description
11	Motorcycle	10	Motorcycles
21	Passenger Car	25	Light Duty Vehicles– Short and Long Wheelbase
31	Passenger Truck		
32	Light Commercial Truck		
41	Intercity Bus	40	Buses
42	Transit Bus		
43	School Bus		
51	Refuse Truck	50	Single Unit Trucks
52	Single Unit Short-haul Truck		
53	Single Unit Long-haul Truck		
54	Motor Home		
61	Combination Short-haul Truck	60	Combination
62	Combination Long-haul Truck		

3.1.1 MOVES On-Road Inputs

The following subparts provide details for on-road mobile source inputs used in MOVES2014b, as illustrated in Figure 3-B.

Figure 3-B: Visual of MOVES Inputs for On-Road Mobile Sources



These MOVES inputs can be roughly grouped by the following categories in general terms:

- **Vehicle**- This includes the age and type of vehicles, their compliance with Connecticut's inspection and maintenance program, and emissions standards
- **Road and Speed**- This includes the type of roads and ramps, the vehicle miles traveled (by road and vehicle type), and the average speed (by road and vehicle type)
- **Fuel**- This includes fuel properties, fuel use, and alternative fuel capabilities of vehicle fleets
- **Non-Driving Emissions**- This includes emissions from parked trucks and emissions from refueling
- **Meteorology**- This includes temperature and humidity. Note these inputs are discussed in Part 3.0.2.

These inputs are defined in greater detail in the following subparts below, along with details on data sources, steps used to develop locally specific inputs, and in what cases it was appropriate to accept the default MOVES inputs.

3.1.1.1 Source Type Population

The *Source Type Population* is used by MOVES to calculate start and evaporative emissions. Start and evaporative emissions depend more on how many vehicles are parked and started than on how many miles they are driven. In MOVES, start and resting evaporative emissions are related to the population of vehicles in an area.

Local data from an analysis of 2017 Connecticut registration data from IHS, decoded by EPA for the 2017 NEI, was used for: 21 Passenger Car, 31 Passenger Truck, and 32 Light Commercial Truck source types. CT DEEP estimated the 2017 population for the remaining ten source types by extrapolating from the 2011 Connecticut motor vehicle registration data. The 2011 data was used because 2011 was when the most recent CT DEEP decode effort of local motor vehicle registration data was conducted.

Local data from an analysis of July 1, 2017 Connecticut registration data decoded by CT DEEP was used for: 11 Motorcycle, 43 School Bus and 54 Motor Homes source types. In addition, 41 Transit Buses and 42 Intercity Buses population counts were calculated as a total of all non-school bus busses and apportioned based on the ratios from a previous 2011 DEEP vehicle registration decode.

Local data from an analyses of 2017 Connecticut registration data from IHS, decoded by EPA, for the 2017 NEI was not deemed usable for vehicle population by EPA for heavy-duty vehicles. This was due to some redistributions of heavy-duty vehicles that occurred between the 2014 and 2017 versions of IHS provided data. Instead, EPA used vehicle population splits from the 2016v1 NEI modeling platform to apportion heavy-duty VMT by HPMS road type and vehicle types to VMT by HPMS road type and MOVES source types. EPA then used an average miles/vehicle/year to back calculate vehicle population for heavy-duty MOVES source types. These population counts developed by EPA for the 2017 NEI are used in this analysis for 51 Refuse Trucks, 52 Single Unit Short Haul, 53 Single Unit Long Haul, 61 Combination Short Haul, and 62 Combination Long Haul.

Table E-11 summarizes the vehicle population inputs used for the MOVES runs.

3.1.1.2 Age Distribution of Vehicles by Type

The vehicle fleet is further defined by the age of vehicles. For each of the thirteen source types, vehicles are distributed into 31 age groups: one for each of the last thirty model years and a final group for all vehicles older than thirty years (model year of 1987 or earlier).

Local data from an analysis of 2017 Connecticut registration data from IHS, decoded by EPA, for the 2017 NEI was used for: 21 Passenger Car, 31 Passenger Truck, and 32 Light Commercial Truck source types. Because age distribution data was provided on a per county basis, the county level age distribution was used with the county vehicle population counts to obtain a statewide age distribution input.

Local data from an analysis of July 1, 2017 Connecticut registration data decoded by CT DEEP was used for: 11 Motorcycle, 43 School Bus, 54 Motor Homes, 41 Transit Buses, and 42 Intercity Buses. Statewide age distributions were developed directly from the registration data for each source type. Transit and Intercity buses were set to the same age distribution. No age cutoff was applied to these counts so all vehicles over 30 years old are in the 30+ category.

Age distributions developed by EPA, from Connecticut registration data provided by IHS, for use in the 2017 NEI were used for 51 Refuse Trucks, 52 Single Unit Short Haul, 53 Single Unit Long Haul, 61 Combination Short Haul, and 62 Combination Long Haul. Because age distribution data was provided on a per county basis, the county level age distribution was used with the county vehicle population counts to obtain a statewide age distribution input.

Table E-12 summarizes the statewide age distribution input used for the MOVES runs.

3.1.1.3 Inspection and Maintenance Coverage

The *Inspection and Maintenance* (I/M) input reflects the characteristics and SIP requirements of Connecticut's I/M program. MOVES only calculates I/M program benefits for gasoline vehicles, so this subpart is limited to gasoline vehicles.

Connecticut's I/M program requires gasoline vehicles that have a gross vehicle weight rating (GVWR) equal to or less than 10,000 pounds that are at least four years old (grace period) to receive an emissions-test every two years. Vehicles that are greater than 25 years old (model year 1993 or earlier for a 2017 analysis) are exempt. These exemptions are applied using appropriate I/M MOVES inputs. The MOVES I/M Coverage input table was adjusted to reflect the grace period exemption age plus one year to account for the misalignment between model and calendar years (model year 2014 is the latest model year provided an I/M input and model year 1993 is the earliest model year provided an I/M input for a 2017 analysis).

Connecticut's SIP sets a minimum I/M compliance rate of 96% and a maximum waiver rate of 1%. The compliance rate (CR) is defined as "the percentage of vehicles in the fleet covered by the I/M program that completes the I/M program and receive either a certificate of compliance or a waiver" and the waiver rate (WR) is defined as "the percentage of vehicles that fail an initial I/M test and do not pass a retest, but do receive a certificate of compliance."[20] For this inventory analysis, I/M compliance and waiver rates were set to the actual compliance and waiver rates observed in 2017: 98.94% and 0.16%, respectively.[21] These values were used along with the regulatory class coverage adjustments (RCCA), defined as the "percentages of VMT by the various regulatory weight classes within a source type", provided in Appendix A of the MOVES Technical Guidance to calculate a compliance factor (CF) for each I/M program type according to the following equation: [22]

$$CF = CR * (100 - WR) * RCCA * \left(\frac{1}{100} * \frac{1}{100}\right)$$

Equation II: Compliance Factor Equation[23]

Where:

- CF = the I/M program percentage of vehicles input into MOVES for each I/M program type according to the equation (Table 3-9 shows some calculated results).
- CR = the percentage of vehicles in the fleet covered by the I/M program that completed the I/M program and received either a certificate of compliance or a waiver.
- WR = the percentage of vehicles that fail an initial I/M test and do not pass a retest, but do receive a certificate of compliance.
- RCCA = percentages of VMT by the various regulatory weight classes within a source type (Table 3-9 shows these values).

Note: the factional terms $\left(\frac{1}{100} * \frac{1}{100}\right)$ are applied to ensure dimensional consistency.

Connecticut's I/M program applies across the state, so all counties use the same I/M coverage inputs.

[20] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 54-55
[21] de la Torre Klausmeier Consulting. August 2018. Annual Evaluation of Connecticut's Inspection/Maintenance Program 2017 Final Report. Pgs 28-29. https://portal.ct.gov/-/media/DEEP/air/mobile/Emissions-Testing/biennialimreport20162017completepdf.pdf
[22] U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 69-70.
[23] U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 54-55

Passenger Cars (sourceTypeID - 21)

For 1995 & Older: Regulatory class adjustment factor is 100% for ASM2525 (Test Standard ID: 24) and gas cap test (Test Standard ID: 41) since all cars in this source type are under 8,500 lbs.
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(100\%) \frac{1}{100} * \frac{1}{100} = 98.78\%$$

For 1996 & newer: Regulatory class adjustment factor is 100% for OBD testing (Test Standard IDs: 51, 43) since all cars in this source type are under 8,500 lbs.
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(100\%) \frac{1}{100} * \frac{1}{100} = 98.78\%$$

Passenger Trucks (sourceTypeID - 31)

For 1995 & Older: Regulatory Class Adjustment for ASM2525 (Test Standard ID: 24) is 98% to cover the vehicles in this source type under 8,500 lbs.
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(98\%) \frac{1}{100} * \frac{1}{100} = 96.81\%$$

For 1995 & Older: Because vehicles in this source type over 8,500 lbs get a PCTSI test (Test Standard ID: 12), and MOVES can't assign two test standards to one pollutant/sourcetype group, this part of the I/M program is not covered in these inputs. They could be included if a separate MOVES run was conducted and subtracting the difference. The emissions impact of not including this small portion of the I/M program in the MOVES input is very minimal.

For 1995 & Older: Regulatory Class Adjustment for Gas Cap Test (Test Standard ID: 41) is 100% since all vehicles in this source type up to 10,000 lbs get a gas cap test.
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(100\%) \frac{1}{100} * \frac{1}{100} = 98.78\%$$

For 1996 & newer: Regulatory Class Adjustment is 100% since all vehicles in this source type up to 10,000 lbs get an OBD test (51, 43).
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(100\%) \frac{1}{100} * \frac{1}{100} = 98.78\%$$

Light Commercial Trucks (sourceTypeID - 32)

For 1995 & Older: Regulatory Class Adjustment for ASM2525 (Test Standard ID: 24) is 92% to cover the vehicles in this source type under 8,500 lbs.
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(92\%) \frac{1}{100} * \frac{1}{100} = 90.88\%$$

For 1995 & Older: Because vehicles in this source type over 8,500 lbs get a PCTSI test (Test Standard ID: 12), and MOVES can't assign two test standards to one pollutant/sourcetype group, this part of the I/M program is not covered in these inputs. They could be included if a separate MOVES run was conducted and subtracting the

difference. The emissions impact of not including this small portion of the I/M program in the MOVES input is very minimal.

For 1995 & Older: Regulatory Class Adjustment for Gas Cap Test (Test Standard ID: 41) is 100% since all vehicles in this source type up to 10,000 lbs get a gas cap test.
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(100\%)\frac{1}{100}*\frac{1}{100}= 98.78\%$$

For 1996 & newer: Regulatory Class Adjustment is 100% since all vehicles in this source type up to 10,000 lbs get an OBD test (51, 43).
Compliance Factor Calculation:

$$CF= (98.94\%)*(100-0.16)\%*(100\%)\frac{1}{100}*\frac{1}{100}= 98.78\%$$

The Connecticut specific I/M program input developed for MOVES2014b includes the entire CT gasoline I/M testing program with the exception of 1995 and older passenger and light commercial trucks that are over 8,500 lbs, which weren't included due to limitations of MOVES and the minor impact on emissions.

Table 3-9: Summary of Regulatory Class Coverage Adjustments and Compliance Factors for Model Year 1995 & Older Vehicles Tested via ASM2525

SourceTypeID	Source Type Name	RCCA[24]	CF
21	Passenger Car	100%	98.78%
31	Passenger Truck	98%	96.81%
32	Light Commercial Truck	92%	90.88%

3.1.1.4 NLEV and LEV Databases

The National Low Emission Vehicle (NLEV) and California Low Emission Vehicle (LEV) standards were adopted by individual states to reduce the emissions from vehicles. These standards alter the default MOVES values for certain model years, so the EPA provides states with two databases to adjust the default values accordingly.

The NLEV Program was the result of an agreement between the EPA, states in the Ozone Transport Commission (OTC), and auto manufacturers to introduce new emission standards in those states beginning with the 1999 model year before implementing them in the rest of the country beginning with the 2001 model year. The default MOVES database does not include the effects of the early program before the national implementation. To account for this, the EPA provides the NLEV database to states in the OTC that simulates the effects of the program for model years 1999 and 2000. Because Connecticut adopted the NLEV program for the 1999 model year, this database was imported to adjust the default MOVES values to represent the effects of the NLEV standards.

For the states that have adopted the California LEV program regulations, the EPA provides the California LEV database. The effects of these LEV standards are not included in the default MOVES emissions database. Connecticut implemented the California LEV standards in 2008, so CT DEEP modified the California LEV database to reflect the 2008 implementation

[24] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 69.

year in accordance with the EPA document *Instructions for Using LEV and NLEV Inputs for MOVES2014* to create a Connecticut specific input.[25]

3.1.1.5 Road Type Distribution

The *Road Type Distribution* input represents the percent of VMT on each of the five road types used in MOVES, detailed in Table 3-10. MOVES requires this distribution for each vehicle type.

Table 3-10: MOVES Road Types

ID	Name	Description
1	Off-Network	All locations where the predominant activity is vehicle starts, parking and idling
2	Rural Restricted	Rural highways that can only be accessed by an on-ramp
3	Rural Unrestricted Access	All other rural roads (arterials, connectors, and local streets)
4	Urban Restricted Access	Urban highways that can only be accessed by an on-ramp
5	Urban Unrestricted Access	All other urban roads (arterials, connectors, and local streets)

These inputs are created by utilizing a statewide EPA default VMT mix of VMT fraction by the MOBILE6.2 vehicle types and locally collected statewide HPMS vehicle mix containing the fraction of the CT DOT vehicle type counts on each roadway type by functional classification. CT DOT and CT DEEP created a VMT pre-processor, called the CT DOT PERson FORcasting Model (PERFORM), that would reconcile the two VMT mixes by properly mapping the sixteen MOBILE6.2 vehicle types to the thirteen MOVES source types. The resultant VMT mix of HPMS road type, detailed in Table 3-11, by MOVES vehicle type fraction is then input into EPA's MOVES VMT converter to calculate and format VMT by source type and road type for input into MOVES.

Table 3-11: HPMS Road Types

Rural Road ID	Urban Road ID	Road Description
11	23	Interstate
12	25	Other Freeways and Expressways
13	27	Other Principal Arterial
15	29	Minor Arterial
17	30	Major Collector
19	31	Minor Collector
21	33	Local

The following is a list of tables in Appendix E that provide context for the *Road Type Distribution* input. These tables also provide context for the *Ramp Fraction*, *HPMS Vehicle Type VMT*, and *Average Speed Distribution* inputs, which are discussed in the following subparts.

[25] U.S. Environmental Protection Agency.2014. Instructions for Using LEV and NLEV Inputs for MOVES2014. https://nepis.epa.gov/Exe/ZyPDF.cgi/P100KUFA.PDF?Dockey=P100KUFA.PDF.

Table E-13	HPMS RURAL TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010
Table E-14	HPMS URBAN TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010
Table E-15	MOVES Converter Input for 2017 Fraction of VMT on HPMS Road Type by MOBILE6.2 16 Vehicle Type
Table E-16	CT MOBILE6 Hour Input File
Table E-17	Average 2017 Daily HPMS VMT (miles per day) for the 14 2010+ FHWA HPMS Road Types
Table E-18	2017 HPMSBaseYearVMT Annual Vehicle Miles Traveled (VMT)
Table E-19	2017 Summer Weekday Vehicle Miles Traveled (VMT)

3.1.1.6 Ramp Fraction

Ramp Fraction indicates the percent of vehicle-hours traveled that occurs on ramps for rural restricted access roadways (Road Type ID = 2) and urban restricted access roadways (Road Type ID = 4).

These inputs are generated starting with PERFORM using forecasted VMT figures by roadway type. The county level expressway and ramp VMT are divided into urban and rural designations and input into a MOVES ramp fraction pre-processor along with average speeds for urban and rural expressways and ramps. CT DOT designed this pre-processor to calculate the percentage of urban and rural expressway Vehicle Hours of Travel that occur on ramps within each county.

3.1.1.7 HPMS Vehicle Type VMT

The *HPMS Vehicle Type VMT* (HPMSvType) input represents annual vehicle-miles of travel in each county in Connecticut for each of the five HPMS vehicle types. The annual input for each county input is developed from the VMT fractions for each month, day, and hour. These fractions are respectively defined by:

- the fraction of total annual VMT that occur in a given month;
- the fraction of total monthly VMT that occur on weekdays versus weekends;
- the fraction of total daily VMT that occur in a given hour.

County-level VMT totals by HPMS road type are calculated in the CT DOT PERFORM statewide travel demand model. These VMT totals are based on 2015 HPMS VMT factors that have been derived from HPMS VMT figures categorized by HPMS urban area road types. The VMT mix by HPMS road type and MOVES source type, outlined in the *Road Type Distribution* subpart above, County VMT by road type, and locally collected fraction of VMT by hour are input into the EPA MOVES VMT converter to calculate and format daily VMT figures. These daily VMT figures from PERFORM, which utilize calculated seasonal VMT factors and default weekend day adjustment factors, are then input into EPA's MOVES Annual Average Daily VMT converter to develop the annual *HPMS Vehicle Type VMT* input for each county.

3.1.1.8 Average Speed Distribution

The *Average Speed Distribution* input is the assignment of vehicle-hours traveled into sixteen unique speed bins in MOVES. PERFORM is used to develop these inputs, but because PERFORM was built using the data format of MOBILE6.2, an EPA converter tool must be used to convert the PERFORM output data into a MOVES input.

Unlike MOVES, MOBILE6.2 uses only fourteen speed bins. As seen in Table 3-12, the first thirteen speed bins in each model are equivalent, whereas MOBILE6.2 speed bin 14 is split into MOVES speed bins 14, 15, and 16.

MOVES requires this information for every combination of vehicle source type, road type, and hour of the day. It is also separated by season to allow for summer, winter, and annual average adjustment factors.

Table 3-12: MOBILE6.2 and MOVES Speed Bins

Speed Bin Number		Speed [mph]		Abbr. Speed Bin Name
MOBILE6.2	MOVES	Min.	Max.	
1	1	0	2.5	2.5
2	2	2.5	7.5	5
3	3	7.5	12.5	10
4	4	12.5	17.5	15
5	5	17.5	22.5	20
6	6	22.5	27.5	25
7	7	27.5	32.5	30
8	8	32.5	37.5	35
9	9	37.5	42.5	40
10	10	42.5	47.5	45
11	11	47.5	52.5	50
12	12	52.5	57.5	55
13	13	57.5	62.5	60
14	14	62.5	67.5	65
	15	67.5	72.5	70
	16	≥72.5	-	75

3.1.1.9 Fuel Formulation and Fuel Supply

The *Fuel Formulation Table* defines properties, such as RVP, sulfur level, ethanol volume, etc., for each fuel. The *Fuel Supply Table* identifies the fuel formulations used in a region and the respective market share of each formulation.

The MOVES2014b default values are used to define both the fuel formulation and fuel supply values for the 2017 PEI analysis since a full local fuel property study for Connecticut was not available, as recommended in Section 4.9.1 of the MOVES Technical Guidance.[26]

3.1.1.10 Fuel Usage Fraction

The default fuel usage fractions within MOVES are used for all fuel types except E-85 fuel.

Section 4.9.2 of the MOVES Technical Guidance instructs the user to specify the fraction of E-85 used compared to conventional gasoline in E-85 capable vehicles, where a fraction of zero indicates that conventional gasoline is used 100% of the time.[27] According to the USDOE Alternative Fueling Station Locator, there are only three E-85 stations located in Connecticut: A Navy exchange E-85 gas station and a single public E-85 gas station in New London County; and a single public E-85 gas station in Fairfield County. It is safe to conservatively assume that E-85 usage in E-85 passenger vehicles is minimal at this time.

[26] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 46.
[27] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 49.

3.1.1.11 Alternative Vehicle Fuel Table

The *Alternative Vehicle Fuel Table* (AVFT) is used to define the vehicle fleet in terms of which fuels a vehicle type is capable of utilizing. Fractional values, totaling one, are specified for each vehicle type by model year. For example, if half of model year 2017 transit buses are capable of using CNG and the other half are capable of using diesel, then the AVFT would list values of 0.5 under CNG and diesel for model year 2017 transit buses.

The purpose of the AVFT is only to define the vehicle fleet by capability, not by actual fuel usage; that is the purpose of the Fuel Usage Fraction Table. The values in the AVFT should only be modified from the default values if local data is available. Connecticut does not have local data for vehicle fleet capability, so the default data in MOVES2014b is used for each county.

3.1.1.12 Hotelling Inputs

The MOVES input, *hotelling*, refers to the time spent idiling in a diesel long-haul combination truck (Source Type ID= 62) during federally- mandated rest periods for long-haul trips. Hotelling modes include extended idle, diesel auxiliary power unit use, battery power, and engine-off.[28] MOVES hotelling inputs are used to import total hotelling hours by hour of day, day type, month, and vehicle model year.

The MOVES hotelling hours input for the 2017 PEI were based on hotelling data developed by the EPA for the 2017 NEI, which is more representative for Connecticut than the default hotelling hours calculation described in the MOVES MOVES2014b Technical Guidance document. The default hotelling hours data would be calculated only for rural restricted roadways in each county, whereas both rural and urban roadways are accounted for in the 2017 NEI. For instance, hotelling is known to occur in Fairfield County; yet MOVES2014 default estimates would result in zero hotelling hours within Fairfield County because there are no rural restricted roads in the county. The hoteling hour estimate values from the 2017 NEI are more representative and therefore are preferred. For a detailed explanation of the basis for the 2017 NEI hotelling inputs, please refer to Section 6.8.4.5 of the 2017 NEI TSD.[29]

3.1.1.13 Stage II Controls

The refueling emissions information and adjustments made for Stage II refueling and controls in Connecticut are discussed in Part 4.2.4 of Section 4.

3.1.2 MOVES On-Road Data

Information regarding MOVES2014b run specifications, input databases, and output databases used to calculate 2017 on-road mobile source emission estimates are available upon request. This is a large download (150 MB), and the database files require the supporting MOVES database application (currently MariaDB, formerly MySQL). Send an email to DEEP.BAM.TS@ct.gov using a subject line of "MOVES 2017 ONROAD File Request". Copying Richard.Rodrigue@ct.gov and Steven.Potter@ct.gov may improve the response time for your request. Instructions for accessing the files via secure file transport website (https://sft.ct.gov/) will be provided after we put the files on the secure file transport website.

These databases and files provide additional details beyond that provided in this document.

3.1.3 On-Road Mobile Sources Emissions Results

The annual and summer day emission estimates for on-road mobile sources were previously summarized by county in Table 3-1 and Table 3-3, respectively. The estimates for the entire state are summarized by sector on the following pages

[28] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 59

[29] U.S. Environmental Protection Agency. 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support Document https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf Pg 6-23

in Table 3-13 and Table 3-14. These emissions estimates are comphrensively shown by county and fuel type in Appendix F.

Table F-1	2017 Annual Onroad Emissions by SCC for Fairfield County (Excluding Refueling Emissions)
Table F-2	2017 Annual Onroad Emissions by SCC for Hartford County (Excluding Refueling Emissions)
Table F-3	2017 Annual Onroad Emissions by SCC for Litchfield County (Excluding Refueling Emissions)
Table F-4	2017 Annual Onroad Emissions by SCC for Middlesex County (Excluding Refueling Emissions)
Table F-5	2017 Annual Onroad Emissions by SCC for New Haven County (Excluding Refueling Emissions)
Table F-6	2017 Annual Onroad Emissions by SCC for New London County (Excluding Refueling Emissions)
Table F-7	2017 Annual Onroad Emissions by SCC for Tolland County (Excluding Refueling Emissions)
Table F-8	2017 Annual Onroad Emissions by SCC for Windham County (Excluding Refueling Emissions)
Table F-9	2017 Summer Weekday Onroad Emissions by SCC For Fairfield County (Excluding Refueling Emissions)
Table F-10	2017 Summer Weekday Onroad Emissions by SCC For Hartford County (Excluding Refueling Emissions)
Table F-11	2017 Summer Weekday Onroad Emissions by SCC For Litchfield County (Excluding Refueling Emissions)
Table F-12	2017 Summer Weekday Onroad Emissions by SCC For Middlesex County (Excluding Refueling Emissions)
Table F-13	2017 Summer Weekday Onroad Emissions by SCC For New Haven County (Excluding Refueling Emissions)
Table F-14	2017 Summer Weekday Onroad Emissions by SCC For New London County (Excluding Refueling Emissions)
Table F-15	2017 Summer Weekday Onroad Emissions by SCC For Tolland County (Excluding Refueling Emissions)
Table F-16	2017 Summer Weekday Onroad Emissions by SCC For Windham County (Excluding Refueling Emissions)
Table F-17	2017 Annual Onroad Emissions by Fuel Type (Excluding Refueling Emissions)
Table F-18	2017 Summer Weekday Onroad Emissions by Fuel Type (Excluding Refueling Emissions)

Table 3-13: 2017 Annual Statewide Onroad Emissions (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	514.975	129.585	2461.875	4.644	1.185	0.418	6.420
22-01-21-0080	Gas	Passenger Car	5975.109	4902.860	55759.903	499.840	105.535	33.681	385.912
22-01-31-0080	Gas	Passenger Truck	5902.027	7490.813	77930.725	557.730	115.361	45.372	398.322
22-01-32-0080	Gas	Light Commercial Truck	500.789	647.605	6973.445	47.338	9.784	3.793	33.275
22-01-42-0080	Gas	Transit Bus	0.083	0.132	5.497	0.015	0.003	0.001	0.005
22-01-43-0080	Gas	School Bus	0.250	0.234	22.764	0.015	0.004	0.001	0.005
22-01-51-0080	Gas	Refuse Truck	0.437	0.467	8.598	0.007	0.004	0.001	0.002
22-01-52-0080	Gas	Single Unit Short-Haul Truck	239.695	213.811	5033.347	6.041	2.282	0.404	2.235
22-01-53-0080	Gas	Single Unit Long-Haul Truck	9.817	8.226	129.482	0.138	0.078	0.006	0.032
22-01-54-0080	Gas	Motor Home	16.588	10.739	221.064	0.203	0.097	0.011	0.057
22-01-61-0080	Gas	Combination Short-Haul Truck	0.082	0.129	1.737	0.002	0.001	0.000	0.000
22-02-21-0080	Diesel	Passenger Car	24.187	27.011	344.304	3.518	0.570	0.324	0.795
22-02-31-0080	Diesel	Passenger Truck	100.290	431.739	776.161	21.310	11.466	1.635	6.302
22-02-32-0080	Diesel	Light Commercial Truck	27.246	105.891	211.815	5.591	3.148	0.385	1.422
22-02-41-0080	Diesel	Intercity Bus	4.140	78.273	27.486	3.799	2.004	0.230	0.390
22-02-42-0080	Diesel	Transit Bus	1.488	17.416	14.880	0.725	0.294	0.061	0.107
22-02-43-0080	Diesel	School Bus	6.398	26.578	105.002	1.616	0.468	0.130	0.301
22-02-51-0080	Diesel	Refuse Truck	1.409	20.008	10.292	0.957	0.618	0.038	0.065
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	91.344	477.496	433.634	21.584	10.589	1.121	3.005
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	10.417	66.530	54.232	3.653	1.619	0.173	0.515
22-02-54-0080	Diesel	Motor Home	0.826	5.407	3.216	0.189	0.130	0.007	0.017
22-02-61-0080	Diesel	Combination Short-Haul Truck	35.000	761.904	233.877	43.207	17.179	3.401	5.926
22-02-62-0080	Diesel	Combination Long-Haul Truck	133.052	2095.431	594.111	95.004	48.502	5.795	10.753
22-03-42-0080	CNG	Transit Bus	0.169	2.016	5.980	0.087	0.012	0.006	0.033
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Statewide Total for On-Road Mobile Sources			13595.820	17520.303	151363.427	1317.213	330.934	96.995	855.893

Table 3-14: 2017 Summer Day Statewide Onroad Emissions

SCC	Fuel Type	Source Type	Summer Weekday Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	3,668.36	618.94	14,034.82
22-01-21-0080	Gas	Passenger Car	32,608.95	25,840.88	331,978.23
22-01-31-0080	Gas	Passenger Truck	33,021.90	40,776.46	513,412.92
22-01-32-0080	Gas	Light Commercial Truck	2,789.84	3,527.79	45,375.34
22-01-42-0080	Gas	Transit Bus	0.50	0.65	28.79
22-01-43-0080	Gas	School Bus	1.68	1.31	149.45
22-01-51-0080	Gas	Refuse Truck	2.98	2.55	50.81
22-01-52-0080	Gas	Single Unit Short-Haul Truck	1,780.42	1,294.69	32,399.43
22-01-53-0080	Gas	Single Unit Long-Haul Truck	66.88	46.47	766.87
22-01-54-0080	Gas	Motor Home	127.76	54.43	1,179.50
22-01-61-0080	Gas	Combination Short-Haul Truck	0.58	0.67	10.46
22-02-21-0080	Diesel	Passenger Car	104.52	162.56	2,687.40
22-02-31-0080	Diesel	Passenger Truck	543.54	2,812.57	6,288.54
22-02-32-0080	Diesel	Light Commercial Truck	147.05	695.11	1,704.20
22-02-41-0080	Diesel	Intercity Bus	23.48	426.53	177.82
22-02-42-0080	Diesel	Transit Bus	6.51	94.96	85.42
22-02-43-0080	Diesel	School Bus	14.58	145.54	723.10
22-02-51-0080	Diesel	Refuse Truck	6.78	108.78	65.70
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	342.41	2,707.54	2,937.19
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	46.50	370.62	352.03
22-02-54-0080	Diesel	Motor Home	4.03	29.64	19.28
22-02-61-0080	Diesel	Combination Short-Haul Truck	199.44	4,148.18	1,502.45
22-02-62-0080	Diesel	Combination Long-Haul Truck	862.34	11,532.36	3,872.04
22-03-42-0080	CNG	Transit Bus	1.05	12.72	36.26
22-05-21-0080	E85	Passenger Car	0.00	0.00	0.00
22-05-31-0080	E85	Passenger Truck	0.00	0.00	0.00
22-05-32-0080	E85	Light Commercial Truck	0.00	0.00	0.00
Statewide Total for On-Road Mobile Sources			**76,372.08**	**95,411.94**	**959,838.05**

3.2 Non-Road Mobile Sources

The following MOVES default inputs have since been refined by the EPA in 2018 to include significant improvements to non-road inventory estimations and have been included in this updated 2017 PEI:

- Non-road growth indices
  - This decreases non-road equipment populations (and thus emissions), but results vary depending on the economic sector and the base year population of Connecticut and its counties.
- Tier 4 non-road diesel engine classifications, population splits, speciation, and emission rates
  - These changes better account for emissions from large diesel engines with advanced after-treatment. The changes generally decrease future year emissions.
- Non-road diesel fuel sulfur levels
  - This will affect non-road emissions for sulfate and particulate matter.

To estimate non-road emissions in 2017, CT DEEP ran MOVES2014b for all eight Connecticut counties in inventory-mode using established annual and summer day input data. Part 3.2.1 of this subsection provides an explanation and basis for the input parameters used in MOVES2014b for this inventory.

3.2.1 MOVES Non-Road Inputs

The following subparts document the sources of information used to develop locally specific inputs for the MOVES2014b non-road runs.

3.2.1.1 Fuel Formulation and Fuel Supply

As directed by the *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations,* fuel data, including fuel formulation and fuel supply, uses MOVES2014b defaults as is similarly done with the on-road runs to ensure the validity of the results.[30] Further detail can be found in subpart 3.1.1.9.

3.2.1.2 Population Adjustment for Recreational Marine Sources

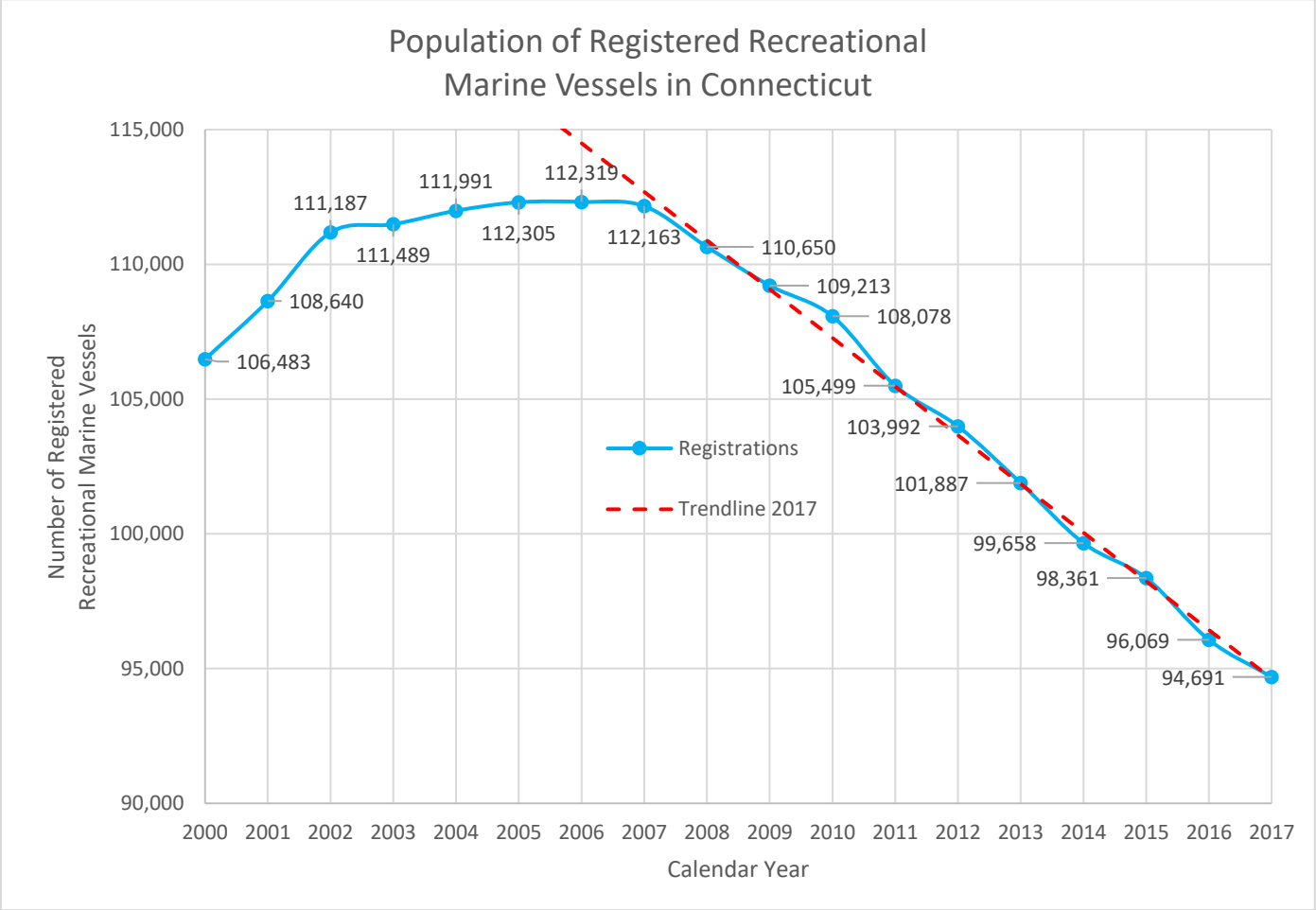
The default MOVES2014b values for the *nrbaseyearequippopulation* input are used for all non-road sources except recreational marine sources (sourcetypesIDs 2113 through 2159). This is because the default population growth among these source types is not reflective of boating population in Connecticut. Recreational marine estimates for 2014 are obtained from CT DMV boating registration data.

As seen in Figure 3- on the next page, since reaching a peak of more than 112,000 boating registrations between 2005 and 2007, boating registration numbers in Connecticut have steadily declined by about 1,700 registrations each year to a total of 94,689 boating registrations in 2017, a decline of approximately 15% over the last decade. The default MOVES2014b values increase the boating population in Connecticut, which is not representative of the local boating population, so the boating registration data is used. An analysis of the 2018 registration data was used to create an equipment population and distribution for each recreational marine source type and was scaled to the total boating population in 2017.

The population values of recreational marine sources used in MOVES are shown in Table G-17.

[30] U.S. Environmental Protection Agency. *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter* 2017

Figure 3-C: Population of Registered Recreational Marine Vessels in Connecticut



3.2.2 MOVES Non-Road Data

Information regarding MOVES2014b run specifications, input databases, and output databases used to calculate 2017 non-road mobile source emission estimates are available upon request. This is a large download (1 GB), and the database files require the supporting MOVES database application (currently MariaDB, formerly MySQL). Send an email to DEEP.BAM.TS@ct.gov using a subject line of "MOVES 2017 NONROAD File Request". Copying Richard.Rodrigue@ct.gov and Steven.Potter@ct.gov may improve the response time for your request. Instructions for accessing the files via secure file transport website (https://sft.ct.gov/) will be provided after we put the files on the secure file transport website.

These databases and files provide additional details beyond that provided in this document.

3.2.3 Non-Road Mobile Sources Emissions Results

The annual and summer day emission estimates for non-road mobile sources were previously summarized by county in Table 3-2 and Table 3-4, respectively. The estimates for the entire state are summarized by sector on the following page in Table 3-15 and Table 3-16. These emissions estimates are comphrensively shown by county and sector in Appendix G. While aircraft, commercial marine vessels, and locomotives are discussed in the following subsections, the emissions from these sectors are included in the summary tables.

Table 3-15: 2017 Annual Non-Road Sector Emissions in Connecticut

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	13.69	141.10	120.69	10.20	9.89	0.16	0.16	0
Aircraft Exhaust	147.93	320.23	1883.95	35.49	29.51	47.18	0.00	2.4206
Airport Equipment	3.89	12.34	109.61	0.58	0.55	0.58	0.00	0
Commercial Equipment	686.56	818.95	19088.75	71.40	68.14	1.14	1.64	0
Commercial Marine Vessels (CMV)	69.67	1755.50	257.59	45.82	44.32	7.34	0.85	0.0056
Construction and Mining Equipment	506.80	2832.80	4789.68	259.01	249.99	4.42	4.53	0
Industrial Equipment	214.39	1294.50	5527.42	67.23	65.66	2.61	1.89	0
Lawn and Garden Equipment (Com)	3064.07	758.12	48079.53	263.24	243.40	1.62	3.18	0
Lawn and Garden Equipment (Res)	1142.90	193.92	19621.18	50.32	46.30	0.52	1.14	0
Locomotives	53.61	1139.11	143.40	33.92	32.90	0.51	0.45	0
Logging Equipment	2.21	6.75	21.35	0.65	0.62	0.02	0.02	0
Pleasure Craft	1994.44	1164.18	10065.79	38.91	36.32	1.04	1.70	0
Railroad Equipment	4.87	24.13	57.59	2.76	2.67	0.03	0.03	0
Recreational Equipment	842.79	87.52	6677.29	26.71	24.66	0.22	0.48	0
Statewide Total	**8,747.82**	**10,549.15**	**116,443.82**	**906.24**	**854.93**	**67.39**	**16.07**	**2.4262**

Table 3-16: 2017 Summer Weekday Non-Road Sector Emissions in Connecticut

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	138	1,410	1,238
Aircraft Exhaust	915	1,859	13,562
Airport Equipment	22	71	630
Commercial Equipment	4,577	4,848	126,584
Commercial Marine Vessels (CMV)	383	9,646	1,415
Construction and Mining Equipment	3,756	20,814	36,354
Industrial Equipment	1,341	7,749	35,481
Lawn and Garden Equipment (Com)	22,546	6,306	435,631
Lawn and Garden Equipment (Res)	7,381	1,017	127,812
Locomotives	412	8,762	1,103
Logging Equipment	14	42	139
Pleasure Craft	13,432	5,786	52,827
Railroad Equipment	33	163	407
Recreational Equipment	5,341	479	46,170
Statewide Total	**60,292**	**68,954**	**879,353**

3.3 Aircraft

The aircraft sector is comprised of aircraft used for public, private, and military purposes; as well as aircraft auxiliary power units (APU) and ground support equipment (GSE), such as refueling and baggage handling vehicles. Aircraft are split into four categories: military, commercial, general aviation, and air taxis. All vehicles used for military aircraft operations are encompassed under military aircraft; commercial aircraft and air taxis are both used to transport passengers and freight; and general aviation aircraft include vehicles used for personal transportation and recreation. All aircraft and support equipment are generally defined under the following SCCs:

Table 3-17: SCCs to Define Aircraft and Support Equipment

Source Classification Code	SCC Description			
	Level 1	Level 1	Level 1	Level 1
22-75-00-1000	Mobile Sources	Aircraft	Military Aircraft	Total
22-75-02-0000	Mobile Sources	Aircraft	Commercial	Total
22-75-05-0011	Mobile Sources	Aircraft	General Aviation	Piston
22-75-05-0012	Mobile Sources	Aircraft	General Aviation	Turbine
22-75-06-0011	Mobile Sources	Aircraft	Air Taxi	Piston
22-75-06-0012	Mobile Sources	Aircraft	Air Taxi	Turbine
22-75-07-0000	Mobile Sources	Aircraft	Aircraft APU	Total
22-75-087-000	Mobile Sources	Aircraft	In-flight (non-Landing-Takeoff cycle)	Total
22-60-00-8005	Mobile Sources	Off-Highway Vehicle Gasoline	Airport GSE	Two-Stroke
22-65-00-8005	Mobile Sources	Off-Highway Vehicle Gasoline	Airport GSE	Four-Stroke
22-67-00-8005	Mobile Sources	Off-Highway Vehicle LPG	Airport GSE	Airport GSE
22-68-00-8005	Mobiles Sources	Off-Highway Vehicle CNG	Airport GSE	Airport GSE
22-70-00-8005	Mobile Sources	Off-Highway Vehicle Diesel	Airport GSE	Airport GSE

While aircraft are modeled using MOVES, the associated emissions are classified in the NEI as a point source centered at an airport instead of as a non-road mobile source. In this PEI, however, aircraft emissions have been included as a component of the non-road sector. The emissions produced from aircraft exhaust, APUs, and GSE are considered to be part of an aircraft's Landing & Take-Off (LTO) cycle. The EPA provided draft estimates of the aircraft activity data for the 2017 NEI and allowed states to comment before the calculation of emissions. The EPA expressed interest in separating emissions from piston-engine and turbine-engine powered aircraft to obtain a more accurate estimate for lead. Thus, Connecticut submitted comments to identify the airports and heliports that exclusively use turbine-engine powered aircraft and to provide other updates to the activity data. SCC 22-75-087-000 is uniquely provided a statewide area source lead only emission estimate for in-flight aircraft emissions that occur above the boundary layer. The finalized EPA estimates used in the 2017 NEI for aircraft can be found in the **2017EPA_Airports** dataset available through the EIS Gateway. Connecticut accepts these annual emissions estimates for each facility without adjustment. Connecticut does consider the estimates for small airports and heliports to be high, but these small airports and heliports do not significantly impact emissions estimates, as is evidenced by airport shutdowns and previous airport survey data. For more information

on how the EPA determined these estimates, please refer to Section 3.2 of the 2017 NEI TSD.[31]

Summer ozone emissions are calculated from the annual emissions using allocation factors. These allocation factors can be determined using airport operation records in the Federal Aviation Administration (FAA) Air Traffic Activity Data System (ATADS) and survey data.

The FAA ATADS contains operations data for airports with FAA control towers. The following airports in Connecticut have FAA control towers:

- Bradley International Airport (BDL) - Windsor Locks, CT
- Danbury Municipal Airport (DXR) - Danbury, CT
- Groton-New London Airport (GON) - Groton, CT
- Hartford-Brainard Airport (HFD) - Hartford, CT
- Igor I. Sikorsky Memorial Airport (BDR) -Stratford, CT
- Tweed-New Haven Airport (HVN) - New Haven, CT
- Waterbury-Oxford Airport (OXC) - Oxford, CT

The FAA also estimates the annual operations for thirteen Connecticut airports in their Traffic Area Forecast (TAF), which includes the seven aforementioned airports in the ATADS and the following six airports:

- Chester Airport (SNC) – Chester, CT
- Danielson Airport (LZD) – Killingly, CT
- Meriden-Markham Municipal Airport (MMK) - Meriden, CT
- Robertson Field (4B8) – Plainville, CT
- Simsbury Airport (4B9) – Simsbury, CT
- Windham Airport (IJD) – North Windham, CT

Because the TAF is only an estimate of annual operations and are not specified by month, the allocation factors for these six airports, and all remaining airports and heliports in Connecticut, are determined from survey data collected from the facilities for the 2005 PEI. This makes the allocation factors used in this PEI consistent with previous PEIs. For a sample calculation of how summertime emissions are calculated in the aircraft sector, please refer to Example 6 in Appendix B.

The airport operations provided by survey responses are refined as necessary to ensure there is an allocation factor for each SCC in Table 3-17. This includes augmentations like separating the general aviation operations into piston-driven and turbine-driven aircraft. Military LTO estimates are not available for MMK and LZD, so a factor of 0.25 is used for MMK and a factor of 0.7 is used for LZD; these factors are consistent with the allocation factors for all other aircraft SCCs at these airports.

Aircraft APUs and GSE estimates are provided in the **2017EPA_Airports** dataset for a few Connecticut airports. While APU and GSE emission estimates are typically at the thirteen airports included in the FAA TAF, the FAA ATADS records and Connecticut airport survey responses do not explicitly identify APUs or GSE operations. The most representative type of aircraft operations at that airport are used as a surrogate to estimate summer day allocation factors for these APU and GSE SCCs at that airport. This is because APUs are specific to aircraft commonly used for commercial air carrier and air taxi services and GSE can be provided at the airport for passengers, luggage, and shipments at the airport. Airport specific activities thought to provide the most representative summer day can be applied independently but review of the data indicated that adopting an estimate that included both air carrier and air taxi activity together appeared to be reasonable. For example, the most significant APU and GSE emissions for Connecticut are at Bradley Airport (BDL). The 2017 air carrier commercial aircraft summer season allocation factor is estimated at 0.261 and a combined air carrier and air taxi summer day allocation factor is estimated at 0.262 were calculated from FAA ATADS data. A summer day allocation factor of 0.262 was applied to the APU (22-75-070-000) and GSE SCCs (22-65-008-005, 22-67-008-005, 22-68-008-005, and 22-70-008-

[31] U.S. Environmental Protection Agency. *Airports*. 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support Document. https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf. Pgs 3-17 to 3-18

005) at BDL (See appendix table G-20). EPA APU and GSE emission estimates for other airports were much smaller and an allocation factor based on a calculated combined air carrier and air taxi summer was used when needed. Appendix G only shows non-zero emissions. Airport ground support equipment SCC 22-60-008-005 (two stroke gasoline), SCC 22-67-008-005 (LPG), and SCC 22-68-008-005 (CNG) do not appear in Appendix G because these process SCCs have no emissions in Connecticut for 2017.

The emissions resulting from aircraft in Connecticut can be found in Appendix G.

Table G-18	Annual Lead Emissions from Piston-Driven Aircraft
Table G-19	Annual Emissions of Aircraft
Table G-20	Aircraft Summer Day Allocation Factors
Table G-21	Summer Day Emissions of Aircraft

3.4 Commercial Marine Vessels (CMV)

Marine vessels that are used to conduct commerce or for use by the Coast Guard are classified as commercial marine vessels (CMVs) and are reported under the following SCCs:

Table 3-18a: SCCs to Define Commercial Marine Vessels

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-80-002-101	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Main Engine
22-80-002-102	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Auxiliary Engine
22-80-002-103	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Main Engine
22-80-002-104	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Auxiliary Engine
22-80-002-201	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Main Engine
22-80-002-202	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Auxiliary Engine
22-80-002-203	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Main Engine
22-80-002-204	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Auxiliary Engine
22-80-003-103	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Main Engine
22-80-003-104	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Auxiliary Engine
22-80-003-203	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Main Engine
22-80-003-204	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Auxiliary Engine

SCCs previously used for reporting commercial marine vessels (CMVs) were retired in 2016 and are shown below:

Table 3-19b: Retired Commercial Marine Vessels SCCs

Source Classification Code	SCC Description			
	Level 1	Level 1	Level 1	Level 1
22-80-002-100	Mobile Sources	Marine Vessels, Commercial	Diesel	Port
22-80-002-200	Mobile Sources	Marine Vessels, Commercial	Diesel	Underway
22-80-003-100	Mobile Sources	Marine Vessels, Commercial	Residual	Port
22-80-003-200	Mobile Sources	Marine Vessels, Commercial	Residual	Underway

The emissions estimates for CMVs in Connecticut presented by the EPA in the 2017 NEI are accepted without modification. For more information on how the EPA determined these estimates, please refer to Section 4.21 of the 2017 NEI TSD.[32]

The annual estimates for 2017 are presented in Table G-22 and the estimates for a typical summer day are presented in Table G-23. The summer day emissions for CMVs are calculated using a factor based on continuous activity, which corresponds to the summer day apportionment factor of 5.495 lb/day to TPY listed in Table D-2. For a sample calculation of how summer day emissions are calculated in the CMV sector, please refer to Example 4 in Appendix B.

3.5 Locomotives

CT DOT has ownership of roughly 1,000 miles of track. Table 3-19 below shows the fourteen companies that operated locomotives in the State of Connecticut in 2017 by SCC:

[32] U.S. Environmental Protection Agency. 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support Document https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf Pgs 4-255 to 4-257

Table 3-20: Locomotive Operations in Connecticut

SCC	Locomotive Class	Company
22-85-002-006	Class I Freight†	CSX Transportation (CSXT)
22-85-002-007	Class II/III Freight	Branford Steam Railroad (BRFD)
		Central New England Railroad (CNZR)
		Connecticut Southern Railroad (CSO)
		Housatonic Railroad (HRRC)
		Naugatuck Railroad (NAUG)‡
		New England Central Railroad (NECR)
		Pan Am Railways (PAR)
		Pan Am Southern Railroad (PAS)
		Providence and Worcester Railroad (PW)
		Valley Railroad (VALE)‡
22-85-002-008	Passenger	Amtrak (AMTK)
22-85-002-009	Commuter	Shore Line East (SLE)
		Metro-North Railroad (MNCW)
22-85-002-010	Yard Locomotives	(All have Yard activity)

† Railroad classes are determined by gross revenue, of which, the Class I designation has the largest revenue criteria, followed by Class II and then Class III.
‡ Valley Railroad is actually tourist attraction (passenger) operations that was included in the inventory as a as Class II/III.

The 2017 NEI estimates assign zero emissions to Class I Operations (22-85-002-006) in Connecticut due to the small scale of these operations relative to national Class I values. CT DEEP provides its own estimates for Class I Operations formulated from a base year of 2005. 2005 data was used because a comprehensive survey was conducted that year with fuel use and track rights data collected from all rail lines in the State of Connecticut. The survey results were analyzed to apportion fuel usage to track mileage for each county, as shown in Table G-26.[33] The Class I values pertain only to CSXT, where Fairfield (146,415 gallons), and New Haven (111,555 gallons), respectively represent 3.2% and 2.4% of total statewide locomotive fuel use in 2005 (4,545,060 gallons) and 10.5% and 8.0% of total statewide freight locomotive fuel use in 2005 (1,398,920 gallons). The ratio of emissions associated with the 2005 total freight fuel use were used against EPA's 2017 Class II and III rail emission estimates to obtain proportional values the 2017 Class I emissions estimates. The results of this estimate are presented in the Table G-24 2017 annual estimates for Class I Operations (SCC 22-85-002-006).

Connecticut accepts the 2017 NEI EPA estimates for Class II/III Operations (SCC 22-85-002-007), passenger trains (SCC 22-85-002-008), commuter rail (SCC 22-85-002-009) and yard locomotives (22-85-002-010). Information on how the EPA determined these rail emission estimates are available in Section 4.22 of the 2017 NEI TSD.[34]

Yard locomotives (22-85-002-010) emissions were zero due to the small scale of these operations. EPA 2017 emissions estimates associated with rail yard locomotives were estimated as point source emissions (point SCC 2-85-002-01) in the 2017 NEI, and even Connecticut's largest switchyard was considered too small and were estimated as zero.

[33] State of Connecticut, Department of Energy and Environmental Protection, Bureau of Air Management. 2009. *2005 Periodic Ozone and Carbon Monoxide Emissions Inventory.* https://portal.ct.gov/DEEP/Air/Emissions-Inventory/Emissions-Inventory
[34] U.S. Environmental Protection Agency. 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support Document https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf Pgs 4-256 to 4-258

The annual estimates for 2017 are presented in Table G-24 and the estimates for a typical summer day are presented in Table G-25. The summer day emissions for locomotives are calculated using a factor based on uniform activity of 24 hours a day, five days a week, which corresponds to the 7.692 lb/day to TPY summer day apportionment factor listed in Table D-2. For a sample calculation of how summertime emissions are calculated in the locomotive sector, please refer to Example 5 in Appendix B.

Section 3 References

13. 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50
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15. On-road refueling emissions are included in the Area Sources summary and are therefore excluded from on-road emissions.
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30. U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 59
31. U.S. Environmental Protection Agency. 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support Document https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf Pg 6-23

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Section 4 Area Sources

4.0 Introduction

The Area Source Inventory estimates the emissions for those source categories that are too small and/or too numerous to be handled individually in the point source inventory (e.g., residential heating units). Table 4-1 and Table 4-2 present the total of all area source emissions for annual and typical high ozone summer day by county. Table 4-3 and Table 4-4 present the annual and summer day contributions from each area source sector by county. Appendix I Table I-1 presents annual emissions (TPY) by section number within Section 4 of this document, SCC and County. Appendix I Table I-2 lists the VOC, NO_X, and CO emissions for a typical ozone summer day (lb/day) by section number within Section 4 of this document, SCC and County. Appendix I also includes Table I-3 which defines the area source sector groups used in Tables 4-3 and 4-4.

Appendix D Table D-1 lists applicable Source Classification Codes (SCCs) for each section of this 2017 PEI together with an SCC description, the EPA data format (Data Category) and summer day allocation method. With the exception of Stage II Refueling, bulk plant and terminals, and landfill emissions, the allocation of annual emissions to summer day emissions for area source SCCs were generated based on the summer day allocation factors presented in Appendix D Table D-2. These allocation factors are applied on a SCC basis. An example of implementation of the Appendix D Table D-2 allocation factors are shown in Appendix B. Allocation factors generally remain consistent with values used in previous PEI documents and follow EPA SCC replacement mappings. Appendix D Table D-3 provides a listing of summer day allocation factor additions and modifications. The first column of the table indicates the type of change associated with the listed SCC (Correction, New, Replace, or Non-Zero). A single summer day allocation factor for industrial wood combustion was changed (Change Type Correction) to be consistent with other industrial SCCs. Thirteen (13) SCCs were identified to be new to the PEI, but only three (3) SCCs needed to be provided a summer day allocation factor (Change Type New). An additional twelve (12) SCCs were new replacement SCCs for 2017 NEI commercial marine vessels (Change Type Replace). Five SCCs had a zero annual 2014 emissions estimates for VOC, CO, and NO_X, but now required a summer day allocation because the annual 2017 emissions for VOC, CO or NOx were not zero (Change Type Non-Zero). Many summer day allocation factors could be set equal to values established for existing SCCs for similar process. EPA temporal profiles were evaluated when establishing new summer day allocation profiles for new processes. Appendix D Tables D-3 shows the summer day allocation factor and described the logic used in setting the summer day allocation factor for the 2017 PEI. Appendix D Table D-4 and Table D-5 show EPA temporal allocation information for new processes.

Connecticut has adopted EPA's area source emissions estimates for Connecticut, contained in the January 2021 version of EPA's 2017 NEI. Data for the Area Source section was extracted from the 2017 NEI Supporting Data and Summaries link. This parent directory has links to Nonpoint data that was used for all aspects of the Area Source emissions estimates with the exception of Prescribed Burning and Wildfires, which has a separate "events" link.

As part of the process of developing EPA's 2017 area source inventory, Connecticut reviewed and made corrections or enhancements where it was appropriate. Most area source categories were accepted as is. Reviews of source categories and the logic used to accept or recommend changes are documented below. Connecticut primarily reviewed source categories that were either impacted by Connecticut specific regulations or the source category had point source emissions that needed to be accounted for in the area source estimate to avoid double counting. Issues noted after the completion of the 2017 NEI are also addressed in this document and are reflected in revised emissions estimates as described.

Documentation for the 2017 NEI is provided in the 2017 NEI Technical Support Document. Supporting information is in various sections of the TSD. Specific information in the TSD can be most efficiently found using the section title or SCC

description applicable to the area source section, whereas the detailed files supporting TSD calculations are usually better searched by SCC number. SCC information is available online and can be downloaded from EPA's SCCs database. The SCC download contains many additional fields including SCC Sector and Tier information.

Table 4-1: 2017 Annual Area Source Emissions Summary by County

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	7,923	2,833	6,924	4,045	1,850	364	438	0.0619
Hartford	9,550	3,059	7,461	4,258	1,982	337	636	0.0566
Litchfield	2,075	550	4,053	2,581	921	112	667	0.0169
Middlesex	1,482	529	2,481	1,185	554	98	216	0.0159
New Haven	7,644	2,493	6,129	3,259	1,592	336	522	0.0574
New London	3,291	820	3,560	2,540	899	153	472	0.0251
Tolland	1,272	354	2,362	1,374	528	78	428	0.0124
Windham	1,256	312	2,262	1,376	499	69	560	0.0106
Connecticut	**34,493**	**10,951**	**35,232**	**20,618**	**8,826**	**1,547**	**3,940**	**0.2569**

Table 4-2: 2017 Summer Day Area Source Emissions Summary by County

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	49,120	6,777	11,230
Hartford	61,574	7,553	11,462
Litchfield	10,761	1,198	3,474
Middlesex	8,021	1,221	2,395
New Haven	48,253	5,830	10,221
New London	20,345	1,901	3,574
Tolland	6,596	702	1,731
Windham	6,760	660	1,569
Connecticut	**211,430**	**25,841**	**45,657**

Table 4-3: 2017 Annual Area Source Emissions Summary by Sector

Area Source Sector (See Appendix I Table I-3 for definitions)	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Agriculture	227.9	0.0	0.0	1,225.9	239.5	0.0	2,912.0	0.0000
Asphalt Paving – Cutback and Emulsified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Aviation Gasoline Distribution	156.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0010
Bulk Plants and Terminals	49.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Cooking	230.3	0.0	634.3	1,652.6	1,534.6	0.0	0.0	0.0000
Construction Dust	0.0	0.0	0.0	4,833.8	483.4	0.0	0.0	0.0000
Cremation	0.2	2.6	2.2	2.3	1.5	1.6	0.0	0.0070
Fuel Combustion Commercial and Institutional Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Fuel Combustion Commercial and Institutional Distillate Oil	40.8	828.0	189.3	74.7	70.7	35.1	13.5	0.0197
Fuel Combustion Commercial and Institutional Kerosene	0.0	1.6	0.4	0.2	0.2	0.0	0.1	0.0001
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	7.9	216.3	121.1	0.8	0.6	0.9	0.8	0.0007
Fuel Combustion Commercial and Institutional Natural Gas	127.6	2,320.7	1,949.4	12.1	10.0	13.9	11.4	0.0116
Fuel Combustion Commercial and Institutional Residual Oil	0.8	39.6	3.6	8.8	6.1	113.0	0.6	0.0009
Fuel Combustion Commercial and Institutional Wood	7.7	99.2	270.6	233.1	201.6	11.3	2.3	0.0000
Fuel Combustion Industrial Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Fuel Combustion Industrial Distillate Oil	5.6	100.4	22.4	8.2	7.0	5.2	1.0	0.0017
Fuel Combustion Industrial Kerosene	0.2	15.8	3.9	1.8	1.2	4.7	0.6	0.0010
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	0.1	2.9	1.6	0.0	0.0	0.0	0.1	0.0000
Fuel Combustion Industrial Natural Gas	43.4	788.2	662.1	4.1	3.4	4.7	25.2	0.0039
Fuel Combustion Industrial Residual Oil	0.0	2.3	0.2	0.5	0.4	6.6	0.0	0.0001

Area Source Sector (See Appendix I Table I-3 for definitions)	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fuel Combustion Industrial Wood	35.7	461.4	1,258.5	1,084.4	937.6	52.4	14.7	0.0000
Gas Stations - Stage I	185.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Gas Stations - Stage II	927.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Industrial Processes - Storage and Transfer - Truck or Pipeline	1,482.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Mining and Quarrying	0.0	0.0	0.0	1,053.3	131.7	0.0	0.0	0.0000
Municipal Landfill Estimate	336.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Oil and Gas Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Portable Fuel Containers Estimates	669.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Prescribed Burning and Wildfires (Events)	397.6	29.9	1,677.0	176.9	149.9	14.8	27.7	0.0000
Publically Owned Treatment Works (POTW)	41.8	0.0	0.0	0.0	0.0	0.0	8.6	0.0000
Residential Charcoal Grilling	56.5	21.3	1,031.0	195.5	156.5	0.0	0.0	0.0000
Residential Heating: Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Residential Heating: Distillate Oil	117.8	2,766.6	826.4	393.3	352.0	1,173.4	165.3	0.2089
Residential Heating: Kerosene	0.2	4.7	1.3	0.6	0.6	0.0	0.3	0.0003
Residential Heating: LPG	19.9	512.1	145.2	1.9	1.6	2.2	1.8	0.0000
Residential Heating: Natural Gas	133.2	2,276.3	968.6	12.6	10.4	14.5	484.3	0.0000
Residential Heating: Wood	3,617.0	456.3	25,378.4	3,419.8	3,412.2	91.8	191.6	0.0000
Road Dust	0.0	0.0	0.0	6,191.8	1,091.5	0.0	0.0	0.0000
Solvent - Consumer & Commercial Solvent Use	9,239.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent – Degreasing	2,857.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent - Dry Cleaning	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent - Graphic Arts	6,048.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent - Industrial Surface Coating & Solvent Use	6,832.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Waste Disposal Open Burning	21.1	4.7	84.3	28.6	22.1	0.6	0.0	0.0000
Waste Recycling Composting	552.7	0.0	0.0	0.0	0.0	0.0	78.1	0.0000
All Area Sources	**34,493**	**10,951**	**35,232**	**20,618**	**8,826**	**1,547**	**3,940**	**0.2569**

Table 4-4: 2017 Summer Day Area Source Emissions Summary by Sector

Area Source Sector (See Appendix I Table I-3 for definitions)	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Agriculture	2,986	0	0
Asphalt Paving – Cutback and Emulsified	0	0	0
Aviation Gasoline Distribution	858	0	0
Bulk Plants and Terminals	325	0	0
Commercial Cooking	1,265	0	3,485
Construction Dust	0	0	0
Cremation	1	15	12
Fuel Combustion Commercial and Institutional Coal	0	0	0
Fuel Combustion Commercial and Institutional Distillate Oil	134	2,730	624
Fuel Combustion Commercial and Institutional Kerosene	0	5	1
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	26	713	399
Fuel Combustion Commercial and Institutional Natural Gas	421	7,651	6,427
Fuel Combustion Commercial and Institutional Residual Oil	3	130	12
Fuel Combustion Commercial and Institutional Wood	0	0	0
Fuel Combustion Industrial Coal	0	0	0
Fuel Combustion Industrial Distillate Oil	36	643	144
Fuel Combustion Industrial Kerosene	1	101	25
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	1	19	10
Fuel Combustion Industrial Natural Gas	278	5,052	4,244
Fuel Combustion Industrial Residual Oil	0	15	1
Fuel Combustion Industrial Wood	0	0	0
Gas Stations - Stage I	1,067	0	0
Gas Stations - Stage II	7,365	0	0
Industrial Processes - Storage and Transfer - Truck or Pipeline	8,548	0	0
Mining and Quarrying	0	0	0
Municipal Landfill Estimate	1,841	0	0
Oil and Gas Production	0	0	0
Portable Fuel Containers Estimates	7,374	0	0
Prescribed Burning and Wildfires (Events)	421	28	1,782
Publically Owned Treatment Works (POTW)	321	0	0
Residential Charcoal Grilling	621	234	11,330
Residential Heating: Coal	0	0	0
Residential Heating: Distillate Oil	142	3,344	999
Residential Heating: Kerosene	0	13	4
Residential Heating: LPG	54	1,379	391
Residential Heating: Natural Gas	205	3,502	1,490
Residential Heating: Wood	1,752	241	13,812
Road Dust	0	0	0

Area Source Sector (See Appendix I Table I-3 for definitions)	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Solvent - Consumer & Commercial Solvent Use	50,767	0	0
Solvent – Degreasing	21,984	0	0
Solvent - Dry Cleaning	123	0	0
Solvent - Graphic Arts	46,523	0	0
Solvent - Industrial Surface Coating & Solvent Use	51,619	0	0
Waste Disposal Open Burning	116	26	463
Waste Recycling Composting	4,252	0	0
All Area Sources	**211,430**	**25,841**	**45,657**

4.1 Fuel Combustion

4.1.1 Electric Utility Fuel Combustion

There are currently no area source electric utility SCCs, so nonpoint data for electric utility fuel combustion cannot be provided to the EPA EIS at this time. Connecticut includes smaller electric utilities in point source reporting and electric utilities are almost completely covered in the Stationary Point Sources Inventory. The smaller electric utilities that are not covered in the point inventory are listed in Table H-1. This list corresponds to facilities in the Energy Information Administration 2017 Form EIA-923 Report that had an EIA-923 plant identifier but did not align to an EIS alternative identifier, such as, Integrated Planning Model (IPM) or Clean Air Markets Division (CAMD), for an EIS facility having 2017 emissions reported.[35] Total activity for all missing distillate and natural gas facilities was calculated to be 363.59 thousand gallons of distillate oil and 2,218.9 million cubic feet of natural gas, as described in the following subsection. This missing electric utilities' activity data was applied to the ICI combustion tool (described below), in order to include the associated emissions in the inventory.

4.1.2 Industrial, Commercial, and Institutional (ICI) Fuel Combustion

The Industrial, Commercial, and Institutional (ICI) fuel combustion source category overlaps with point source reporting, therefore point source reconciliation, also called point source subtraction, is needed to avoid double counting of reported point emissions. The EPA recommended an activity-based reconciliation rather than an emissions-based reconciliation for the 2017 NEI.

ICI fuel combustion point reconciliation was implemented using a mapping to the EIA-923 report data using the EPA IPM and CAMD alternate plant identifiers to the EIA Plant identifier and the NAICS and fuel type option (Option C) described in the EPA's ICI NEMO2 (ICI NEMO FINAL_4-2 updated.docx) created to support the 2017 NEI.

EPA's IPM and CAMD alternate plant identifiers were obtained from the EPA EIS Facility Configuration Facility Alternate Identifiers report. The North American Industry Classification System (NAICS) codes were obtained from the EPA EIS Facility Configuration Facility report, and other point reporting data including activity data obtained from Connecticut's point inventory system, EMIT. The linked EIA and point reported emissions inventory data shown in Table H-2 were reviewed for proper alignment, as well as for a reasonable expectation that the complete facility would correspond to the EIA classification stated in the EIA-923 report. The EIA-923 mapped data was supplemented with a NAICS based sector assignment based on the primary NAICS assigned to the facility in EIS and the Table 6 Mapping of NAICS code to ICI sector provided in EPA's ICI NEMO. Appendix H Table H-3 shows the resulting ICI Reconciliation Sector Assignment and Assignment Method.

Three reporting facilities have two corresponding EIA 923 mappings:

1) EIS facility identifier 590011 DEVON POWER, LLC maps to EIA plant identifier 544 Devon Station and plant identifier 57070 GenConn Devon LLC.
2) EIS facility identifier 715611 CRRA / MID-CONNECTICUT maps to EIA plant identifier 54945 CT Resource Rec Authority Facility and plant identifier 563 South Meadow.
3) EIS facility identifier 715711 MIDDLETOWN POWER LLC maps to EIA plant identifier 562 Middletown and plant identifier 57068 GenConn Middletown LLC.

[35] U.S. Energy Information Administration, *Form EIA-923 detailed data with previous data form data (EIA-906/920),* 2017 https://www.eia.gov/electricity/data/eia923/

Each of these mappings represents a situation where a single emissions statement is provided for a facility having two different operating companies at the facility. Division of units at the facility is not needed because the mapped sites have the same ICI Reconciliation Sector Assignment. Facilities assigned an Industrial or Commercial ICI Reconciliation Sector Assignment are applicable to ICI fuel combustion and need to be further processed into a suitable input for the EPA ICI Combustion Tool. Connecticut's EMIT point reporting emissions system requires the assignment of SCC unit of measure and material. This provides a better option for obtaining ICI combustion reconciliation data than Table 7 of the EPA's ICI NEMO, which inaccurately eliminates some SCCs when it should identify material and combustion processes. Processes having an appropriate material for ICI input, that are not related to petroleum distribution or evaporation, appear to cover the needed scope for ICI combustion point reconciliation.

A review of SCCs for the facilities assigned an Industrial or Commercial ICI Reconciliation Sector Assignment concluded that fuel consumption was reported separately from process materials (Chips fried, asphalt processed, etc.). This simplified the estimation of fuel use that could have been included under an SCC that was not explicitly associated with a fuel material and its corresponding fuel unit of measure.

The Connecticut facility specific results of the point ICI Reconciliation are shown in Table H-4 for each applicable fuel type. A statewide summary of these data by sector and fuel are provided in Table H-5. Table H-6 shows the final statewide point reconciliation activity input data results with a corresponding SCC assigned for use in the EPA's ICI Combustion Tool. This final result has 363.59 thousand gallons of distillate oil and 2,218.9 million cubic feet (MMCF) of natural gas removed for point reconciliation split equally from the commercial and industrial sectors to adjust electrical generation activity reported to EIA, but not reported as an emissions inventory point source. Part 4.1.1 of this section and Appendix H Table H-1 describe the calculations of the electrical generation activity reported to EIA but not reported as an emissions inventory point source.

Because the EIA only reports energy consumption down to the state-level, it is necessary to develop a procedure to allocate EIA's fuel consumption estimates (after adjustments noted in sections above) to counties. For the NEI, the procedure relies on the use of allocation factors developed from the county-level number of employees in the Industrial sector, and the county number of employees in the Commercial/Institutional sector. Industrial fuels were provided a profile, and commercial / institutional fuels were provided a different profile. Appendix H Table H-7 shows the county allocation profiles for industrial and commercial/institutional employment calculated from the ICI Combustion Tool activity output for Connecticut. ICI Combustion Tool compiled employment data for these NAICS codes from two Bureau of the Census publications– *County Business Patterns* (for private sectors), and *Census of Governments* (for public administration sectors). For more information on the developments of these profiles, please refer to Section 4.13 of the 2017 NEI TSD.[36]

The EPA ICI Combustion Tool was run to estimate activity and emissions based on the improved point reconciliation approach described above and the EPA defaults with modifications to inputs described below and explained in the individual fuel sections that follow. EIA State Energy Data System (SEDS) data series 2013F was used, with fuel-specific adjustments described the 2017 NEI TSD. Key state level inputs were as follows:

- ICI Point Source Reconciliation estimates using the 2017 methodology.
- ICI Distillate Boiler / Engine Split 95 / 5 for Commercial (and institutional) and 90/10 for Industrial.
- ICI Distillate Sulfur 0.05%.

[36] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021. *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-172 to 4-187, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=247

4.1.2.1 ICI Coal Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-001-000	Stationary Source Fuel Combustion	Industrial	Anthracite Coal	Total: All Boiler Types
21-02-002-000	Stationary Source Fuel Combustion	Industrial	Bituminous/ Subbituminous Coal	Total: All Boiler Types
21-03-001-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Anthracite Coal	Total: All Boiler Types
21-03-002-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Bituminous/ Subbituminous Coal	Total: All Boiler Types

The ICI Combustion tool outputs zero activity and zero emissions for ICI Coal Combustion. The annual estimates for this sector in 2017 are presented in Appendix Table I-1 and the estimates for a typical summer day are presented in Appendix Table I-2.

4.1.2.2 ICI Distillate Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-004-001	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All Boiler Types
21-02-004-002	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All IC Engine Types
21-03-004-001	Stationary Source Fuel Combustion	Commercial/ Institutional	Distillate Oil	Boilers
21-03-004-002	Stationary Source Fuel Combustion	Commercial/ Institutional	Distillate Oil	IC Engines

The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool) provided a base distillate oil activity input of 21,252 E3GAL (506 E3BBL) for industrial and 63,420 E3GAL (1,510) E3BBL) for commercial/ institutional. This base activity was reduced by state point reconciliation activity input of of 334.8 E3GAL (7.97 E3BBL) for industrial and 1,387.6 E3GAL (33.04 E3BBL) for commercial/ institutional to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.13 of the 2017 NEI TSD.[37] The annual estimates for this sector in 2017 are presented in Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

It is important to differentiate distillate fuel consumption by boilers from consumption by internal combustion engines because the associated emission factors greatly vary. An example of this emission factor variation is the emission factor for NO_X used in the EPA ICI Tool for internal combustion engines, which is more than 30 times greater than the boiler NO_X emission factor. EPA Nonpoint Methods Advisory Workgroup (NOMAD) regional and state discussions directed attention to properly representing distillate fuel consumption. The split of distillate oil fuel consumption of 95% by boilers and 5% by internal combustion engines for commercial and institutional SCCs used by Connecticut in 2011 was maintained, but in

[37] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021.

2014 Connecticut applied a higher percentage consumption for industrial SCCs (90% by boilers and 10% by internal combustion engines).

Connecticut's 2017 ICI Combustion tool input for the distillate boiler/engine split of 95%/5% for commercial and institutional SCCs and 90%/10% for industrial SCCs. The EPA ICI Combustion tool updated distillate boiler/engine split national default values to 60%/40% for industrial and 95%/5% for commercial in the May 31, 2017 issue of Version 1.6 of the tool. EPA indicated that states should update these national defaults based on state specific evaluation. The evaluation of Connecticut data for 2011 supported a boiler/engine split of 95%/5% for both commercial/institutional and industrial. An evaluation for the 2014 NEI was extended to include consideration of a review of Massachusetts data to ensure a representative sample of smaller facilities were included in the inventory. The boiler engine split ratio has come up a number of times and will likely come up in the future, so the following key points are noted.

- Turbine related distillate oil consumption is excluded from consideration in determining the distillate oil boiler/engine split.
- The distillate oil boiler/engine split relates to fuel consumption percentages and not equipment population percentages.
- Fuel cost and availability, particularly natural gas availability, impacts the distillate oil boiler/engine split, but capital cost of the boiler provides inertial stability for short term price differences. Generally, natural gas availability reduces distillate oil boiler fuel consumption.
- Regulations that prohibit emergency generator use for non-emergency behind the meter electrical generation reduce distillate oil engine fuel consumption.

Connecticut distillate oil sulfur regulations changed from 3000 ppm (0.3% by weight) to a low sulfur limit 500 ppm (0.05% by weight) effective July 1, 2014. The 2014 distillate oil sulfur input for the ICI combustion tool was conservatively set to the regulatory sulfur limits (0.05% by weight). Table 19b-1 of RCSA § 22a-174-19b ,"Fuel sulfur content limitations for stationary sources", indicates that the sulfur limits that was in effect for 2017 was 0.05% by weight.[38]

4.1.2.3 ICI Residual Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-005-000	Stationary Source Fuel Combustion	Industrial	Residual Oil	Total: All Boiler Types
21-03-005-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Residual Oil	Total: All Boiler Types

The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool) provided a base residual oil activity of 84 E3GAL (2 E3BBL) for industrial and 1,470 E3GAL (35 E3BBL) for commercial/ institutional. Point reconciliation activity adjustments to avoid double counting of activity and emissions reported in the point sector were not required. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.13 of the 2017 NEI TSD.[39] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[38] RCSA § 22a-174-19b. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b.
[39] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021.

Table 19b-1 of RCSA § 22a-174-19b,"Fuel sulfur content limitations for stationary sources", indicates that residual oil fuel sulfur limit did not change from the 10,000 ppm limit that existed in 2011.[40] This value corresponds to the default value (1.00% by weight) provided by EPA in the ICI combustion tool.

4.1.2.4 ICI Natural Gas Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-006-000	Stationary Source Fuel Combustion	Industrial	Natural Gas	Total: Boilers and IC Engines
21-03-006-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Natural Gas	Total: Boilers and IC Engines

The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool) provided a base natural gas activity of 24,557 MMCF for industrial and 52,513 MMCF for commercial/ institutional. This base activity was reduced by state point reconciliation activity input of 8,556.3 MMCF for industrial and 5,112.2 MMCF for commercial/ institutional to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.13 of the 2017 NEI TSD.[41] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.2.5 ICI LPG Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-007-000	Stationary Source Fuel Combustion	Industrial	Liquefied Petroleum Gas (LPG)	Total: All Boiler Types
21-03-007-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Liquefied Petroleum Gas (LPG)	Total: All Combustor Types

The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool) provided a base Liquified Petroleum Gas activity of 5,838 E3GAL (139 E3BBL) for industrial and 34,020 E3GAL (810 E3BBL) for commercial/ institutional. This base activity was reduced by state point reconciliation activity input of 54.849 E3GAL for industrial and 14.034 E3GAL for commercial/ institutional to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.13 of the 2017 NEI TSD.[42] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[40] RCSA § 22a-174-19b.
[41] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021.
[42] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021.

4.1.2.6 ICI Wood Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-008-000	Stationary Source Fuel Combustion	Industrial	Wood	Total: All Boiler Types
21-03-008-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Wood	Total: All Boiler Types

The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool) provided a base wood combustion activity of 921 E6BTU for industrial and 4,087 E6BTU for commercial/ institutional. Point reconciliation activity adjustments to avoid double counting of activity and emissions reported in the point sector were not required. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.13 of the 2017 NEI TSD.[43] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.2.7 ICI Kerosene Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-011-000	Stationary Source Fuel Combustion	Industrial	Kerosene	Total: All Boiler Types
21-03-011-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Kerosene	Total: All Combustor Types

The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool) provided a base Kerosene combustion activity of 1,638 E3GAL (39 E3BBL) for industrial and 168 E3GAL (13 E3BBL) for commercial/ institutional. Point reconciliation activity adjustments to avoid double counting of activity and emissions reported in the point sector were not required. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.13 of the 2017 NEI TSD.[44] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.3 Residential Fuel Combustion

4.1.3.1 Residential Coal Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-001-000	Stationary Source Fuel Combustion	Residential	Anthracite Coal	All Boiler Types
21-04-002-000	Stationary Source Fuel Combustion	Residential	Bituminous/ Subbituminous Coal	All Boiler Types

Coal is not utilized for residential heat in Connecticut. EPA's activity estimate is zero for Connecticut. Connecticut accepts the EPA Residential Coal Combustion emissions estimates. For more information on these estimates, please refer to

[43] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021.
[44] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2021.

Section 4.14 of the 2017 NEI TSD.[45] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.3.2 Residential Distillate Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-004-000	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total Boilers and IC Engines

Connecticut accepts the EPA estimates for residential distillate oil combustion. The EPA default 2017 sulfur concentrations of 500 ppm for residential distillate oil were consistent with General Statutes of Connecticut §16a-21a(a)(2) and did not require modification.[46]

For more information on these estimates, please refer to Section 4.14 of the 2017 NEI TSD.[47] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2016 NEI activity data for the State of Connecticut (used for the 2017 Inventory) was based on EIA SEDS Distillate Fuel Oil consumption data.[48] This data file can be accessed here. EIA Mnemonic Series Name (MSN) DFRCP (Distillate fuel oil consumed by the residential sector) were estimated at 7,870 E3BBL or 330,539 E3GAL in 2017.

The EPA county allocation shown in Table 4-5 was provided through support files found in the 2017 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2017 CT County House Heating Fuel 5-year estimates (Fuel Oil, Kerosene, etc).[49]

Table 4-5: 2017 County Allocation of Residential Distillate Oil and Kerosene Consumption

County	EPA County Allocation
Fairfield	23.4%
Hartford	20.3%
Litchfield	7.2%
Middlesex	6.6%
New Haven	22.2%
New London	10.3%
Tolland	5.4%
Windham	4.5%

[45] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2021. *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-187 to 4-196, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=262

[46] Conn. Gen. Stat. Sec. 16a-21a. 2014. https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a

[47] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2021.

[48] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)

[49] U.S. Census Bureau. Table Code B25040. 2017. https://data.census.gov/cedsci/table?q=B25040&g=0100000US_0400000US09%240500000&y=2017&tid=ACSDT5Y2017.B25040

4.1.3.3 Residential Residual Oil Combustion

The Residential Residual Oil Combustion SCC (21-04-005-000) was retired and not replaced by the EPA. Therefore, there was no EPA estimate for combustion of residual oil in the residential sector for Connecticut or any other state.

4.1.3.4 Residential Natural Gas Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-006-000	Stationary Source Fuel Combustion	Residential	Natural Gas	Total: Boilers and IC Engines

Connecticut accepts the EPA Residential Natural Gas Combustion emissions estimates. For more information on these estimates, please refer to Section 4.14 of the 2017 NEI TSD.[50] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2016 NEI activity data for the State of Connecticut (used for the 2017 Inventory) was based on EIA SEDS natural gas consumption data.[51] This data file can be accessed here. EIA MSN NGRCP (Natural gas consumed by (delivered to) the residential sector) was estimated at 48,431 MMCF.

The EPA county allocation shown in Table 4-6 was provided through support files found in the 2017 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2017 CT County House Heating Fuel 5-year estimates (Utility Gas).[52]

Table 4-6: 2017 County Allocation of Residential Natural Gas Consumption

County	EPA County Allocation
Fairfield	28.4%
Hartford	34.7%
Litchfield	2.5%
Middlesex	2.0%
New Haven	26.9%
New London	3.2%
Tolland	1.4%
Windham	1.0%

4.1.3.5 Residential LPG Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-007-000	Stationary Source Fuel Combustion	Residential	Liquefied Petroleum Gas (LPG)	Total: All Combustion Types

[50] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2021.
[51] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)
[52] U.S. Census Bureau. Table Code B25040. 2017.

Connecticut accepts the EPA Residential Liquified Petroleum Gas Combustion emissions estimates. For more information on these estimates, please refer to Section 4.14 of the 2017 NEI TSD.[53] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on 2016 EIA SEDS LPG consumption data, which indicated that 1,820 E3BBL (76,440 E3GAL) of LPG was consumed for residential use in 2016. [54] EIA data change descriptions indicated that a new MSN code of HLRCP (Hydrocarbon gas liquids consumed by the residential sector) and grouping starting in 2017. The former MSN used in previous inventories was LGRCP. The impact of the regrouping of the EIA fuel grouping is not clear and Connecticut has adopted the EPA activity and emissions estimates.

The EPA county allocation shown in Table 4-7 was provided through support files found in the 2017 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2017 CT County House Heating Fuel 5-year estimates (Bottled, tank, or LP gas).[55]

Table 4-7: 2017 County Allocation of Residential LPG Consumption

County	EPA County Allocation
Fairfield	21.3%
Hartford	20.3%
Litchfield	8.8%
Middlesex	8.5%
New Haven	17.7%
New London	11.8%
Tolland	7.3%
Windham	4.3%

[53] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2021.
[54] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)
[55] U.S. Census Bureau. Table Code B25040. 2017.

4.1.3.6 Residential Wood Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-008-100	Stationary Source Fuel Combustion	Residential	Wood	Fireplace: general
21-04-008-210	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; non-EPA certified
21-04-008-220	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; non-catalytic
21-04-008-230	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; catalytic
21-04-008-310	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, non-EPA certified
21-04-008-320	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, non-catalytic
21-04-008-330	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, catalytic
21-04-008-400	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: pellet-fired, general (freestanding or FP insert)
21-04-008-510	Stationary Source Fuel Combustion	Residential	Wood	Furnace: Indoor, cordwood-fired, non-EPA certified
21-04-008-530	Stationary Source Fuel Combustion	Residential	Wood	Furnace: Indoor, pellet-fired, general
21-04-008-610	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: outdoor
21-04-008-620	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: indoor
21-04-008-630	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: pellet-fired
21-04-008-700	Stationary Source Fuel Combustion	Residential	Wood	Outdoor wood burning device, NEC (fire-pits, chimneys, etc)
21-04-009-000	Stationary Source Fuel Combustion	Residential	Firelog	Total: All Combustor Types

Connecticut accepts the EPA Residential Wood Combustion emissions estimates. For more information on these estimates, please refer to Section 4.15 of the 2017 NEI TSD.[56] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[56] U.S. Environmental Protection Agency, "Fuel Combustion (Residential-Wood)". 2021. January 2021 Release of the 2017 NEI Technical Support Document, P 4-196 to 4-204, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=271

4.1.3.7 Residential Kerosene Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-011-000	Stationary Source Fuel Combustion	Residential	Kerosene	Total: All Combustor Types

Connecticut accepted the EPA kerosene combustion emissions estimates. General Statutes of Connecticut §16a-21a(a)(2) specifies sulfur limit of residential heating distillate oil of 500 ppm.[57] Table 19b-1 of RCSA § 22a-174-19b,"Fuel sulfur content limitations for stationary sources" specifies a 400 ppm SO_2 sulfur concentration. Emissions for kerosene reflect an average sulfur value of 400 ppm for 2017. This sulfur value is not a conservative assumption, but it does not correspond to significant emissions impact and it may reflect a probable reality due to the use of a common fuel supply system and the sulfur related regulations having a 500 ppm limit since July 2014 and significant further reductions (15 ppm) going into place in July 2018.

For more information on these estimates, please refer to Section 4.14 of the 2017 NEI TSD.[58] The annual estimates for this sector in 2017 are presented in Appendix I Table I 1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on EIA SEDS kerosene consumption data.[59] This data file can be accessed here. EIA MSN KSRCP (Kerosene consumed by the residential sector) were estimated at 13 E3BBL or 546 E3GAL.

The EPA county allocation previously shown in Table 4-5 was provided through support files found in the in the 2017 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2017 CT County House Heating Fuel 5-year estimates (Fuel Oil, Kerosene, etc). [60]

4.2 Storage & Transport (Gasoline and Fuel Distribution)

In general terms, gasoline distribution emission estimates are broken out in the numbered section groupings or alternatively into the following "stages":

Stage 1 gasoline distribution emissions are the emissions associated with gasoline handling excluding emissions from refueling activities. Stage I gasoline distribution includes the following gasoline emission points: 1) bulk terminals; 2) pipeline facilities; 3) bulk plants; 4) tank trucks; and 5) unloading at service stations. Emissions from Stage I gasoline distribution occur as gasoline vapors are released into the atmosphere. These Stage I processes are subject to EPA's maximum available control technology (MACT) standards for gasoline distribution.[61]

[57] Conn. Gen. Stat. Sec. 16a-21a. "Sulfur content of home heating oil and off-road diesel fuel". https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a
[58] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2021.
[59] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)
[60] U.S. Census Bureau. Table Code B25040. 2017.
[61] U.S. Environmental Protection Agency, "National Emission Standards for Source Categories: Gasoline Distribution (Stage I), 40 CFR Part 63." Office of Air Quality Planning and Standards, February 28, 1997. Pages 9087-9093. https://www.govinfo.gov/content/pkg/FR-1997-02-28/pdf/97-4885.pdf

Stage 2 involves the emissions from refueling activities, which could include filling of onroad or nonroad vehicles at the gasoline station pump, filling of portable fuel containers (PFC) at the gasoline station pump, or transfer of fuel from the tanker trucks into general aviation aircraft.[62]

4.2.1 Bulk Plants and Bulk Terminals

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-050-120	Storage and Transport	Petroleum and Petroleum Product Storage	Bulk Terminals: All Evaporative Losses	Gasoline
25-01-055-120	Storage and Transport	Petroleum and Petroleum Product Storage	Bulk Plants: All Evaporative Losses	Gasoline

A bulk gasoline terminal in 40 CFR § 63.11100 is defined as "any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank and has a gasoline throughput of 20,000 gallons per day or greater". Similarly, a bulk gasoline plant is defined as "any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank, and subsequently loads the gasoline into gasoline cargo tanks for transport to gasoline dispensing facilities and has a gasoline throughput of less than 20,000 gallons per day".[63]

Some of Section 4.7 of the 2017 NEI TSD apply to Connecticut nonpoint gasoline distribution data, but bulk plant and bulk terminal emissions were developed using an alternative method that is different from the EPA method. The Connecticut point emissions inventory does not have any current reported bulk plant SCC emissions and CT DEEP does not have any knowledge of any bulk plants within Connecticut state boundaries. All bulk gasoline storage appears to be covered by bulk terminals, which almost exclusively are accounted for as point sources. Reported 2017 point source bulk terminal activity and emissions are summarized in Table H-8 and an estimate of bulk terminal emissions not reported as point sources are presented in Appendix H Table H-9.

Bulk plant (SCC 25-01-055-120) area source emissions were set to zero for all counties and bulk terminal (SCC 25-01-050-120) were set to the Appendix H Table H-9 values. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.2.2 Aviation Gasoline, Stage 1 and 2 Distribution

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-080-050	Storage and Transport	Petroleum and Petroleum Product Storage	Airports: Aviation Gasoline	Stage 1: Total
25-01-080-100	Storage and Transport	Petroleum and Petroleum Product Storage	Airports: Aviation Gasoline	Stage 2: Total

[62] U.S. Environmental Protection Agency, "Aviation Gas", *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-89, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=164
[63] 40 CFR § 63.11100. 2011. https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.bbbbbb#se40.16.63_111100

Table 4-8: 2017 County-Level Aviation Gasoline Consumption Allocation [64]

County Name	County-Level AvGas Consumption [gal]	SEDS State AvGas Consumption [gal]
Fairfield	174,777	798,000
Hartford	204,343	798,000
Litchfield	36,115	798,000
Middlesex	33,834	798,000
New Haven	145,491	798,000
New London	72,423	798,000
Tolland	52,676	798,000
Windham	78,342	798,000
Total	798,000	

Connecticut accepts the EPA Stage 1 and 2 Aviation Gasoline emission estimates.[65] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

As shown in Table 4-8: County-Level Aviation Gasoline Consumption Allocation (2017) , the EPA 2017 NEI activity data for the State of Connecticut was based on CSV zip file data from EIA SEDS data set for Consumption in years 1960-Present.

Stage I distribution for aviation gasoline pertains to the displacement vapors between tank trucks and storage tanks during transfer; whereas Stage 2 distribution involves the transfer of fuel from tanker trucks into general aviation aircraft.[66] The calculations for estimating emissions from stage 1 and 2 aviation gasoline distribution involve first estimating the amount of aviation gasoline consumed in each county based on state-level aviation gasoline consumption data from the Energy Information Administration (EIA). State-level aviation gasoline consumption is distributed to the counties based on the proportion of Landing-Take Offs (LTOs) for piston driven aircraft. The total amount of gasoline consumed was used to estimate VOC and lead emissions. For more information on these estimates, please refer to Section 4.7 of the 2017 NEI TSD.

The 2017 methodology included no significant changes from the methodology used to calculate the 2014 v2 NEI emissions, except the Aviation Gasoline Distribution Stage 2 emission factor was significantly decreased. The Aviation Gasoline Distribution Stage 2 VOC emission factor for fuel transfer from tanker trucks to aircraft was decreased from a value of 1.36E-2 lbs. VOC/gallon AvGas used in the 2014 NEI to a value of 8.27E-4 lbs. VOC/gallon AvGas used in the 2017 NEI after reviewing the emission factor reference more carefully. [67]

[64] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)
[65] U.S. Environmental Protection Agency, "Aviation Gas", *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-93 to 4-122, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=168
[66] U.S. Environmental Protection Agency, "Aviation Gas", *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-89, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=164
[67] "Aviation Gas", P 4-121, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=196

4.2.3 Stage I Gasoline Distribution

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-060-051	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Submerged Filling
25-01-060-052	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Splash Filling
25-01-060-053	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Balanced Submerged Filling
25-01-060-201	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Underground Tank: Breathing and Emptying

Connecticut accepts EPA's Stage 1 Gasoline Distribution emissions estimates. For more information on these estimates, please refer to Section 4.7 of the 2017 NEI TSD.[68] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The calculations for estimating VOC and HAP emissions from gasoline service station unloading involve first calculating county-level total gasoline consumption by summing monthly onroad gasoline consumption and nonroad gasoline consumption in each county by fuel subtype. Monthly county-level gasoline consumption is then allocated to submerged, splash, and balanced filling technologies based on assumptions about the percentage of each filling technology used in each county. [69] Connecticut estimates used a conservative assignment of 5% submerged filling, 0% splash filling, and 95% balanced submerged filling. A conservative assignment of technology was used because the exact throughput of the limited number of small gasoline dispensing facilities is difficult to obtain. Connecticut regulation RCSA § 22a-174-20(a)(5) essentially requires submerged filling for all stationary-gasoline dispensing stations and RCSA § 22a-174-30a requires balanced submerged filling for any gasoline dispensing station with throughput over 10,000 gallons per month. [70,71]

[68] U.S. Environmental Protection Agency, "Stage 1 gasoline distribution", *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-93 to 4-122,://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=163
[69] U.S. Environmental Protection Agency, "Stage 1 gasoline distribution", *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-93 to 4-122,
[70] RCSA § 22a-174-20(a)(5). 2020. https://casetext.com/regulation/connecticut-administrative-code/title-22a-environmental-protection/abatement-of-air-pollution/section-22a-174-20-control-of-organic-compound-emissions.
[71] RCSA § 22a-174-30a. 2015. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174Section_22a-174-30a.

4.2.4 Stage II Refueling

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-01-00-0062	Mobile Sources	Highway Vehicles-Gasoline	Refueling	Total Spillage and Displacement
22-02-00-0062	Mobile Sources	Highway Vehicles-Diesel	Refueling	Total Spillage and Displacement

EPA provided an estimate of diesel refueling in the 2017 NEI data under SCC 22-02-00-0062. Connecticut accepts EPA's emission estimates for SCC 22-02-00-0062.

Connecticut Stage II gasoline emissions (SCC 22-01-00-0062) were estimated using the Connecticut specific MOVES run for the 2017 PEI. Reported point emissions (SCC 4-06-004-02) overlap with SCC 22-01-00-0062 emissions so point reconciliation was applied as described in this section. Stage II refueling emissions estimates are presented below and in Appendix I. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The requirement for Stage II gasoline vehicle fueling controls was eliminated in Connecticut by Public Act No. 13-120 on June 18, 2013 and became effective immediately.[72] This act immediately repealed the requirement to install and test Stage II vapor recovery systems and replaced it with language mandating the decommissioning of all Stage II systems by July 1, 2015. Because Stage II controls were either removed or not tested, Connecticut assigned the *refuelingVaporProgramAdjust* and *refuelingSpillProgramAdjust* inputs in the MOVES2014b countyyear table to correspond to no Stage II program (i.e. "0" for both fields) for each Connecticut county in 2017. This method to "turn-off" Stage II controls is consistent with guidance provided in Section 4.15 of the MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance. [73]

Table 4-9 contains the VOC annual and typical ozone season day emissions from Stage II gasoline vehicle fueling and Stage II diesel vehicle fueling after applying point source subtraction. Only gasoline summer day and annual refueling emissions were obtained from MOVES2014b model runs with point source subtraction applied, as the annual diesel refueling emissions estimates provided by EPA were thought to be adequate. Summer day stage II diesel refueling emissions estimates were obtained by multiplying the annual emissions times a historical used allocation factor (5.767 pounds per day / tons per year), which is calculated based on 26.24% of the VOC emissions occurring during the summer season. The gasoline annual and summer day refueling emissions were obtained directly from MOVES2014b using Stage II program adjustments described above together with other MOVES inputs described in Section 3 of this document.

Table 4-10 presents the emissions reductions applied as result of point source subtraction together with the point source SCC that was used to report the emissions. Only a single point source SCC was found to have a mapping and only the gasoline SCC 22-01-00-0062 needed to be adjusted for point source emissions for three facilities reported in 2017. Stage II refueling remains in Section 4 Area Sources of this document, because Stage II refueling is a fixed nonpoint source that

[72] State of Connecticut, "An Act Concerning Gasoline Recovery Systems Public", *Act No. 13-120*, 2013 https://www.cga.ct.gov/2013/act/pa/pdf/2013PA-00120-R00HB-06534-PA.pdf

[73] U.S. Environmental Protection Agency, "MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity", *EPA-420-B-18-039*, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100V7EY.txt

is assigned to the Gas Stations sector, that is estimated by the mobile model (MOVES2014b) and that also needs to be combined with point data for a clear representation of the applicable tier levels.

Table 4-9: 2017 Summary of Updated Nonpoint Vehicle Refueling Emissions (Point Reconciliation Included)

County Name	Gasoline Stage II Refueling SCC 22-01-00-0062		Diesel Stage II Refueling SCC 22-02-00-0062	
	VOC Annual Emissions [TPY]	VOC Summer Day Emissions [lb/day]	VOC Annual Emissions [TPY]	VOC Summer Day Emissions [lb/day]
Fairfield	224.35	1,779.38	9.89	57.03
Hartford	222.97	1,808.29	10.35	59.68
Litchfield	33.21	294.79	1.32	7.66
Middlesex	49.53	389.8	2.43	14.00
New Haven	204.63	1,633.84	9.78	56.38
New London	71.79	585.12	3.85	22.19
Tolland	38.95	318.73	2.19	12.62
Windham	37.86	315.65	1.63	9.40
Statewide Total	886.29	7,125.60	41.44	238.96

Table 4-10: 2017Point Source Subtraction Data for Gasoline Stage II Refueling

County Name	Point Source SCC	VOC Annual Emissions [TPY]	VOC Summer Day Emissions [lb/day]
Fairfield	4-06-004-02	0	0
Hartford	4-06-004-02	0.03	0.18
Litchfield	4-06-004-02	0	0
Middlesex	4-06-004-02	0	0
New Haven	4-06-004-02	0	0
New London	4-06-004-02	3.77	21.27
Tolland	4-06-004-02	0	0
Windham	4-06-004-02	0	0

4.2.5 Industrial Processes – Storage and Transfer – Truck or Pipeline

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-05-030-120	Storage and Transport	Petroleum and Petroleum Product Transport	Truck	Gasoline
25-05-040-120	Storage and Transport	Petroleum and Petroleum Product Transport	Pipeline	Gasoline

Connecticut accepts EPA's Storage and Transfer, Truck or Pipeline emission estimates. For more information on these estimates, please refer to Section 4.7 of the 2017 NEI TSD.[74] The annual estimates for this sector in 2017 are presented in Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[74] U.S. Environmental Protection Agency, "Nonpoint gasoline distribution", *January 2021 Release of the 2017 NEI Technical Support Document*, P 4-88 to 4-122, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=163

The EPA 2017 NEI activity data and apportionment for the State of Connecticut is also described in Section 4.7 of the 2017 NEI TSD.

4.2.6 Portable Fuel Containers Estimates

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-011-011	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Permeation
25-01-011-012	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Evaporation (includes Diurnal losses)
25-01-011-013	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Spillage During Transport
25-01-011-014	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump -Vapor Displacement
25-01-011-015	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump -Spillage
25-01-012-011	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Permeation
25-01-012-012	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Evaporation (includes Diurnal losses)
25-01-012-013	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Spillage During Transport
25-01-012-014	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump -Vapor Displacement
25-01-012-015	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump -Spillage

Portable fuel containers (PFC) are used for storage and transport of gasoline. PFC related emission processes include vapor displacement and spillage while refueling the gas can at the pump, spillage during transport, permeation and evaporation from the gas can during transport and storage, and vapor displacement and spillage while refueling equipment. Vapor displacement and spillage while refueling nonroad equipment from PFCs are included in the nonroad inventory.

Connecticut accepts the EPA Portable Fuel Containers emissions estimates. For more information on these estimates, please refer to Section 4.20 of the 2017 NEI TSD. [75] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[75] U.S. Environmental Protection Agency, "Portable Gas Cans", January 2021 Release of the 2017 NEI Technical Support Document, P 4-251 to 4-255, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=326

Key references for EPA Portable Fuel Container Emissions Factors include EPA reports (EPA420-R-07-001 & EPA-420-R-11-018) and a consultant report by Harold Haskew and Associates on Evaporative Emissions from In-Use Vehicles. [76, 77, 78]

4.3 Solvent Utilization

Section 4.25 of the 2017 NEI TSD discusses all nonpoint solvent sources except for agricultural pesticide application and asphalt paving which are found in Parts 4.4.5 and 4.3.6 of this this document, respectively. [79] These sections are discussed separately because the EPA methodologies for estimating the emissions are different.

SCCs in Parts 4.3.1 through 4.3.5 of this PEI were estimated using the EPA's 4/27/2020 Wagon Wheel and the procedures and data mappings described in the final 7/8/2019 Solvent Nonpoint Emissions Methodology and Operating instructions (NEMO) 2017. The activity data for solvent utilization varies by SCC; it is based on population data from the U.S. Census Bureau, lane miles data from the Federal Highway Administration, or employment data from the U.S. Census Bureau. In general, commercial and industrial solvent use are based on county level employment with county level point reconciliation. The specific SCCs that are estimated based on county level employment data are listed in Table 3 of the 2017 Solvent NEMO. The point reconciliation details are based on uncontrolled emissions and are shown in Appendix H Table H-10, Table H-11, and Table H-12. Connecticut accepts these EPA estimates which include point reconciliation data provided by Connecticut.

4.3.1 Solvent – Degreasing

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-15-000-000	Solvent Utilization	Degreasing	All Processes/ All Industries	Total: All Solvent Types

Table 4-11: 2017 County Allocation (Degreasing Solvents)

County	SCC 24-15-000-000 County Allocation
Fairfield	22.3%
Hartford	33.3%
Litchfield	5.2%
Middlesex	5.7%
New Haven	19.7%
New London	9.4%
Tolland	2.3%
Windham	2.1%

[76] U.S. Environmental Protection Agency, "Estimating Emissions Associated with Portable Fuel Containers (PFCs)", *EPA420-R-07-001*, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P1004LMT.txt.

[77] U. S. Environmental Protection Agency, 2011, "Hydrocarbon Composition of Gasoline Vapor Emissions from Enclosed Fuel Tanks", *EPA-420-R-11-018.* EPA Docket EPA-HQ-OAR-2011-0135, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100GPED.txt

[78] U. S. Environmental Protection Agency, 2010, "Evaporative Emissions from In-Use Vehicles: Test Fleet Expansion", *CRC E-77-2b*, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100XCJC.txt

[79] U.S. Environmental Protection Agency, "Solvents", January 2021 Release of the 2017 NEI Technical Support Document, P 4-286 to 4-306, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=361

County level employment for NAICS 3369//, 331///, 332///, 333///, 334///, 335///, 336///, 337///, 339///, 441///, 483///, 484///, 485///, 488///, 8111//, and 8112// (where slash (/) denotes a wildcard), was used to allocate emissions to Connecticut counties. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.2 Solvent – Dry Cleaning

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-20-000-000	Solvent Utilization	Dry Cleaning	All Processes	Total: All Solvent Types

Table 4-12: 2017 County Allocations (Dry Cleaning Solvents)

County	SCC 24-20-000-000 County Allocation
Fairfield	36.0%
Hartford	17.5%
Litchfield	4.4%
Middlesex	3.6%
New Haven	20.5%
New London	12.7%
Tolland	4.2%
Windham	1.1%

County level employment for NAICS 812320 was used to allocate emissions to Connecticut counties. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.3 Solvent – Graphic Arts

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-25-000-000	Solvent Utilization	Graphic Arts	All Processes	Total: All Solvent Types

Table 4-13: 2017 County Allocations (Graphic Arts Solvents)

County	SCC 24-25-000-000 County Allocation
Fairfield	22.3%
Hartford	38.2%
Litchfield	2.8%
Middlesex	0.9%
New Haven	26.6%
New London	3.1%
Tolland	2.0%
Windham	4.2%

County level employment for NAICS 32311/, 322211, 322212, 322219, 322220, 322230, 322291, and 322299 (where slash (/) denotes a wildcard), was used to allocate emissions to Connecticut counties. The annual estimates for this sector in 2017 are presented in Table I-1 and the estimates for a typical summer day are presented in Table I-2.

4.3.4 Solvent – Consumer & Commercial Solvent Use

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-60-100-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Personal Care Products	Total: All Solvent Types
24-60-200-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Household Products	Total: All Solvent Types
24-60-400-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Automotive Aftermarket Products	Total: All Solvent Types
24-60-500-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Coatings and Related Products	Total: All Solvent Types
24-60-600-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Adhesives and Sealants	Total: All Solvent Types
24-60-800-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All FIFRA Related Products	Total: All Solvent Types
24-60-900-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	Miscellaneous Products (Not Otherwise Covered)	Total: All Solvent Types

Table 4-14: 2017 County Allocations (Miscellaneous Non-industrial: Consumer and Commercial Solvent Utilization)

County	SCC 24-60-100-000, 24-60-200-000, 24-60-400-000, 24-60-500-000, 24-60-600-000, 24-60-800-000 and 24-60-900-000 County Allocation
Fairfield	26.5%
Hartford	25.0%
Litchfield	5.1%
Middlesex	4.6%
New Haven	24.0%
New London	7.5%
Tolland	4.2%
Windham	3.2%

County level population was used to allocate miscellaneous non-industrial: consumer and commercial solvent utilization emissions to Connecticut counties. For more information on these estimates, please refer to Section 4.23 of the 2017 NEI TSD. [80] The annual estimates for this sector in 2017 are presented in Appendix I Table I 1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[80] U.S. Environmental Protection Agency, "Solvents: Agricultural Pesticides", January 2021 Release of the 2017 NEI Technical Support Document, P 4-259 to 4-275, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=334

4.3.5 Solvent – Industrial Surface Coating & Solvent Use

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-01-001-000	Solvent Utilization	Surface Coating	Architectural Coatings	Total: All Solvent Types
24-01-005-000	Solvent Utilization	Surface Coating	Auto Refinishing: SIC 7532	Total: All Solvent Types
24-01-008-000	Solvent Utilization	Surface Coating	Traffic Markings	Total: All Solvent Types
24-01-015-000	Solvent Utilization	Surface Coating	Factory Finished Wood: SIC 2426 thru 242	Total: All Solvent Types
24-01-020-000	Solvent Utilization	Surface Coating	Wood Furniture: SIC 25	Total: All Solvent Types
24-01-025-000	Solvent Utilization	Surface Coating	Metal Furniture: SIC 25	Total: All Solvent Types
24-01-030-000	Solvent Utilization	Surface Coating	Paper: SIC 26	Total: All Solvent Types
24-01-040-000	Solvent Utilization	Surface Coating	Metal Cans: SIC 341	Total: All Solvent Types
24-01-055-000	Solvent Utilization	Surface Coating	Machinery and Equipment: SIC 35	Total: All Solvent Types
24-01-060-000	Solvent Utilization	Surface Coating	Large Appliances: SIC 363	Total: All Solvent Types
24-01-065-000	Solvent Utilization	Surface Coating	Electronic and Other Electrical: SIC 36-363	Total: All Solvent Types
24-01-070-000	Solvent Utilization	Surface Coating	Motor Vehicles: SIC 371	Total: All Solvent Types
24-01-075-000	Solvent Utilization	Surface Coating	Aircraft: SIC 372	Total: All Solvent Types
24-01-080-000	Solvent Utilization	Surface Coating	Marine: SIC 373	Total: All Solvent Types
24-01-085-000	Solvent Utilization	Surface Coating	Railroad: SIC 374	Total: All Solvent Types
24-01-090-000	Solvent Utilization	Surface Coating	Miscellaneous Manufacturing	Total: All Solvent Types
24-01-100-000	Solvent Utilization	Surface Coating	Industrial Maintenance Coatings	Total: All Solvent Types
24-01-200-000	Solvent Utilization	Surface Coating	Other Special Purpose Coatings	Total: All Solvent Types

Table 4-15: 2017 County Allocations (Surface Coating Solvent Utilization)

County	County Allocation of 24-01-XXX-000 [%]														
	001, 008 100, 200	005	015	020	025	030	040	055	060	065	070	075	080	085	090
Fairfield	26.5	24.4	21.2	18.9	3.0	0.9	0.0	31.9	0.0	16.0	6.4	32.4	0.2	0.0	23.0
Hartford	25.0	25.7	15.5	53.7	38.4	15.0	31.6	11.7	0.0	17.7	25.3	56.6	0.0	0.0	27.3
Litchfield	5.1	6.6	8.8	5.0	4.5	0.9	0.0	5.2	100.0	3.6	25.0	0.0	0.0	50.0	8.0
Middlesex	4.6	4.4	3.4	2.6	0.0	0.0	31.6	8.1	0.0	2.1	15.2	8.5	0.2	0.0	3.2
New Haven	24.0	23.4	26.9	15.0	51.0	68.2	31.6	13.1	0.0	38.2	26.3	1.7	0.8	50.0	31.5
New London	7.5	8.4	5.6	2.3	3.0	15.0	0.0	20.1	0.0	4.2	0.5	0.1	98.8	0.0	2.0
Tolland	4.2	4.5	4.9	1.7	0.0	0.0	5.3	8.4	0.0	2.5	1.2	0.0	0.0	0.0	1.9
Windham	3.2	2.5	13.7	0.7	0.0	0.0	0.0	1.6	0.0	15.7	0.2	0.7	0.0	0.0	3.0
Statewide	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

County level population was used to allocate Architectural Coatings, Traffic Markings, Industrial Maintenance Coatings and Other Special Purpose Coatings to Connecticut counties. County level employment was used to allocate other surface coating processes to Connecticut counties. The EPA tool implements county level apportionment using the following SCC to NAICS mappings to extract and process census employment data. Processing of census employment data is further explained in Section 4.25 of the 2017 NEI TSD.[81]

[81] U.S. Environmental Protection Agency, "Solvents: All other Solvets", January 2021 Release of the 2017 NEI Technical Support Document, P 4-286 to 4-306, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=361

Table 4-16: Surface Coating Solvent Utilization SCC to NAICS Mappings in Solvent Tool Employment based County Allocations

SCC	Solvent Tool Category Name	NAICS (where / represents a wildcard value)
2401005000	Automobile Refinishing	4411//, 4412//, and 81112/
2401015000	SC: Factory Finished Wood	321///
2401020000	SC: Wood Furniture and Fixtures	337110, 337121, 337122, 337127, 337211, 337212, and 337215
2401025000	SC: Metal Furniture	337124, 337127, 337214, and 337215
2401030000	SC: Paper, Film and Foil	322220
2401040000	SC: Metal Cans	33243/
2401055000	SC: Machinery and Equipment	3331//, 3332//, 3333//, and 33341/
2401060000	SC: Appliances	3352//
2401065000	SC: Electronic and Other Electrical Coatings	331318, 331420, 331491, 335311, 335921, and 335929
2401070000	SC: Motor Vehicles	3361//, 3362//, and 3363//
2401075000	SC: Aircraft	3364//
2401080000	SC: Marine coatings	3366// and 488390
2401085000	SC: Railroads	3365//
2401090000	SC: Misc. Manufacturing	3369// and 339///

Point source subtraction is handled using the EPA Solvent tool where Point SCCs are mapped to nonpoint SCCs.

The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in AppendixI Table I-2.

4.3.6 Asphalt Paving – Cutback and Emulsified

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-61-021-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Cutback Asphalt	Total: All Solvent Types
24-61-022-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Emulsified Asphalt	Total: All Solvent Types

Accepted EPA estimates that the annual emissions in Connecticut from cutback and emulsified asphalt are zero. Connecticut agrees with these estimates because Connecticut effectively prohibits the usage of cutback and emulsified asphalt containing greater than 0.1% VOC during the period of May 1st through September 30th in accordance with RCSA § 22a-174-20k.[82] For more information on these estimates, please refer to Section 4.24 of the 2017 NEI TSD.[83] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[82] RCSA § 22a-174-20k, "Restrictions on VOC emissions from cutback and emulsified asphalt", https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-20

[83] U.S. Environmental Protection Agency, "Solvents-Ashphalt Paving", January 2021 Release of the 2017 NEI Technical Support Document, P 4-276 to 4-286 , https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=351

4.4 Agriculture

4.4.1 Crops & Livestock Dust

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-000-003	Miscellaneous Area Sources	Agriculture Production-Crops	Agriculture-Crops	Tilling
28-05-001-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Beef cattle	Dust Kicked-up by Hooves
28-05-001-010	Miscellaneous Area Sources	Agriculture Production-Livestock	Dairy Cattle	Dust Kicked-up by Hooves
28-05-001-020	Miscellaneous Area Sources	Agriculture Production-Livestock	Broilers	Dust Kicked-up by Feet
28-05-001-030	Miscellaneous Area Sources	Agriculture Production-Livestock	Layers	Dust Kicked-up by Feet
28-05-001-040	Miscellaneous Area Sources	Agriculture Production-Livestock	Swine	Dust Kicked-up by Hooves
28-05-001-050	Miscellaneous Area Sources	Agriculture Production-Livestock	Turkeys	Dust Kicked-up by Feet

Connecticut opted to use the 2014 EPA estimates for Agricultural tilling (SCC 28-01-000-003) for Tolland County due to a discrepancy in activity data. This value is deemed to be acceptable on the basis of comparable crop production (sales) between year 2012 and 2017 according to the U.S. Department of Agriclture Quickstats used in EPA activity estimation.[84] For more information on these estimates, please refer to Section 4.3 of the 2017 NEI TSD.[85] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2. The EPA 2017 NEI activity data for the State of Connecticut was based on documents from the Midwest Research Institute and the U.S Department of Agriculture Soil Characterization Database.[86, 87, 88]

[84] U.S. Department of Agriculture. Quickstats NASS 2.0. https://quickstats.nass.usda.gov/results/60E1AF51-AFE8-3930-A5B2-82F3187378C6

[85] U.S. Environmental Protection Agency, "Agriculture-Crop and Livestock Dust", January 2021 Release of the 2017 NEI Technical Support Document, P 4-39 to 4-47 , https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=114

[86] U.S. Environmental Protection Agency. 1985. Compilation of Air Pollutant Emission Factors, 4th Edition, AP-42, Volume I: Stationary Point and Area Sources, page 11.2.2-1. https://www3.epa.gov/ttn/chief/ap42/oldeditions/4th_edition/ap42_4thed_orig.pdf

[87] Midwest Research Institute. 1981. The Role of Agricultural Practices in Fugitive Dust Emissions, page 117. Prepared for California Air Resources Board.

[88] U.S. Department of Agriculture, National Cooperative Soil Survey, NCSS Microsoft Access Soil Characterization Database https://ncsslabdatamart.sc.egov.usda.gov/

4.4.2 Livestock Waste

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-05-002-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Beef cattle production composite	Not Elsewhere Classified
28-05-007-100	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry production-layers with dry manure management systems	Confinement
28-05-009-100	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry production-broilers	Confinement
28-05-010-100	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry production - turkeys	Confinement
28-05-018-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Dairy cattle composite	Not Elsewhere Classified
28-05-025-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Swine production composite	Not Elsewhere Classified (see also 28-05-039, -047, -053)
28-05-035-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Horses and Ponies Waste Emissions	Not Elsewhere Classified
28-05-040-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Sheep and Lambs Waste Emissions	Total
28-05-045-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Goats Waste Emissions	Not Elsewhere Classified

Connecticut accepts the EPA Livestock Waste emissions estimates. For more information on these estimates, please refer to Section 4.5 of the 2017 NEI TSD.[89] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[89] U.S. Environmental Protection Agency, "Agriculture-Livestock Waste", January 2021 Release of the 2017 NEI Technical Support Document, P 4-57 to 4-77, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=128

The EPA 2017 NEI activity data for the State of Connecticut was based on multiple data sets from the United States Department of Agriculture (USDA), particularly the National Agricultural Statistics Service (NASS) survey and census and articles from Atmospheric Environmental.[90, 91, 92, 93]

4.4.3 Fertilizer Application

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-700-099	Miscellaneous Area Sources	Agriculture Production-Crops	Fertilizer Application	Miscellaneous Fertilizers

Connecticut accepts the EPA Fertilizer Application emissions estimates. For more information on these estimates, please refer to Section 4.4 of the 2017 NEI TSD.[94] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on models such as Community Multiscale Air Quality (CMAQ v5.3), CMAQ FEST-C, Weather Research Forecast (WRF), and Environmental Policy Integrated Climate (EPIC) model, as well as a Biogeosciences research article.[95, 96, 97, 98, 99]

[90] McQuilling, A. M. & Adams, P. J. 2015. Semi-empirical process-based models for ammonia emissions from beef, swine, and poultry operations in the United States. Atmos. Environ. 120, 127–136.
[91] Pinder, R., Strader, R., Davidson, C. & Adams, P. 2004. A temporally and spatially resolved ammonia emission inventory for dairy cows in the United States. Atmos. Environ. 38.23, 3747–3756.
[92] Pinder, R., Pekney, N., Davidson, C. & Adams, P. 2004. A process-based model of ammonia emissions from dairy cows: improved temporal and spatial resolution. Atmos. Environ. 38.9, 1357–1365.
[93] United States Department of Agriculture. 2017. National Agricultural Statistics Service. https://quickstats.nass.usda.gov/
[94] U.S. Environmental Protection Agency, "Agriculture-Fertilizer", January 2021 Release of the 2017 NEI Technical Support Document, P 4-37 to 4-45, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=124
[95] U.S. EPA Office of Research and Development and the Community Modeling and Analysis System Center. Community Multiscale Air Quality (CMAQ v5.3) model. https://www.epa.gov/cmaq
[96] University of North Carolina Community Modeling Analysis System Center. Fertilizer Emission Scenario Tool for CMAQ (FEST-C) system. https://www.cmascenter.org/fest-c/.
[97] National Center for Atmospheric Research. Weather Research Forecast (WRF) model. https://www.mmm.ucar.edu/weather-research-and-forecasting-model
[98] Texas Agriculture and Mechanical University. EPIC & APEX Models. https://epicapex.tamu.edu/.
[99] (Cooter, E. J., Bash, J. O., Benson, V., and Ran, L. 2012) Cooter, E.J., Bash, J.O., Benson V., Ran, L.-M.; 2012. Linking agricultural management and air-quality models for regional to national-scale nitrogen deposition assessments, Biogeosciences, 9, 4023-4035. https://www.biogeosciences.net/9/4023/2012/.

4.4.4 Field Burning

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-500-000	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Unspecified crop type and Burn Method
28-01-500-141	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Bean (red): Headfire Burning
28-01-500-150	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Corn: Burning Techniques Not Important
28-01-500-151	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Double Crop Winter Wheat and Corn
28-01-500-152	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Double Crop Corn and Soybeans
28-01-500-160	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Cotton: Burning Techniques Not Important
28-01-500-171	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Fallow
28-01-500-220	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Rice: Burning Techniques Not Significant
28-01-500-250	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Sugar Cane: Burning Techniques Not Significant
28-01-500-262	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Wheat: Backfire Burning
28-01-500-263	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Double Crop Winter Wheat and Cotton
28-01-500-264	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Double Crop Winter Wheat and Soybeans

Connecticut accepts the EPA agricultural field burning emissions estimates. For more information on these estimates, please refer to Section 4.12 of the 2017 NEI TSD.[100] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

According to the Connecticut Department of Agriculture, the activity of burning a whole field as described in the EPA SCCs and EPA Procedures document does not occur in Connecticut. Connecticut General Statutes (CGS) and Regulations of Connecticut State Agencies Section 22a-174(f) authorizes open burning of brush for agricultural purposes when a permit

[100] U.S. Environmental Protection Agency, "Fire-Agriculture and Field Burning", January 2021 Release of the 2017 NEI Technical Support Document, P 4-165 to 4-172, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=240

is obtained from the Open Burning Official for that municipal, except if prohibited by an ordinance of the municipality. [101] All agricultural burning that occurs in Connecticut are accounted for in this document under Section 4.9.2 Open Burning.

The low emissions attributed to agricultural burning do not support assignment of resources to produce Connecticut inventory estimates. [102, 103, 104, 105]

4.4.5 Pesticide

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-61-850-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Pesticide Application: Agricultural	All Processes

Connecticut accepts the EPA agricultural Pesticide emissions estimates. For more information on these estimates, please refer to Section 4.23 of the 2017 NEI TSD. [106] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on EPA document Pesticides-Agricultural and Nonagricultural, information from the California Department of Pesticide Regulation, and estimates from the U.S. Geological Survey.[107, 108, 109]

[101] Connecticut General Statutes, CGA § 22a-174(f). 2011. Powers of the Commissioner. https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174
[102] McCarty, J.L., S. Korontzi, C. O. Justice, and T. Loboda. 2009. The spatial and temporal distribution of crop residue burning in the contiguous United States.
Science of the Total Environment 407 (21), 5701- 5712
[103] McCarty, J. L. 2011. Remote Sensing-Based Estimates of Annual and Seasonal Emissions from Crop Residue Burning in the Contiguous United States. Journal of the Air & Waste Management Association 61 (1), 22-34.
[104] Pouliot, G., Rao, V., McCarty, J. L., and A. Soja. 2017. Development of the crop residue and rangeland burning in the 2014 National Emissions Inventory using information from multiple sources. Journal of the Air & Waste Management Association Vol. 67, Issue 5.
[105] U. S. Department of Agriculture. 2015a. USDA National Agricultural Statistics Service Cropland Data Layer for 2015. https://nassgeodata.gmu.edu/CropScape/
[106] U.S. Environmental Protection Agency, "Solvents-Agricultural Pesticides", January 2021 Release of the 2017 NEI Technical Support Document, P 4-259 to 4-275, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=334
[107] U.S. Environmental Protection Agency. 2001. Emissions Inventory Improvement Program, Vol. 3, Ch. 9, Pesticides - Agricultural and Nonagricultural, Section 5.1, p. 9.5-4. https://www.epa.gov/sites/production/files/2015-08/documents/iii09_jun2001.pdf.
[108] California Department of Pesticide Regulation. 2015. Emission Potential Database. CDPR_Emission_Potential_Database_10_2015.xlsx.
[109] U.S. Geological Survey. 2017. Archived preliminary county-level pesticide use estimates. https://water.usgs.gov/nawqa/pnsp/usage/maps/county-level/

4.5 Dust

4.5.1 Paved Roads

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-94-000-000	Mobile Sources	Paved Roads	All Paved Roads	Total: Fugitives
22-94-000-002	Mobile Sources	Paved Roads	All Paved Roads	Total: Sanding/ Salting-Fugitives

Connecticut accepts EPA's dust-paved road emissions estimates. For more information on these estimates, please refer to Section 4.10 of the 2017 NEI TSD. [110] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on statistics from the U.S. Federal Highway Administration and a report by E.H. Pechan & Associates on regional particulate strategies.[111, 112]

The EPA Emissions Factor for Paved Roads was based on AP-42, Section 13.2.1.[113]

4.5.2 Unpaved Roads

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-96-000-000	Mobile Sources	Unpaved Roads	All Unpaved Roads	Total: Fugitives

Connecticut accepts the EPA dust-unpaved road emissions estimates. For more information on these estimates, please refer to Section 4.11 of the 2017 NEI TSD.[114] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on statistics from U.S. Federal Highway Administration.[115, 116]

[110] U.S. Environmental Protection Agency, "Dust-Paved Road Dust", January 2021 Release of the 2017 NEI Technical Support Document, P 4-154 to 4-158, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=229
[111] U.S. Department of Transportation, Federal Highway Administration. 2016. Highway Statistics 2016. Table HM51. Office of Highway Policy Information. https://www.fhwa.dot.gov/policyinformation/statistics/2016/
[112] E.H. Pechan & Associates, Inc. "Phase II Regional Particulate Strategies; Task 4: Particulate Control Technology Characterization," draft report prepared for U.S. Environmental Protection Agency, Office of Policy, Planning and Evaluation. Washington, DC. June 1995.
[113] U. S. Environmental Protection Agency, Office of Air Quality Planning and Standards. 2011. "Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources, Section 13.2.1, Paved Roads."
[114] U.S. Environmental Protection Agency, "Dust-Unpaved Road Dust", January 2021 Release of the 2017 NEI Technical Support Document, P 4-159 to 4-165, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=234
[115] U.S. Department of Transportation, Federal Highway Administration. 2016. Highway Statistics 2016. Table HM51.
[116] Data provided to Abt Associates by Robert Rozycki, FHWA.

The EPA Emissions Factor for Unpaved Roads was based on EPA Compilation of Air Pollutant Emission Factors, AP-42, Section 13.2.2.[117]

4.5.3 Construction Dust

4.5.3.1 Residential Construction

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-11-010-000	Industrial Processes	Construction: SIC 15-17	Residential	Total

Connecticut accepts the EPA residential construction emissions estimates. For more information on these estimates, please refer to Section 4.9.3 of the 2017 NEI TSD.[118] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI residential construction emissions factor and activity data for the State of Connecticut was based on information for New Privately Owned Housing Units from the U.S. Census Bureau, reports from the Midwest Research Institute, and the U.S. Department of Agriculture Soil Characterization Database.[119, 120, 121, 122, 123, 124, 125] A portion of the Housing Units data was verified to match citation data.

Note: A 50% control was added to the 2017 NEI emissions estimates due to the water of construction sites.

4.5.3.2 Non-Residential Construction

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-11-020-000	Industrial Processes	Construction: SIC 15-17	Industrial/Commercial/ Institutional	Total

[117] U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. 2006. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources, Section 13.2.2, Unpaved Roads.
[118] U.S. Environmental Protection Agency, "Dust-Dust Construction", January 2021 Release of the 2017 NEI Technical Support Document, P 4-131 to 4-141, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=206
[119] U.S. Census Bureau. 2017. New Privately Owned Housing Units Started by Purpose and Design in 2017. https://www.census.gov/construction/nrc/pdf/quarterly_starts_completions.pdf
[120] U.S. Census Bureau. 2017. Value of Construction Put in Place 2017. https://www.census.gov/construction/c30/c30index.html
[121] U.S. Census Bureau, Annual Housing Units Authorized by Building Permits CO2017A. https://data.census.gov/cedsci/table?q=Housing%20Units&g=0400000US09%240500000&tid=ACSDT1Y2017.B25001
[122] U.S. Census Bureau, 2017 Characteristics of New Housing. Characteristics of New Single-Family Houses Completed, Annual 2017, 'Type of Foundation' Table. https://www.census.gov/construction/chars/pdf/c25ann2017.pdf
[123] Midwest Research Institute. 1996. Improvement of Specific Emission Factors (BACM Project No. 1). Prepared for South Coast Air Quality Management District.
[124] U.S. Department of Agriculture, National Cooperative Soil Survey, NCSS Microsoft Access Soil Characterization Database. https://ncsslabdatamart.sc.egov.usda.gov/
[125] Midwest Research Institute. 1999. Estimating Particulate Matter Emissions from Construction Operations, Final Report, Section 5.7.1. prepared for the Emission Factor and Inventory Group, Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. https://nepis.epa.gov/Exe/ZyPDF.cgi/9100KK1W.PDF?Dockey=9100KK1W.PDF

Connecticut accepts the EPA non-residential construction emissions estimates. For more information on these estimates, please refer to Section 4.9.4 of the 2017 NEI TSD. [126] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA-developed emissions factor for non-residential construction was based on the U.S. Census Bureau, the Midwest Research Institute (MRI) reports, and the U.S. Department of Agriculture Soil Characterization Database. [127, 128, 129, 130, 131,132]

Labor data utilized for allocation of emissions to county level were verified against employment data obtained from the U.S. Bureau of Labor Statistics (BLS) EMP-2017 in Table 4-14 below, paired with EPA-utilized employment survey data which accounts for the absolute number of employees in NAICS code 2362. The two data sets do not exactly match, however, the percent allocated to each county does not vary considerably between the two data sets.

Table 4-17: Employment Data for Non-Residential Construction- NAICS 2362 [133, 134]

County	EPA Data	BLS Emp-2017	EPA%	BLS%
Fairfield	1474	891	28.5%	18%
Hartford	1174	1306	22.7%	26%
Litchfield	260	327	5%	7%
Middlesex	253	143	4.9%	3%
New Haven	1014	1197	19.6%	24%
New London	733	653	14.2%	13%
Tolland	297	271	3.8%	5%
Windham	75	69	1.4%	1%
Unknown Or Undefined	-	162	-	3%
Statewide	**5180**	**5019**	**100%**	**100%**

Note: A 50% control was added to the 2017 NEI emissions estimates due to the water of construction sites.

[126] U.S. Environmental Protection Agency, "Dust- Non-Residential Construction", January 2021 Release of the 2017 NEI Technical Support Document, P 4-141 to 4-147, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=216

[127] U.S. Census Bureau. 2017. Value of Construction Put in Place 2017.

[128] Midwest Research Institute. 1999. Estimating Particulate Matter Emissions from Construction Operations.

[129] U.S. Census Bureau. 2017. Price Deflator (Fisher) Index of New Single-Family Houses Under Construction. https://www.census.gov/construction/nrs/pdf/price_uc.pdf

[130] U.S. Census Bureau, Annual Housing Units Authorized by Building Permits CO2017A.

[131] U.S. Department of Agriculture, National Cooperative Soil Survey, NCSS Microsoft Access Soil Characterization Database.

[132] Midwest Research Institute. 2006. Background Document for Revisions to Find Fraction Ratios Used for AP-42 Fugitive Dust Emissions Factors. Prepared for Wester Governors 'Association. https://www3.epa.gov/ttnchie1/ap42/ch13/bgdocs/b13s02.pdf

[133] U.S. Bureau of Labor Statistics. 2017. https://www.bls.gov/oes/2020/may/naics4_236200.htm

[134] U.S. Environmental Protection Agency. 2017. https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fgaftp.epa.gov%2Fair%2Fnei%2F2017%2Fdoc%2Fsupporting_data%2Fnonpoint%2FConstruction%2520Dust%2520-%2520Nonresidential%2520NEMO%25202017%2520FINAL_4-2%2520update.docx&wdOrigin=BROWSELINK

4.5.3.3 Road Construction

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-11-030-000	Industrial Processes	Construction: SIC 15-17	Road Construction	Total

Connecticut accepts the EPA road construction emissions estimates. For more information on these estimates, please refer to Section 4.9.5 of the 2017 NEI TSD. [135] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on statistics from the U.S. Federal Highway Administration, Florida Department of Transportation, and the U.S. Census Bureau.[136, 137, 138]

The EPA emissions factor for Road Construction was based on a report from the Midwest Research Institute and the U.S. Department of Agriculture Soil Characteristic Database.[139, 140, 141]

4.6 Oil and Gas Production

Appendix H Table H-13 provides a listing of areas source oil and gas production SCCs used by EPA in the 2017 NEI, please refer to Section 4.17 of the 2017 NEI TSD. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Connecticut does not have oil and gas production activity within the state, but a single oil and gas production SCC (3-10-003-07) was assigned to a natural gas distribution facility in Connecticut. This single process assignment was for source E0001 - Station Emergency Shutdown Device Natural Gas Venting at Iroquois Pipeline Operating Co facility (EIS Identifier 14621711, EIS State Identifier T028P0049C08044).

Connecticut accepts EPA's estimates for Connecticut's oil and gas production source category. EPA county level nonpoint emissions estimates for Connecticut's oil and gas production source category are not presented in Appendix I when emissions estimates were zero emissions for all pollutants and all counties.

[135] U.S. Environmental Protection Agency, "Dust-Road Construction", January 2021 Release of the 2017 NEI Technical Support Document, P 4-147 to 4-153, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=222
[136] Federal Highway Administration. Table SF-12A, State Highway Agency Capital Outlay -2014. https://www.fhwa.dot.gov/policyinformation/statistics/2014/sf12a.cfm
[137] Florida Department of Transportation. Generic Cost per Mile Models for 2018. https://www.fhwa.dot.gov/policyinformation/statistics/2014/sf12a.cfm
[138] U.S. Census Bureau, Annual Housing Units Authorized by Building Permits CO2017A.
[139] U.S. Department of Agriculture, National Cooperative Soil Survey, NCSS Microsoft Access Soil Characterization Database.
[140] Midwest Research Institute. 1996. Improvement of Specific Emission Factors.
[141] Midwest Research Institute. 1999. Estimating Particulate Matter Emissions from Construction Operations.

4.7 Other Industrial Processes and Residential Charcoal Grilling

4.7.1 Mining and Quarrying

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-25-000-000	Industrial Processes	Mining and Quarrying: SIC 14	All Processes	Total

Connecticut accepts the EPA Industrial Processes–Mining and Quarrying emissions estimates. For more information on these estimates, please refer to Section 4.16 of the 2017 NEI TSD.[142] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2017 NEI activity data for the State of Connecticut was based on the U.S. Geologic Survey 2012 Minerals Yearbook.[143] The 2012 Minerals Yearbook was downloaded and reviewed for Connecticut activity. The data utilized to calculate emissions in the EPA EIS spreadsheets closely matches the data downloaded from the USGS Mineral Yearbook 2012 [144].

State	Metal Production [Thousand Metric Tons]	Mineral Production [Thousand Metric Tons]	EPA EIA–Total Mineral Production [Thousand Metric Tons]	USGS–Mineral Yearbook 2017 [Thousand Metric Tons]
Connecticut	4,810	9,640	14,800	14,800

4.7.2 Commercial Cooking

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-02-002-100	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Charbroiling	Conveyorized Charbroiling
23-02-002-200	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Charbroiling	Under-fired Charbroiling
23-02-003-000	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Frying	Deep Fat Frying
23-02-003-100	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Frying	Flat Griddle Frying
23-02-003-200	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Frying	Clamshell Griddle Frying

[142] U.S. Environmental Protection Agency, "Industrial Process- Mining and Quarrying", January 2021 Release of the 2017 NEI Technical Support Document, P 4-204 to 4-215. https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=279

[143] U.S. Geologic Survey. Minerals Yearbook 2012. https://www.usgs.gov/centers/nmic/mining-and-quarrying#myb

[144] U.S. Department of Energy, Energy Information Administration. "Detailed data from the EIA-7A and the U.S. Mine Safety and Health Administration", data pulled for year 2017. https://www.eia.gov/coal/data.php.

Connecticut accepts the EPA Commercial Cooking emissions estimates. For more information on these estimates, please refer to Section 4.8 of the 2017 NEI TSD.[145] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The 2017 NEI EPA-developed emissions for the State of Connecticut was based on data from the Dun & Bradstreet (D&B) Hoovers Database and information from a California Air Resources Board (CARB) sponsored survey. The amount of french fries cooked by the foodservice industry was from a report prepared for Potatoes USA [146, 147, 148]

The total amount of meat or french fries cooked on each device is multiplied by emissions factors for CAPS including, VOC, CO, PM10 and PM25, and various HAPs to estimate emissions of these pollutants from commercial cooking. Emissions factors for CAPs and HAPs from commercial cooking are reported in Table 6 and Table 7 in the Commercial Cooking NEMO FINAL document . CAP emissions factors are taken from the article *Emissions from Charbroiling and Grilling of Chicken and Beef* and a South Coast Air Quality Management District Report (SCAQMD). HAP emissions factors are also from *Emissions from Charbroiling and Grilling of Chicken and Beef* and an EPA report on emissions from street vendor cooking devices. [149, 150, 151] There are no controls for this category.

4.7.3 Residential Charcoal Grilling

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-10-025-000	Miscellaneous Area Sources	Other Combustion	Residential Grilling*	Total

*See 23-02-002-XXX for Commercial

Connecticut accepts the EPA Residential Charcoal Grilling emissions estimates. For more information on these estimates, please refer to Section 4.19 of the 2017 NEI TSD.[152] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[145] U.S. Environmental Protection Agency, "Commercial Cooking", January 2021 Release of the 2017 NEI Technical Support Document, P 4-123 to 4-130. https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=198
[146] Dun and Bradford Hoovers database, 2018. http://www.hoovers.com/.
[147] Public Research Institute, 2001. Charbroiling Activity Estimation. Prepared for the California Air Resources Board and California EPA. https://www.arb.ca.gov/research/apr/reports/l943.pdf
[148] Technomic, 2017. Volumetric Assessment of the Foodservice Potato Market. Prepared for Potatoes USA. https://potatoesusa.com/research-reports/category/market-insights/
[149] McDonald, J., B. Zielinska, E. Fujita, J. Sagebiel, J. Chow, and J. Watson, 2003. "Emissions from Charbroiling and Grilling of Chicken and Beef." Journal of Air & Waste Management Association. 53:185-194.
[150] Norbeck, Joseph, 1997. Further Development of Emission Test Methods and Development of Emission Factors for Various Commercial Cooking Operations. Prepared for the South Coast Air Quality. https://www3.epa.gov/ttnchie1/old/ap42/ch09/s133/related/rel01_c09s1303.pdf
Management District.
[151] US EPA, 1999. Emissions from Street Vendor Cooking Devices (Charcoal Grilling). Prepared by ARCADIS Geraghty & Miller. https://www3.epa.gov/ttn/catc/dir1/mexfr.pdf
[152] U.S. Environmental Protection Agency, "Residential Charcoal Grilling", January 2021 Release of the 2017 NEI Technical Support Document, P 4-243 to 4-250. https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=318

The EPA 2017 NEI activity data for the State of Connecticut was based on data from the U.S. Census Bureau and reports from the Hearth, Patio, & Barbecue Association.[153, 154, 155, 156, 157]

The EPA emissions factor for Charcoal Grilling are from EPA's report, Emissions from Street Vendor Cooking Devices (Charcoal Grilling). There is also a separate emissions factor for VOC from lighter fluid, based on South Coast Air Quality Management District Rule 1174, Association. The HAP emission factors are speciation factors from the EPA SPECIATE database, which are speciation factors for charbroiling meat. [158, 159, 160]

4.8 Prescribed Burning and Wildfires (Events)

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-10-001-001	Miscellaneous Area Sources	Other Combustion-as Event	Forest Wildfires	Smoldering
28-10-001-002	Miscellaneous Area Sources	Other Combustion-as Event	Forest Wildfires	Flaming
28-11-015-001	Miscellaneous Area Sources	Other Combustion-as Event	Prescribed Forest Burning	Smoldering
28-11-015-002	Miscellaneous Area Sources	Other Combustion-as Event	Prescribed Forest Burning	Flaming

Connecticut accepts EPA's prescribed burning and wildfires event emission estimates as described in Section 7.1 of the 2017 NEI TSD. [161] The additional SCC 28-01-500-170 listed in the NEI TSD is not applicable to Connecticut and therefore not included. Event type source categories (prescribed burning and wildfires) emissions were available in the EIS 2017NEI

[153] U.S. Census Bureau. 2017. Community Facts. Housing, Selected Housing Characteristics, American Community Survey 5-Year Estimates (DP04). https://data.census.gov/cedsci/table?q=Community%20Facts,%20Housing,%20Selected%20Housing%20Characteristics&hidePreview=false&tid=ACSDP5Y2017.DP04&t=Housing&vintage=2018

[154] Kingsford email on the weight of their charcoal briquettes 4/11/2015.

[155] Hearth, Patio and Barbecue Association (HPBA), Statistics, BBQ Grill Shipments, accessed April 2015. https://www.hpba.org/Resources/Market-Research-Reports/view?barbecue-statistics=CopyofBBQGrillShipments8513.pdf.

[156] Hearth, Patio & Barbecue Association (HPBA), 2011 State of the Barbecue Industry Report, accessed April 2015. https://www.hpba.org/Resources/PressRoom/barbecue-industry/2011-state-of-the-barbecue-industry-report?searchterm=State%20of%20the%20Barbecue.

[157] Hearth, Patio & Barbecue Association (HPBA), 2014 State of the Barbecue Industry Report. https://www.hpba.org/Resources/PressRoom/barbecue-industry/2014-state-of-the-barbecue-industry-report?searchterm=2014%20State%20of%20the%20Barbecue%20Industry%20Report.

[158] U.S. Environmental Protection Agency. 1999. Emissions from Street Vendor Cooking Devices (Charcoal Grilling), EPA/600/SR-99/048. https://www3.epa.gov/ttn/catc/dir1/mexfr.pdf

[159] South Coast Air Quality Management District. October 5, 1990. "Rule 1174. "Control of Volatile Organic Compound Emissions from the Ignition of Barbecue Charcoal" accessed May 2015.

[160] U.S. Environmental Protection Agency. 2014. SPECIATE Database, version 4.4. Speciation profile 4553, meat charbroiling. Speciation profile was adjusted to be based on VOC, rather than total organic gases (TOG), by removing methane from the profile.

[161] U.S. Environmental Protection Agency, "Wild and Prescribed Fires", January 2021 Release of the 2017 NEI Technical Support Document, Pgs 7-1 to 7-24,- https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=468

file. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA used an improved satellite-based approach and added a distinction between grass and pasture burning processes. For wildfires and prescribed fires, the EPA used 2017-specific satellite data, and collected 2017-specific ground based observational data from many state forestry agencies. For these fires, the EPA also estimated the flaming and smoldering components of emissions separately and retained this delineation in the final inventory. Finally, the EPA revised several HAP emissions factors based on the peer reviewed literature.

Wildfires and prescribed burns (Wildland Fires in sum, WLFs) that occur during the inventory year are included in the NEI as event sources. Emissions from these fires, as well as agricultural fires, make up the National Fire Emissions Inventory (NFEI). For the 2017 NFEI, the EPA calculated emissions from agricultural fires separately from WLF emissions as described separately in Sections 4.12 and 7.1 of the 2017 NEI TSD.[162]

Wildland fire activity is categorized by the conditions under which the fire occurs. These conditions influence important aspects of fire behavior, including smoke emissions. In the 2017 NEI, data processing is conducted differently depending on the fire type, as defined below:

- Wildfire (WF): "any fire started by an unplanned ignition caused by lightning; volcanoes; other acts of nature; unauthorized activity; or accidental, human-caused actions, or a prescribed fire that has developed into a wildfire."
- Prescribed (Rx) fire: "any fire intentionally ignited by management actions in accordance with applicable laws, policies, and regulations to meet specific land or resource management objectives." Prescribed fire is one type of fuels treatment. Fuels treatments are vegetation management activities intended to modify or reduce hazardous fuels. Fuels treatments include prescribed fires, wildland fire use, and mechanical treatment.

Agricultural burning is a type of prescribed fire, specifically used on land used or intended to be used for raising crops or grazing. This is dealt with in a different section of this document. Pile burning is a type of prescribed fire in which fuels are gathered into piles before burning. In this type of burning, individual piles are ignited separately. Pile burn emissions are not currently included in the NEI due to lack of usable data and methods. EPA continues to work to develop methods for estimating emissions of this source type.

4.9 Waste Disposal & Recycling

4.9.1 Greenwaste Composting

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-80-003-000	Waste Disposal, Treatment, and Recovery	Composting	Greenwaste	All Processes

Section 4.26 of the 2017 NEI TSD defines EPA Greenwaste composting as including the diversion of yard waste, food waste, and other biogenic waste (not included in this estimate) from landfills to composting facilities. This source

[162] U.S. Environmental Protection Agency, "Fires- Agricultural Field Burning", January 2021 Release of the 2017 NEI Technical Support Document, Pgs 4-165 to 4-172,- https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=240

category does not include the composting of biosolids from wastewater treatment plants, manure management facilities, or backyard composting.[163]

Table 4-18: Food waste composting in Connecticut for 2017 NEI[164]

State	Food Composted [Tons]	Data Year
Connecticut	4,644	2013

The EPA county allocation was based on the number of landfill employees per county under the assumption that greenwaste composting facilites are co-located with solid waste landfills. In the absence of exact employment data, a facility is given a code in the U.S Census Buerau's 2016 County Business Paterns that corresponds to a range that the number falls within for NAICS Code 562212. The EPA recommends using the midpoint of the range to assign the county allocation.

Table 4-19: Compost County Allocations for 2017 NEI [165]

County	Employment Code	Employment Ranges	Midpoint	County Allocation
Fairfield	-	-	-	-
Hartford	B	20-99	60	0.75
Litchfield	-	-	-	-
Middlesex	-	-	-	-
New Haven	A	0-19	10	0.125
New London	A	0-19	10	0.125
Tolland County	-	-	-	-
Windham County	-	-	-	-

Connecticut accepted the EPA's estimates for the greenwaste composting source category in Connecticut. The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.9.2 Open Burning

4.9.2.1 Yard Waste – Brush and Leaves

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-10-000-100	Waste-Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste-Leaf Species Unspecified
26-10-000-400	Waste-Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste-Brush Species Unspecified

[163] U.S. Environmental Protection Agency, "Greenwaste Composting", January 2021 Release of the 2017 NEI Technical Support Document, Pgs 4-307 to 4-314, https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=382

[164] U.S. EPA. 2016. "Food Waste Management in the United States", 2014. Office of Resource Conservation and Recovery, Pg 5, https://www.epa.gov/sites/default/files/2016-12/documents/food_waste_management_2014_12082016_508.pdf#page=5

[165] U.S. Census Bureau. "2016 County Business Patterns", https://www.census.gov/content/census/en/data/datasets/2016/econ/cbp/2016-cbp.html

The 2017 NEI TSD describes open burning of yard waste debris as "the purposeful burning of leaf and brush species in outdoor areas". Section 4.27.3 of the 2017 NEI TSD outlines the EPA procedure for estimating emissions for land clearing debris. EPA emissions estimates for leaf and brush waste burning are a function of the amount of waste burned per year.[166]

Connecticut accepted the EPA's estimates for the open burning of brush in Connecticut. Connecticut updated county level emissions to reflect zero activity and zero emissions in Connecticut for open burning of leaf debris consistent with Connecticut regulations.

Connecticut regulates open burning under CGS 22a-174(f) which requires permits for open burning to be issued prior to open burning activities in Connecticut.[167] Connecticut regulations forbid the burning of leaves. Connecticut regulations allow the burning of brush on residential property conducted by the resident of the property or the agent of the resident. For these reasons Connecticut set the emissions from the burning of leaves to zero and accepted EPA's estimates for the burning of brush.

The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2. The leaf emissions estimates for open burning of leaves are zero, which is consistent with Connecticut regulations.

4.9.2.2 Open Burning of Land Clearing Debris

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-10-000-500	Waste-Disposal, Treatment, and Recovery	Open Burning	All Categories	Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)

The 2017 NEI TSD describes open burning of land clearing debris as "the purposeful burning of debris, such as trees, shrubs, and brush, from the clearing of land for the construction of new buildings and highways".[168] Section 4.27.4 of the 2017 NEI TSD outlines the EPA procedure for estimating emissions for land clearing debris. EPA emissions estimates from open burning of land clearing debris are a function of the amount of material or fuel subject to burning per year.

Connecticut accepted the EPA's county level emissions estimates, which reflect zero activity and zero emissions in Connecticut for open burning of land clearing debris consistent with Connecticut state regulations.

Connecticut regulates open burning under CGS 22a-174(f). Open burning to clear land of debris is not allowed and a permit must be issued prior to other types of open burning activities which are allowed in Connecticut.[169]

The nonpoint emissions estimates in Appendix I are zero for this SCC, consistent with Connecticut regulations.

[166] U.S. Environmental Protection Agency, "Open Burning", January 2021 Release of the 2017 NEI Technical Support Document, P 4-316 to 4-321, https://www.epa.gov/sites/default/files/202102/documents/ nei2017_tsd_full_jan2021.pdf#page=391
[167] CGS § 22a-174(f), "Powers of the Commisioner", 2011, https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174
[168] U.S. Environmental Protection Agency, "Land Clearing", January 2021 Release of the 2017 NEI Technical Support Document, P 4-321 to 4-339, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=396
[169] CGA § 22a-174(f), "Powers of the Commisioner".

4.9.2.3 Household Waste

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-10-030-000	Waste-Disposal, Treatment, and Recovery	Open Burning	Residential	Household Waste (use 26-10-000-XXX for Yard Wastes)

The 2017 NEI TSD describes open burning of residential municipal solid waste (MSW) as "the purposeful burning of MSW in outdoor areas".[170] Section 4.27.5 of the 2017 NEI TSD outlines the EPA procedure for estimating emissions for land clearing debris. EPA emissions estimates for MSW burning are a function of the amount of waste burned annually per capita.[171]

Connecticut updated nonpoint county level emissions for SCC 26-10-030-000 to reflect zero activity and zero emissions for Connecticut open burning of residential municipal solid waste consistent with Connecticut state regulations.

Connecticut regulates open burning under CGS 22a-174(f). Open burning of MSW is not allowed and a permit must be issued prior to other types of open burning activities which are allowed in Connecticut.[172]

The nonpoint emissions estimates presented in Appendix I are zero for this SCC, consistent with Connecticut state regulations.

4.9.3 Publicly Owned Treatment Works (POTW)

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-30-020-000	Waste-Disposal, Treatment, and Recovery	Wastewater Treatment	Public Owned	Total Processed

Connecticut accepts the EPA POTW emission estimates. Connecticut followed directions provided in the EPA Nonpoint Emissions Methodology and Operation instructions (NEMO) and provided point source reported POTW activity template input to EPA in support of accurate NEI emission estimates.[173] Section 4.28 of the 2017 NEI TSD documents the EPA methodology.[174] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[170] U.S. Environmental Protection Agency, "Household Waste", January 2021 Release of the 2017 NEI Technical Support Document, P 4-339 to 4-347, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=414

[171] U.S. Environmental Protection Agency. 2011. Municipal Solid Waste Generation, Recycling, and Disposal 4-347 in the United States: Facts and Figures for 2010—Fact Sheet, p. 4, https://archive.epa.gov/epawaste/nonhaz/municipal/web/pdf/msw_2010_factsheet.pdf

[172] CGA § 22a-174(f), "Powers of the Commisioner".

[173] U.S. Environmental Protection Agency. "Publicly Owned Treatment Works". 2017. Nonpoint Emissions Methodology and Operation instructions (NEMO) https://gaftp.epa.gov/air/nei/2017/doc/supporting_data/nonpoint/POTWs%20NEMO%20FINAL_4-2%20updated.docx

[174] U.S. Environmental Protection Agency, "Nonpoint POTW", January 2021 Release of the 2017 NEI Technical Support Document, Pgs 4-347 to 4-351, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=422

The EPA changed the 2017 emission calculation methodology. County-level flow rates in 2017 were determined by summing facility-level data to the county-level rather than using the method used in 2014. The EPA 2014 methodology allocated the national flow rate to counties based on the ratio of county population to US population.

The point SCCs used in the past for POTW point source reconciliation (SCCs 5-01-007-01 through 5-01-007-81 and 5-01-007-91 through 5-01-825-99) were reviewed against the EPA SCC list. The SCC comparison evaluation included a complete list of all SCC with a SCC Level Two of "Solid Waste Disposal – Government". SCC 50100789 was excluded from the original list due it being a gas flare process. This point POTW SCC reconciliation list was considered adequate and was used. A search of the EMIT database was conducted for these SCCs for the 2017 reporting period and five sources were identified and listed below in Table 4-20.

Table 4-20: POTW Point Source Subtraction Facility with Emission Unit Point Identifier

Site Name	County Name	Point Identifier	SCC	Reported Flow Rate (E6GAL)
MDC /Hartford WPCF	Hartford	E0002	5-01-007-01	18,733.89
MDC /Hartford WPCF	Hartford	E0003	5-01-007-01	177.04
Manchester-Landfill Premises	Hartford	E0009	5-01-007-01	2,120.6
Kimberly-Clark Corp.	Litchfield	E0013	5-01-007-01	1,097.7
Kimberly-Clark Corp.	Litchfield	E0014	5-01-007-01	953.8

The total annual POTW activity reported for 2017 emissions statement reporting are shown below. The two sources in Litchfield were eliminated from POTW point source subtraction, because an industrial wastewater point SCC rather than a POTW SCC should have been applied to those sources. This reconciliation eliminates double counting of emissions and is performed as a procedural element of preparing an accurate emissions inventory. The emissions presented in Appendix I reflect an appropriate reduction of associated emissions amounts or a zero value when reported point activity for a county is greater than the allocated nonpoint county estimate.

Table 4-21: 2017 Annual Point Reported POTW Activity

FIPS State and County Code	County	Point Reported Flow Rate	Units
09003	Hartford	21,031.54	E6GAL

4.9.4 Nonpoint Non-Combustion-Related Mercury Sources – Including Human Cremation

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-20-030-001	Waste Disposal, Treatment, and Recovery	Landfills	Municipal	Dumping/Crushing/ Spreading of New Materials (working face)
26-50-000-000	Waste Disposal, Treatment, and Recovery	Scrap and Waste Materials	Scrap and Waste Materials	Total: All Processes
26-50-000-002	Waste Disposal, Treatment, and Recovery	Scrap and Waste Materials	Scrap and Waste Materials	Shredding

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-10-060-100	Miscellaneous Area Sources	Other Combustion	Cremation	Humans
28-10-060-200	Miscellaneous Area Sources	Other Combustion	Cremation	Animals
28-50-001-000	Miscellaneous Area Sources	Health Services	Dental Alloy Production	Overall Process
28-51-001-000	Miscellaneous Area Sources	Laboratories	Bench Scale Reagents	Total
28-61-000-000	Miscellaneous Area Sources	Fluorescent Lamp Breakage	Non-recycling Related Emissions	Total
28-61-000-010	Miscellaneous Area Sources	Fluorescent Lamp Breakage	Recycling Related Emissions	Total

EPA includes the following mercury emission categories under the heading of nonpoint non-combustion-related mercury sources. Landfills (working face), Switches and Relays, Fluorescent Lamp Breakage, Dental Amalgam, General Laboratory Activities, Thermostats, Thermometers, Fluorescent Lamp Recycling, and Batteries are described in Section 4.2 of the EPA 2017 TSD. Human and animal cremation estimates include CAPs as well as mercury and are discussed later in Section 4.18 of the 2017 NEI TSD. SCCs 28-10-060-100 and 28-10-060-200 are the only SCCs where EPA estimated non-zero criteria pollutant emissions and therefore are the only SCCs included in Appendix I

Point source reconciliation for crematory emissions was not required for 2017 emission estimates. While Connecticut has permitted human and animal crematories, human and animal crematory emissions were not reported in the stationary point sources inventory.

Connecticut accepts EPA emissions estimates for emissions calculated by the EPA's Mercury Tool. For more information on these estimates, please refer to Section 4.18 of the 2017 NEI TSD.[175] The annual estimates for this sector in 2017 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Updates in 2017 EPA methodology include switching human cremation to a per weight versus a per body basis and the inclusion of non-mercury emission estimates for animal cremation. The 2014 methodology for the estimation of emissions from human cremation for mercury emissions from cremation of blood and tissues was in units of per cremation, where the 2017 EPA methodology used the same emissions factor, but converted it to a per-ton emissions factor. The per-ton human cremation for mercury emissions factor was multiplied by the number of tons cremated in each county. The most significant difference for animal cremation is that EPA now estimates emissions of pollutants other than mercury. In the 2017 methodology, EPA uses the emissions factors for cremation of human blood and tissues to estimate emissions from animals. The animal cremation emission estimates are low and round to zero in the in Appendix I Table I-1 and Appendix I Table I-2.

[175] U.S. Environmental Protection Agency, "Cremation", January 2021 Release of the 2017 NEI Technical Support Document, Pgs 4-231 to 4-243, https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=306

4.9.5 CT Landfill Emissions Estimates

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-20-030-000	Waste Disposal, Treatment, and Recovery	Landfills	Municipal	Total

Methane (CH_4) and carbon dioxide (CO_2) are the primary constituents of landfill gas and are produced by anaerobic decompositions of refuse in solid waste landfills. Landfill gas also contains a very small amount of non-methane organic compounds (NMOC). This NMOC fraction contains photochemically reactive and non-reactive VOC. The AP-42 Section 2.4 guidance for estimating VOC emissions from MSW landfills, released November, 1998 was used to estimate the emissions for this category (26-20-030-000-Municipal Solid Waste Landfills).[176]

CT DEEP created an inventory of VOC emissions from MSW landfills as an initial step in the implementation of the emissions guidelines and new source performance standards for MSW landfills (MSW landfills compliance study).[177] This inventory contains the following information for each landfill in Connecticut: an estimate of the waste in place; the year the landfill opened; the year it was closed if it is no longer accepting waste; whether the landfill accepted industrial hazardous waste; and the amount of NMOC emitted in 1999. The NMOC emissions estimates in the MSW landfills compliance study used the regulatory default value for total NMOC of 4,000 ppmv, expressed as hexane. This regulatory default value was developed for regulatory compliance purposes and should not be used to estimate actual emissions.

The intent of the Periodic Inventory is to estimate actual emissions. AP-42 Section 2.4 lists default NMOC concentrations for the purpose of estimating actual emissions depending on the type of waste the landfill accepted. According to AP-42, if no site specific data are available and the landfill is known to have co-disposed of MSW and non-resident waste, a default (NMOC) value of 2,420 ppmv as hexane, should be used to estimate actual emissions. If the landfill is known to contain only MSW or have very little organic commercial/industrial wastes, then the total NMOC value of 595 ppmv as hexane should be used. In addition, for co-disposal landfills, AP-42 estimates that 85% of the NMOC is made up of photochemically reactive VOC. For non-codisposal landfills only 39% of the NMOC are made up of photochemically reactive VOC. In the MSW landfills compliance study, facilities which reported receiving industrial hazardous waste were considered co-disposal landfills. All other facilities were considered non-codisposal. The same designation will be used for this inventory. If a facility reported receiving industrial hazardous waste, then a default VOC value of 2,060 ppmv as hexane was used. For all other landfills a VOC value of 235 ppmv as hexane was used.[178]

The amount of waste in place at each landfill was obtained from the MSW landfills compliance study. There were five landfills that reported the amount of ash in place (Hartford, New Haven, Groton, Bristol, and Shelton). In the MSW landfills compliance study the amount of waste in place at these five landfills included the ash.[151] Since ash is a nondegradable refuse, the amount of ash was subtracted from the amount of waste in place for these five landfills. The Montville SCRRA Ash landfill contains only ash, therefore, the amount of waste in place was set to zero. Review of the survey data against data presented in the Landfill Methane Outreach Program (LMOP) Project and Landfill Data for Connecticut resulted in

[176] U.S. Environmental Protection Agency. Municipal Solid Waste Landfills, AP-42, Vol 1, Ch 2.4. 1998. https://www3.epa.gov/ttnchie1/ap42/ch02/final/c02s04.pdf
[177] Koschwitz, S. Description of Establishment of Municipal Solid Waste Landfill Inventory. 1998. Connecticut Department of Environmental Protection.
[178] U.S. Environmental Protection Agency. AP-42, Vol 1, Ch 2.4. 1998.

increasing the amount of waste in place from 5,300,619 MG to 6,700,000 tons for the New Milford Landfill. All other waste in place data was found to be consistent or conservative.

In 2017 there were no landfills in Connecticut accepting municipal solid waste (MSW). The Windsor-Bloomfield landfill was the last landfill accepting MSW and the landfill stopped accepting MSW in 2015. There were 8 landfills that actively accepted construction and demolition waste but no MSW in 2017. These landfills are as follows: Avon; Canaan; Essex; Lyme; Manchester; North Stonington; Salem; Suffield. It was assumed for the purpose of estimating emissions that these 8 landfills were closed when they stopped accepting MSW.

To determine the average annual refuse acceptance rate (R) the waste in place (not including the ash) was divided by the number of years the landfill accepted waste.

It was assumed that landfills emit NMOC 365 days uniformly throughout the year.

The annual estimates for this sector in 2017 are presented in Table I-1 and the estimates for a typical summer day are presented in Table I-2.

Equations 1, 3, and 4 in AP-42 Section 2.4 were combined resulting in the following equation, which was used to estimate the daily NMOC emissions from landfills in Connecticut:[179, 180, 181]

$$E_{unctrl} = (7.062 \times 10^{-9}) \times L \times R \times VOC \times \left(e^{(-kc)} - e^{(-kt)} \right) \times \left(\frac{2{,}000\ lbs\ per\ ton}{365\ days\ per\ year}\right)$$

Where:

E_{unctrl}= uncontrolled mass emissions of VOC as hexane, lbs/day
7.062 x10^{-9}= conversion factor, assuming 55% of landfill gas is CH_4 and 45% is CO_2, N_2, and other constituents, and expresses VOC as hexane
L= methane generation potential, m^3 CH_4/Mg refuse (EPA default = 100 m^3/Mg)
R= average annual refuse acceptance rate during active life Mg/yr
VOC= concentration of VOC in landfill gas, parts per million by volume (ppmv)
e= base log, unitless
k= methane generation rate constant, yr^{-1} (EPA default = 0.04/yr)
c= time since landfill closure, yrs (c = 0 for active landfills)
t= time since the initial refuse placement, yrs
2,000= conversion factor 2,000 pounds per ton
365= 365 days per year of operation
A sample calculation of the daily pounds of uncontrolled VOC emissions from the Hartford Landfill is:

[179] U.S. Environmental Protection Agency. "Air Emissions from Municipal Solid Waste Landfills - Background Information for Proposed". 1991. Office of Air Quality Planning and Standards. EPA-450/3-90-011a. https://nepis.epa.gov/Exe/ZyPDF.cgi/9100AEYT.PDF?Dockey=9100AEYT.PDF
[180] Zison, S. Landfill gas production curves: myths vs. reality. in Proceedings of GRCDA/SWANA Landfill Meeting. 1990. Vancouver, Canada
[181] Pelt RL. Memorandum: Methodology Used to Revise the Model Inputs in the Municipal Solid Waste Landfills Input Data Bases (Revised), prepared for the Municipal Solid Waste Landfills Docket A-88-09(IV-M-4) April 28, 1993.

$$E_{\text{unctrl}} = (7.062 \times 10^{-9}) \times 100 \times 106{,}566 \times 19{,}564.25 \times \left(e^{(-0.04\times30)} - e^{(-0.04\times62)}\right) \times \left(\frac{2000}{365}\right)$$

E_{unctrl} = 203.49 pounds VOC per day

A sample calculation of the daily pounds of uncontrolled VOC emissions from the Manchester Landfill is:

$$E_{\text{unctrl}} = (7.062 \times 10^{-9}) \times 100 \times 98{,}483 \times 2{,}366.91 \times \left(e^{(-0.04\times18)} - e^{(-0.04\times65)}\right) \times \left(\frac{2000}{365}\right)$$

E_{unctrl} = 32.61 pounds VOC per day

The emissions generated by the AP-42 equation listed above do not take into account the VOC emissions removed by control equipment. There were about eight landfills that had control equipment in use in 2017. Only one of these landfills, Manchester, is a Title V source and is required to report their after control emissions to the DEEP every year, see Table 4.9.5-1. The VOC's removed by controls were subtracted from the uncontrolled VOC emissions estimates for this landfill. The 2017 after control emissions for the remaining seven landfills were not part of the point inventory, so no adjustments were made to their uncontrolled emissions estimates or corresponding VOC/methane combustion products.

The VOC after control emissions for the Manchester landfill are already accounted for in the point source section of this inventory, therefore, these emissions will not be included in the area source inventory. The daily amount of VOC's removed by controls for these two landfills were estimated using the following equation:

$$Erem = \frac{VOCcntrl}{1 - EFF}$$

Where:

Erem= daily VOC emissions removed by control equipment, expressed in pounds per day
EFF=VOC control efficiency
VOCcntrl=daily VOC emissions exiting control equipment, expressed in pounds per day
A sample calculation for the pounds of VOC removed by the control equipment at the Manchester Landfill is:

$$\text{Erem} = \frac{0.075}{1 - 0.99}$$

Erem = 7.50 pounds VOC removed per day

Tables 4.9.5-2 through 4.9.5-9 contain the VOC annual and typical ozone season day emissions from municipal solid waste landfills for each county in Connecticut. The emissions from municipal solid waste landfills occur seven days a week uniformly throughout the year. The equation used to calculate daily VOC emissions for this category is as follows:

$$E = E_{unctrl} - Erem$$

Where:

E = daily landfill VOC emissions expressed in pounds per day
E_{unctrl} = daily uncontrolled VOC emissions expressed in pounds per day
Erem = daily VOC emissions removed by control equipment, expressed in pounds per day

A sample calculation for the Manchester Landfill is:

E = 32.61 – 7.5
E = 25.11 pounds of VOC per day

Table 4.9.5-1
Summary of Landfills that Reported Having Used Control Equipment in 2017

Landfill	Control Efficiency	Annual VOC After Control (Tons/year)	Daily VOC After Control (Tons/day)	Annual Emissions Removed by Control (Ton/year)	Daily Emissions Removed by Control (Tons/day)	Controlled Emissions In Point Section of SIP
Manchester Sanitary LF	99.00%	0.013	0.075	1.3	7.5	Yes
		0.013	**0.075**	**1.3**	**7.5**	

Table 4.9.5-2
Summary of VOC Emissions From Municipal Solid Waste Landfills
County: Fairfield

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Danbury Landfill	Yes	1900 - 12/31/96	30,844.32	0.00	0.00	20.94	114.73
Fairfield Landfill	No	1950s - 1988	23,903.74	0.00	0.00	1.10	6.04
New Canaan Landfill	No	1930s - 1994	2,721.56	0.00	0.00	0.22	1.21
New Fairfield Disposal Area	No	early 1940s - 12/30/91	960.55	0.00	0.00	0.00	0.00
Newtown Landfill	No	1971 - 10/93	12,370.72	0.00	0.00	0.55	3.02
North Canaan Landfill	No	1906(?) - 1994(?)	618.54	0.00	0.00	0.00	0.00
Redding Landfill	No	1962 - 6/94	6,115.27	0.00	0.00	0.33	1.81
Ridgefield Landfill	No	1929(?) - 1980	747.09	0.00	0.00	0.00	0.00
Seaside Park Landfill	Yes	1938 - 1993(?)	11,291.99	0.00	0.00	6.17	33.81
Shelton CRRA Landfill	Yes	early 1960s - 1987	45,359.30	0.00	0.00	24.91	136.47
Stratford Landfill	No	1946 - 1983(?)	13,571.38	0.00	0.00	0.44	2.42
Fairfield County Total			**148,504.45**			**54.66**	**299.50**

Table 4.9.5-3

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: Hartford

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Avon Landfill	No	1972 - 1994	24,988.85	0.00	0.00	1.10	6.04
Bristol Landfill	Yes	1950 - 2/28/97	11,561.80	0.00	0.00	7.05	38.65
Burlington Landfill	No	1966 - 1991(?)	13,165.87	0.00	0.00	0.55	3.02
East Granby Landfill	No	8/69 - 6/94	979.76	0.00	0.00	0.00	0.00
East Hartford Landfill	No	1983 - 1987	217,724.60	0.00	0.00	1.76	9.66
Enfield Landfill	No	1967 - 1/94	47,232.41	0.00	0.00	2.31	12.68
Farmington Landfill	No	1933(?) - 1988	12,370.72	0.00	0.00	0.66	3.62
Granby Landfill	No	1953 - 1995(?)	2,521.39	0.00	0.00	0.11	0.60
Hartford CRRA Landfill	Yes	1955 - 1987	106,566.01	0.00	0.00	37.14	203.49
Hartland Landfill	No	1977- 1992	2,219.59	0.00	0.00	0.11	0.60
Manchester Sanitary Landfill	No	1952 - 1999	98,483.02	1.30	7.50	4.65	25.11
Marlborough Municipal Landfill	No	1960 - 1993	10,545.34	0.00	0.00	0.55	3.02
NORCAP Regional Landfill	No	3/75 - 7/96	112,318.27	0.00	0.00	5.07	27.78
Plainville Landfill	No	1950 - 1994	9,896.57	0.00	0.00	0.55	3.02
Simsbury Landfill	No	1920 - 1995	4,265.12	0.00	0.00	0.33	1.81
Suffield Municipal Landfill	No	1977 - 4/8/94	22,852.73	0.00	0.00	0.77	4.23
Windsor-Bloomfield Sanitary Landfill	Yes	7/5/72 - 2015	68,603.12	0.00	0.00	83.31	456.50
Hartford County Total			**766,295.15**	**1.30**	**7.50**	**146.04**	**799.83**

Table 4.9.5-4

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: Litchfield

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Barkhamsted-New Hartford Landfill	Yes	4/74 - 10/93	26,315.79	0.00	0.00	8.60	47.10
Bethlehem Landfill	No	1941 - 1988	1,966.11	0.00	0.00	0.11	0.60
Canaan Landfill	No	1952(?) - 1994(?)	1,554.19	0.00	0.00	0.11	0.60
Cornwall Municipal Landfill	No	1952(?) - 1995	3,234.83	0.00	0.00	0.22	1.21
Kent Landfill	No	1946 - 10/93	1,218.09	0.00	0.00	0.11	0.60
Litchfield Landfill	No	8/77 - 3/94 (?)	28,092.68	0.00	0.00	0.99	5.43
Morris Landfill	No	1967 - 1994(?)	3,546.51	0.00	0.00	0.22	1.21
New Milford Landfill	Yes	1965 - 9/29/95	202,604.87	0.00	0.00	94.11	515.68
Norfolk Landfill	No	1938 - 10/93	6,786.98	0.00	0.00	0.44	2.42
Plymouth Landfill	No	1950(?) - 1974	19,992.65	0.00	0.00	0.44	2.42
Roxbury Landfill	No	1960(?) - 1/1/91	1,521.74	0.00	0.00	0.11	0.60
Torrington Landfill	Yes	1930 - 11/26/94	13,024.35	0.00	0.00	7.71	42.27
Washington Landfill	No	early 1940s (?) - 10/94	942.47	0.00	0.00	0.11	0.60
Litchfield County Total			**310,801.27**			**113.29**	**620.74**

Table 4.9.5-5

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: Middlesex

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
East Haddam Landfill	No	late 1930s(?) - 1978(?)	7,546.65	0.00	0.00	0.22	1.21
Essex Landfill & Recycling	No	1950(?) - 1996(?)	2,171.53	0.00	0.00	0.11	0.60
Middlefield-Durham Landfill	No	1971 - 1989	13,955.03	0.00	0.00	0.44	2.42
Middletown North End Peninsula LF	No	1953 - 1997(?)	18,290.80	0.00	0.00	1.21	6.64
Portland Municipal Landfill	No	5/67 - 1994(?)	9,676.65	0.00	0.00	0.44	2.42
Westbrook Landfill	No	1955 - 1987	7,175.11	0.00	0.00	0.33	1.81
Middlesex County Total			**58,815.77**			**2.76**	**15.10**

Table 4.9.5-6

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: New Haven

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Branford Landfill	No	1960 - 1995	34,742.90	0.00	0.00	1.98	10.87
Cheshire Landfill	No	1970 - 1989	36,043.28	0.00	0.00	1.10	6.04
Derby Landfill	No	1962 - 9/93	30,334.95	0.00	0.00	1.54	8.45
Front Street (Helm Street) Landfill	No	1967(?) - 1989(?)	55,411.45	0.00	0.00	1.98	10.87
Hamden Landfill	No	early 1970s - 11/88(?)	11,041.81	0.00	0.00	0.33	1.81
Madison Bulky Waste Site	No	12/68 - 1997	7,409.79	0.00	0.00	0.44	2.42
Meriden Landfill	No	1937(?) - 1/89	29,937.13	0.00	0.00	1.54	8.45
New Haven Landfill	No	early 1940s -1998	41,579.36	0.00	0.00	1.98	10.87
North Branford Landfill	No	1958 - 1987(?)	12,503.30	0.00	0.00	0.44	2.42
North End Disposal Area Landfill	No	1955 - 10/31/96	131,271.68	0.00	0.00	8.38	45.89
North Haven Landfill	No	1964 - 1993	33,221.77	0.00	0.00	1.54	8.45
Oxford Landfill	No	1976 - 7/30/88	14,469.61	0.00	0.00	0.33	1.81
Prospect Landfill	No	early 1960s(?) - 2/28/88	7,882.50	0.00	0.00	0.33	1.81
Seymour Landfill	No	1968 - 1997(?)	19,375.99	0.00	0.00	1.10	6.04
Southbury Landfill	No	1931 - 3/87	5,018.04	0.00	0.00	0.22	1.21
Spring Street Landfill	No	1908 - 1989(?)	23,551.35	0.00	0.00	1.32	7.25
Wallingford CRRA Landfill	No	early 1960s (?) - 1995	18,046.26	0.00	0.00	0.99	5.43
Woodbridge Landfill	No	1968 - 4/9/94	3,812.61	0.00	0.00	0.22	1.21
New Haven County Total			**515,653.79**			**25.79**	**141.30**

Table 4.9.5-7

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: New London

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Adelman Landfill	No	10/77 - 1994	13,376.20	0.00	0.00	0.44	2.42
Bronson Landfill	No	1963 - 8/92	6,811.87	0.00	0.00	0.33	1.81
Colchester Landfill	No	1960 - 10/94	3,682.11	0.00	0.00	0.22	1.21
East Lyme Landfill	No	1948 - 1992(?)	4,698.94	0.00	0.00	0.22	1.21
Groton MSW Landfill	No	1956 - 10/9/94	41,778.30	0.00	0.00	2.42	13.28
Lebanon Landfill	No	1971(?) - 10/2/93	45,152.39	0.00	0.00	1.87	10.27
Ledyard Landfill	No	1950s(?) - 1995	5,236.71	0.00	0.00	0.33	1.81
Lyme Landfill	No	1950s(?) - 1994(?)	30,669.89	0.00	0.00	1.87	10.27
Montville Landfill	No	1966 - 10/94(?)	4,182.00	0.00	0.00	0.22	1.21
Montville SCRRRA Ash Landfill	No	1993 - present	0.00	0.00	0.00	0.00	0.00
North Stonington Landfill	No	1955 - 1991	6,056.57	0.00	0.00	0.33	1.81
Norwich Landfill	No	1974 - 1997	19,763.60	0.00	0.00	0.99	5.43
Norwich State Hospital Ash Landfill	No	early 1940s - 1985(?)	221.79	0.00	0.00	0.00	0.00
Preston Landfill	No	1957 - 1994(?)	5,761.32	0.00	0.00	0.33	1.81
Salem Landfill	No	1966 - 1995(?)	10,618.77	0.00	0.00	0.55	3.02
Sprague Landfill	No	1955 - 1993(?)	7,469.26	0.00	0.00	0.44	2.42
Stonington Landfill	No	10/68 - 1994 (?)	29,348.04	0.00	0.00	1.43	7.85
Waterford Refuse Disposal Area	No	1968 - 1996(?)	11,208.25	0.00	0.00	0.55	3.02
New London County Total			**246,036.00**			**12.56**	**68.84**

Table 4.9.5-8

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: Tolland

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Andover Landfill	No	1950 - 1994	5,572.97	0.00	0.00	0.33	1.81
Columbia Landfill	No	1949 - 1994	435.44	0.00	0.00	0.00	0.00
Coventry Landfill	No	1942 - 10/9/93	4,847.58	0.00	0.00	0.33	1.81
Ellington CRRA Landfill	No	1976 - 6/29/93	69,901.70	0.00	0.00	2.42	13.28
Hebron Landfill	No	1963 - 1995	19,579.34	0.00	0.00	1.10	6.04
Mansfield Bulky Waste Landfill	No	1966 - 1994(?)	12,348.04	0.00	0.00	0.66	3.62
Somers Landfill	No	1954 - 1994(?)	9,905.60	0.00	0.00	0.55	3.02
Stafford Landfill	No	early 1960s - 6/94	3,957.82	0.00	0.00	0.22	1.21
UConn Landfill	No	1966 - 1996(?)	7,783.65	0.00	0.00	0.44	2.42
Willington Landfill	No	1978 - 10/93(?)	10,704.79	0.00	0.00	0.33	1.81
Tolland County Total			**145,036.93**			**6.39**	**35.02**

Table 4.9.5-9

Summary of VOC Emissions From Municipal Solid Waste Landfills

County: Windham

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Brooklyn Municipal Landfill	No	1967 - 1994	5,846.31	0.00	0.00	0.33	1.81
Donahue Landfill	No	1964(?) - 1994(?)	3,991.80	0.00	0.00	0.22	1.21
Killingly Landfill	No	early 1970s(?) - 1995	19,595.21	0.00	0.00	0.99	5.43
Putnam Landfill	No	1968 - 6/28/97	29,862.05	0.00	0.00	1.65	9.06
Thompson Landfill	No	1956 - 1991	11,772.68	0.00	0.00	0.55	3.02
Windham Landfill	No	1946(?) - 1996(?)	27,215.57	0.00	0.00	1.87	10.27
Woodstock Landfill	No	mid-1940s - 4/96	4,574.41	0.00	0.00	0.33	1.81
Yaworski Regional Landfill	No	1950 - 1994	26,346.99	0.00	0.00	1.87	10.27
Windham County Total			**129,205.04**			**7.82**	**42.87**

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Section 5 Biogenic Sources

Connecticut accepts the EPA biogenic emissions estimates as published in the 2017 NEI, which only included VOCs, NO_X, and CO. For more information on these estimates, please refer to Section 4.6 of the 2017 NEI v1 TSD.[182] The annual estimates for this sector in 2017 are presented in Table 5-1 and the estimates for a typical summer day are presented in Table 5-2.

County SCC-level emissions data were provided through EPA's EIS, 2017 NEI Final V1 dataset, while the 2017 NEI Data – Data Summaries page "Biogenics" link (2017nei_beld5_biogenics_report.xlsx) data file provided county-sector emissions data. Data in the dataset was consistent with the data file, which confirmed that the unit of measure for the data file was tons.

Summer day emissions were calculated from an average daily estimate of the June, July and August emissions presented on the 2017 NEI Data – Data Summaries page "Biogenics" link (2017nei_beld5_biogenics_report.xlsx) data file. Employing the same column names from the data file, the equation used to calculate the summer day emissions becomes as follows:

$$E_i = 2000 * \frac{jun\ value_i + jul\ value_i + aug\ value_i}{days}$$

Where:

E_i = Total biogenic emissions of pollutant I in pounds per day for a county

2000 = Conversion factor of pounds per ton

$jun\ value_i$ = Total biogenic emissions of pollutant I in tons for a county in the month of June.

$jul\ value_i$ = Total biogenic emissions of pollutant I in tons for a county in the month of July.

$aug\ value_i$ = Total biogenic emissions of pollutant I in tons for a county in the month of August.

$days$ = Total numbers of days in the months of June, July, and August (92 days)

A sample calculation of VOC emissions in Fairfield County is shown for data from the file as follows:

$$E_i = 2000 * \frac{1760.8364 + 2214.35 + 1644.613}{92\ days} = 122{,}170\ \frac{lb\ VOC}{day}$$

[182] U.S Environmental Protection Agency, "Biogenics". January 2021 Release of the 2017 NEI Technical Support Document.Pgs 4-82 to 4-88. https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf#page=157

Table 5-1: 2017 Annual Emissions of Biogenic Sources

County	Annual Emissions [TPY]		
	VOC	NO_X	CO
Fairfield	8,577	60	892
Hartford	7,776	133	932
Litchfield	11,091	88	1,195
Middlesex	7,053	46	646
New Haven	7,943	76	854
New London	10,190	71	903
Tolland	6,343	55	624
Windham	7,987	57	738
Connecticut	**66,960**	**586**	**6,786**

Table 5-2: 2017 Summer Day Emissions of Biogenic Sources

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	122,170	501	10,536
Hartford	109,466	1,131	10,957
Litchfield	156,117	745	14,146
Middlesex	101,245	382	7,588
New Haven	113,241	636	10,063
New London	147,150	589	10,591
Tolland	90,399	464	7,368
Windham	114,384	472	8,680
Connecticut	**954,173**	**4,919**	**79,928**

Section 5 References

184. U.S Environmental Protection Agency, “Biogenics”. January 2021 Release of the 2017 NEI Technical Support Document.Pgs 4-82 to 4-88. https://www.epa.gov/sites/default/files/202102/documents/nei2017_tsd_full_jan2021.pdf#page=157.

Section 6 Quality Assurance Audit

6.0 Introduction

The 2017 periodic Ozone and $PM_{2.5}$ State Implementation Plan (SIP) emission inventory document was reviewed for clarity, completeness, comparability, and reasonableness. Inventories were completed for all required source categories: stationary point sources, stationary area sources, on-road mobile sources, non-road mobile sources, and biogenic sources. The inventories address annual emissions for volatile organic compounds (VOC), oxides of nitrogen (NOx), carbon monoxide (CO), sulfur dioxide (SO_2), ultra-fine particulate matter ($PM_{2.5}$ primary), fine particulate matter (PM_{10} primary), ammonia (NH_3), and lead. Typical high ozone summer day emissions of ozone precursor emissions (i.e., VOC, NO_X, and CO) are presented for all source categories.

A comparison of emissions reported in the 2014 periodic emissions inventory (PEI) and the 2017 PEI is presented in Table 6-1 below. As expected, the ozone precursor emissions have decreased from 2014 to 2017. In comparison to the 2014 emissions, the 2017 statewide emissions estimates appear reasonable.

2017 PEI emission estimates for certain sectors were compared with EPA's 2017 National Emissions Inventory (NEI) to ensure that there were no major discrepancies between the state and EPA inventories. The full detail data files for the Point, Nonpoint, Nonroad, and On-road source categories are located at EPA's 2017 NEI webpage. Data from the 2017 NEI was also accessed and downloaded from EPA's Emissions Inventory System (EIS Gateway).

Table 6-1: Ozone Precursor Emissions by County 2014 and 2017 PEI

	2014 PEI			2017 PEI		
County	**CO [tpy]**	**VOC [tpy]**	**NO_X [tpy]**	**CO [tpy]**	**VOC [tpy]**	**NO_X [tpy]**
Fairfield	96,600	26,972	16,627	85,132	22,670	11,585
Hartford	85,181	27,308	15,281	73,532	22,525	10,531
Litchfield	25,743	14,546	2,880	20,999	14,840	1,955
Middlesex	20,778	10,257	4,077	17,427	9,842	2,784
New Haven	76,267	24,418	13,821	64,715	20,603	9,258
New London	30,448	15,476	6,626	24,322	15,533	4,969
Tolland	16,273	9,371	2,452	12,480	8,463	1,528
Windham	14,380	10,544	2,180	12,727	10,244	1,612
State Total	**365,670**	**138,892**	**63,944**	**311,334**	**124,720**	**44,222**

Emissions are expected to be higher in areas of higher population because of higher levels of economic activity and transportation related emissions. As shown in Table 6-2, emissions for all pollutants, with the exception of NH_3, are the highest for Fairfield, Hartford, and New Haven Counties. County emissions are roughly consistent with the percent of state population.

Table 6-2 County Population and Emissions

County	2017 estimated population	% of Total Population	CO [TPY]	% of Total CO	VOC [TPY]	% of Total VOC	NO_X [TPY]	% of Total NOx	PM_{10}-PRI (tons/yr)	% of Total PM_{10}-PRI
Fairfield	949,921	26%	85,132	27%	22,670	18%	11,585	26%	4,782	21%
Hartford	895,388	25%	73,532	24%	22,525	18%	10,531	24%	4,833	21%
Litchfield	182,177	5%	20,999	7%	14,840	12%	1,955	4%	2,703	12%
Middlesex	163,410	5%	17,427	6%	9,842	8%	2,784	6%	1,335	6%
New Haven	860,435	24%	64,715	21%	20,603	17%	9,258	21%	3,819	16%
New London	269,033	7%	24,322	8%	15,533	12%	4,969	11%	2,759	12%
Tolland	151,461	4%	12,480	4%	8,463	7%	1,528	3%	1,475	6%
Windham	116,359	3%	12,727	4%	10,244	8%	1,612	4%	1,588	7%
State Total	**3,588,184**	**100%**	**311,334**	**100%**	**124,720**	**100%**	**44,222**	**100%**	**23,294**	**100%**

Table 6-2 (Continued)

County	2017 estimated population	% of Total Population	$PM_{2.5}$-PRI [TPY]	% of Total PM2.5-PRI	NH_3 [TPY]	% of Total NH3	SO_2 [TPY]	% of Total SO_2	Lead [TPY]	% of Total Lead
Fairfield	949,921	26%	2,309	22%	702	13%	751	30%	0.433	25%
Hartford	895,388	25%	2,290	22%	1,102	21%	525	21%	0.437	25%
Litchfield	182,177	5%	1,001	10%	706	13%	117	5%	0.152	9%
Middlesex	163,410	5%	656	6%	289	5%	184	7%	0.069	4%
New Haven	860,435	24%	1,914	18%	766	14%	454	18%	0.278	16%
New London	269,033	7%	1,039	10%	558	11%	273	11%	0.166	9%
Tolland	151,461	4%	586	6%	473	9%	86	3%	0.089	5%
Windham	116,359	3%	647	6%	691	13%	87	4%	0.127	7%
State Total	**3,588,184**	**100%**	**10,442**	**100%**	**5,286**	**100%**	**2,477**	**100%**	**1.753**	**100%**

Note: Source of Population Estimate: https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/Population/Town-Pop/pop_towns2017pdf.pdf

Point Source QA/QC Audit

Section 2 "Stationary Point Sources" provides a thorough discussion describing the methods and procedures used to generate Connecticut's 2017 Point Source Inventory, including a history of the state's point source inventory, a thorough explanation of CT DEEP's EMIT emission reporting system, and example calculations for selected source categories (i.e. fuel burning source, gasoline loading facility). The process implemented to generate the 2017 Point Source Inventory is clearly communicated.

The point source emissions inventory included all stationary commercial and industrial facilities that were major sources during calendar year 2017. These sources were required to submit emissions statements reporting actual 2017 emissions. A review of the facilities located in Table C-1of Appendix C found the table to be complete.

A comparison of 2017 PEI and EPA's 2017 NEI point source emissions is presented in Table 6-3. While EPA's point source data file included airport emissions data, Connecticut's airport emissions were included in the non-road mobile source emissions. These data were, therefore, removed from the point source data prior to summing the emissions for each pollutant. The NEI emissions for NH_3, PM_{10}, and $PM_{2.5}$ have differences of approximately 20 tons per year.

The calculation routines used by EMIT have been thoroughly tested and shown to be correct. In addition, EMIT contains a number of validation checks to ensure that the value entered into a field is within an acceptable range. Therefore, further checks of the data were determined to be unnecessary.

Table 6-3: Compairsion of PEI and NEI Point Source Emissions

Pollutant	2017 PEI Table 2-1 [TPY]	2017 NEI [TPY]	Difference between NEI & PEI [TPY]
Lead	0.333	0.228	-0.105
CO	1,507.88	1,502.18	-5.70
NH_3	474.74	452.61	-22.13
NO_X	4,614.89	4,606.53	-8.36
PM_{10}-PRI	452.40	432.16	-20.24
$PM_{2.5}$-PRI	431.35	411.65	-19.70
SO_2	766.03	767.12	1.09
VOC	923.74	937.66	13.92

6.1 Mobile Source QA/QC Audit

6.1.1 On-Road Mobile Sources

On-road mobile source emissions were estimated by CT DEEP using the latest version (2014b) of the recommended mobile source model, the MOtor Vehicle Emission Simulator (MOVES). The on-road mobile source emissions provided by CT DEEP differ than emissions provided by the 2017 NEI, which uses certain default inputs instead of state-submitted data. Instead, CT DEEP runs the MOVES model on inventory mode for every county in Connecticut using local temperature and humidity data. A comparison of 2017 PEI and 2017 NEI on-road emissions is presented in Table 6-4, below. The largest difference between the two inventories is in CO emission estimates.

Table 6-4: Comparison of PEI and NEI On-road Emissions.

Pollutant	PEI Table 3-1 [TPY]	NEI [TPY]	Difference between NEI & PEI [TPY]
VOC	13,596	14,010	414
NO_X	17,520	20,397	2,877
CO	151,363	161,754	10,391
PM_{10}-PRI	1,317	1,679	362
$PM_{2.5}$-PRI	331	654	323
NH_3	97	280	183
SO_2	856	1,466	610
Lead	0	0	0

Table 6-5 compares county-level PEI ozone precursor emissions to county population. County emissions are highest in the most populous counties. This is consistent with the expectation that higher populations will, in general, correlate with higher vehicle miles traveled.

Table 6-5: 2017 Population and Mobile Source Ozone Precursor Emissions by County.

County	2017 estimated population	% of Total Population	CO [TPY]	% of Total CO	VOC [TPY]	% of Total VOC	NO_X [TPY]	% of Total NO_X
Fairfield	949,921	26%	37,823	25%	3,408	25%	4,360	25%
Hartford	895,388	25%	38,575	25%	3,382	25%	4,344	25%
Litchfield	182,177	5%	7,708	5%	809	6%	788	4%
Middlesex	163,410	5%	8,153	5%	699	5%	978	6%
New Haven	860,435	24%	34,432	23%	3,055	22%	4,067	23%
New London	269,033	7%	12,109	8%	1,077	8%	1,503	9%
Tolland	151,461	4%	6,396	4%	590	4%	791	5%
Windham	116,359	3%	6,168	4%	576	4%	689	4%
State Total	**3,588,184**	**100%**	**151,364**	**100%**	**13,596**	**100%**	**17,520**	**100%**

Connecticut MOVES Model Information

Connecticut run specifications were created in MOVES for each county for both summer (tons per day) and annual (tons per year) emissions calculations. Connecticut specific data was imported through the "County Data Manager" in MOVES. Other Connecticut specific databases imported through the "Manage Input Data Sets" function of MOVES were the "MOVES2014_early_NLEV" and "MOVES2014_mylevs" databases which adjust for Connecticut's timeline of adoption of the California low emission vehicle (LEV) standards and the "Stage_ii_RefuelingInputNEI_2014" database which adjusts the refueling inputs for Connecticut.

MOVES was run for each county in Connecticut using the county's specific data inputs. Summer emissions of VOC, NO_X, and CO and annual emissions of VOC, NO_X, CO, PM_{10}-PRI, $PM_{2.5}$-PRI, NH_3, and SO_2 were produced.

6.1.2 Non-Road Mobile Sources

There are no major discrepancies between 2017 PEI and 2017 NEI emissions inventories for airports and commercial marine vessels (CMV), as CT DEEP accepted EPA emissions estimates (See Table 6-6). County level emissions for CMVs are sorted by NO_X emissions in Table 6-7. The highest CMV emissions are in New London, Fairfield, and New Haven Counties, the counties with coastal borders. The PEI attributes no CMV emissions to counties with no coastline or navigable rivers – Litchfield, Tolland, and Windham – as expected.

Table 6-6: Comparison of PEI & NEI Emissions for Aircraft and Commercial Marine Vessels

	Airport			Commercial Marine Vessle		
Pollutant [TPY]	**PEI Table 3-15 [TPY]**	**NEI [TPY]**	**Difference between NEI & PEI [TPY]**	**PEI Table 3-15 [TPY]**	**NEI [TPY]**	**Difference between NEI & PEI [TPY]**
VOC	151.82	151.82	0.00	69.67	69.67	0.00
NO_X	332.56	332.57	0.01	1,755.5	1,755.5	0.00
CO	1,993.55	1,993.56	0.01	257.59	257.59	0.00
PM_{10}-PRI	36.07	36.07	0.00	45.82	45.82	0.00
$PM_{2.5}$-PRI	30.06	30.06	0.00	44.32	44.32	0.00
NH_3	0.00	0.00	0.00	0.85	0.85	0.00
SO_2	47.76	47.76	0.00	7.34	7.34	0.00
Lead	2.42	2.42	0.00	0.0056	0.0056	0.00

Table 6-7: Commercial Marine Vessel Emissions by County.

County	**VOC [TPY]**	**NO_X [TPY]**	**CO [TPY]**	**PM_{10}-PRI [TPY]**	**$PM_{2.5}$-PRI [TPY]**	**NH_3 [TPY]**	**SO_2 [TPY]**	**Lead [TPY]**
New London	38.8	1,000.4	146.3	26.5	25.7	2.2	0.5	0.003
Fairfield	12.1	343.0	51.6	8.9	8.7	0.4	0.2	0.001
New Haven	15.7	329.2	47.5	8.2	7.8	4.5	0.2	0.001
Middlesex	3.1	83.0	12.2	2.2	2.1	0.2	0.0	0.000
Hartford	0	0.002	0	0	0	0.00	0.00	0.000
Litchfield	0	0	0	0	0	0	0	0.000
Tolland	0	0	0	0	0	0	0	0.000
Windham	0	0	0	0	0	0	0	0.000
State Total	**69.7**	**1,755.5**	**257.6**	**45.8**	**44.3**	**7.3**	**0.9**	**0.006**

County level airport emissions are sorted by CO emission in Table 6-8. The relative level of emissions is consistent with the location of the largest airports (those with FAA control towers) in Connecticut: Hartford (Bradley International and Hartford-Brainard), Fairfield (Danbury Municipal and Sikorsky Memorial), New Haven (Tweed-New Haven and Waterbury-Oxford) and New London (Groton-New London).

Table 6-8: Airport Emissions (Aircraft Exhaust & Airport Equipment) by County

County	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Lead [TPY]
Hartford	119.0	306.6	1,048.2	14.3	12.7	43.5	0.000	0.296
Fairfield	9.6	5.4	285.2	6.6	5.3	1.0	0.000	0.253
New Haven	9.5	9.7	252.3	6.0	4.9	1.6	0.000	0.211
New London	6.1	7.3	118.9	2.9	2.3	0.9	0.000	0.105
Windham	3.1	1.5	115.9	2.5	1.9	0.3	0.000	0.114
Tolland	2.1	0.9	77.8	1.6	1.3	0.2	0.000	0.076
Middlesex	1.7	0.9	53.0	1.3	1.1	0.2	0.000	0.049
Litchfield	0.6	0.3	42.3	0.8	0.6	0.0	0.000	0.052
State Total	**151.8**	**332.6**	**1,993.6**	**36.1**	**30.1**	**47.8**	**0.0**	**1.2**

As shown in Table 6-9, below, the PEI locomotive emissions are similar to those found in the 2017 NEI, except for a discrepancy in NO_X. CT DEEP provides its own estimates for Class I Operations (22-85-002-006).

Table 6-9: Comparison of PEI & NEI Emissions for Locomotives

Pollutant	PEI Table 3-15 [TPY]	NEI [TPY]	Difference between NEI & PEI [TPY]
VOC	53.61	48.67	-4.94
NO_X	1,139.11	1,032.23	-106.89
CO	143.40	130.13	-13.26
PM_{10}-PRI	33.92	30.79	-3.13
$PM_{2.5}$-PRI	32.90	29.87	-3.03
NH_3	0.45	0.41	-0.04
SO_2	0.51	0.46	-0.05
Lead	0.00	0.00	0.00

6.2 Area Source QA/QC Audit

For the most part, CT DEEP adopted EPA's 2017 (January 2021 version of 2017 NEI) area source emissions estimates for Connecticut after reviewing and providing adjustments to EPA, such as subtracting out emissions from the area sources (i.e., ICI fuel combustion, POTW) that were already accounted for in the point sources section of the inventory or modifying emissions estimates based upon state specific information.

For instance, bulk plant and bulk terminal emissions were developed using an alternative method from EPA's. While Connecticut's point source inventory doesn't have current reported emissions from bulk plant SCCs, all bulk gasoline storage appears to be covered by bulk terminals, which is mostly a point source. In the end, bulk plant (SCC 25-01-055-120) area source emissions were set to zero for all counties.

In addition, while CT DEEP accepted EPA estimates for Stage II gasoline emissions (SCC 22-02-00-0062), Stage II gasoline emissions for SCC 22-01-00-0062 were estimated using a Connecticut specific MOVES2014b run, followed by point reconciliation.

A comparison of the 2017 PEI and 2017 NEI area source emissions is presented in Table 6-10 and shows differences in CO, PM_{10}, $PM_{2.5}$, and VOC estimates. The discrepancy in both PM_{10} and $PM_{2.5}$ is explained by CT DEEP opting to use 2014 EPA estimates for agricultural tilling (SCC 28-01-000-003) for Tolland County due to a discrepancy in activity data. The difference in VOC is attributed to a difference in ONROAD Refueling Emissions.

EPA's area source data file included aircraft, locomotive, and CMV emissions data which were included in the Connecticut non-road mobile source emissions inventory, not the area source inventory. These data, therefore, were removed from the NEI area source data prior to summing the emissions for each pollutant.

Table 6-10: Comparison of PEI and NEI Area Source Emissions

Pollutant	PEI Table 4-1 [TPY]	NEI [TPY]	Difference between NEI & PEI [TPY]	% Difference
Lead	0.2569	0.2569	0.0000	0%
CO	35,231.97	35,231.97	0.00	0%
NH_3	3,939.68	3,939.68	0.00	0%
NO_X	10,951.05	10,951.05	0.00	0%
PM_{10}-PRI	20,617.51	26,241.03	5,623.51	27%
$PM_{2.5}$-PRI	8,826.04	9,950.79	1,124.74	12%
SO_2	1,546.73	1,546.73	0.00	0%
VOC	34,493.03	34,641.00	147.97	0%

County-level ozone precursor emissions are compared to county population in Table 6-11. County area source emissions are roughly consistent with the percent of state population in that county. This result is consistent with the expectation that higher levels of emissions producing activity will generally correlate with higher populations.

Table 6-11: 2017 Population and Area Source Ozone Precursor Emissions by County

County	2017 Estimated Population	% of Total Population	CO [TPY]	% of Total CO	VOC [TPY]	% of Total VOC	NO_X [TPY]	% of Total NO_X
Fairfield	949,921	26%	6,924	20%	7,923	23%	2,833	26%
Hartford	895,388	25%	7,461	21%	9,550	28%	3,059	28%
New Haven	182,177	5%	4,053	12%	2,075	6%	550	5%
New London	163,410	5%	2,481	7%	1,482	4%	529	5%
Litchfield	860,435	24%	6,129	17%	7,644	22%	2,493	23%
Middlesex	269,033	7%	3,560	10%	3,291	10%	820	7%
Tolland	151,461	4%	2,362	7%	1,272	4%	354	3%
Windham	116,359	3%	2,262	6%	1,256	4%	312	3%
State Total	3,588,184	100%	**35,232**	**100%**	**34,493**	**100%**	**10,950**	**100%**

Appendices

Appendix A Emissions Reporting History

A.0 Point Source List Development History

This Appendix describes the development of the initial point source list from which point source emissions for the 2017 Connecticut Periodic Inventory were estimated. This Appendix is included in order to demonstrate that the source list is as complete as possible.

Former Section 19-508-2 of the Regulations of Connecticut State Agencies (RCSA) required new and existing stationary sources to be either registered or permitted. Subject equipment operating prior to June 1, 1972 were required to register, while equipment installed after that date needed permits to construct and operate. Companies were required to submit detailed information about their equipment on forms supplied by CT Department of Environmental Protection (DEP), now known as CT DEEP. All taxable employers were notified of the registration and permit requirements. All municipalities, school systems and state agencies were separately notified in a second mailing. In a third mailing, Federal facilities were notified of their requirement to comply with the registration and permitting requirements of the RCSA.

The deadline for submission of the registration forms was October 1, 1972. The Permitting section of the CT DEEP Air Bureau processed the registration forms. Permitters reviewed the registration forms for completeness; assigned identification numbers (i.e., Town #, Premises #, Registration #, and Stack #); assigned special codes (i.e., National Emissions Data System (NEDS) County #, NEDS town #, Standard Industrial Class (SIC) #, Source Classification Code (SCC) #, and control equipment #); and determined stack coordinates. The data from the forms were coded onto special computer forms, key punched onto IBM cards, and entered into the database. Over 13,000 registrations were processed in this manner. The initial phase was completed by the end of 1973.

The next phase was to ensure that all facilities had submitted their applications for equipment requiring registrations and permits. The Enforcement section systematically contacted plants, which were listed in industrial directories. Screening letters, which requested basic information on the equipment and materials used at a facility, were mailed to those potential sources. Plants that responded positively to the questions in the screening letter were then sent a Pre-Inspection Questionnaire (PIQ), which requested detailed information on the processes and materials used in the plant. Equipment requiring registration were identified and the plant was issued a notice of violation, which would be closed out only upon receipt of a completed registration form. Over 500 equipment registrations were added to the inventory through the inspection program. In subsequent years, new plants have been identified through the Connecticut Department of Labor listing of new manufacturing firms and from articles in local newspapers.

The primary method by which new equipment is added to the point source inventory is through the permit program. Approximately 100 new permits are issued each year. There is high awareness of permit requirements among the regulated community through the State Implementation Plan Revision Advisory Committee (SIPRAC) of the Connecticut Business & Industry Association (CBIA). Members of CBIA are informed about any regulatory or procedural changes with regards to air pollution.

Prior to 1990, the point source inventory was kept current through timely updates of all emissions sources. In general, plants that had an EPA class of A1 were updated annually; plants with an EPA class of A2 were updated every second year; and plants with an EPA class of B were updated every three to five years. Since 1979, updates of the point source inventory have been incorporated into the Enforcement compliance inspection process. Along with each PIQ mailed to the plant, the Enforcement Division includes update forms for the registered and permitted equipment. The plant is required to provide current data on annual fuel usage, process weight rates, solvent usage, operating hours, and seasonal rates for

summer, fall, winter and spring. During the compliance inspection, Enforcement personnel review the completed update forms with the plant personnel to ensure the accuracy and completeness of the data. The Inventory group further reviews the forms for completeness, and revisions are compared with previous data. If there are apparent discrepancies, the update forms are returned to Enforcement personnel for clarification.

For plants that are inspected, Enforcement personnel calculate the total plant usage for each volatile organic compound (VOC) as listed in the PIQ. Plant usage is then adjusted for other media disposal. The total VOC from registered and permitted sources is subtracted from the adjusted total plant VOC. The balance is the actual unregistered VOC emissions. These estimates of unregistered VOC emissions are entered into a separate file, which contains basic company data, specific SCC code, and emissions in terms of tons per year.

For the 1990 base year ozone and carbon monoxide inventory development effort in 1992, source update forms were mailed to all facilities known to be active during 1990. This was done to verify which facilities in the inventory were active during 1990, and to update all data contained in the inventory that was at least two years old. For more detailed information about the 1990 inventory, please refer to the_1990 Base Year Ozone And Carbon Monoxide Emissions Inventory, created by the Planning and Standards Division of the CT DEEP Air Bureau in November 1993.

In 1993 to meet the emissions statement reporting requirements outlined in Title I, Section 182(a)(3)(b) of the 1990 Clean Air Act (CAA), the state developed and implemented an emissions statement reporting schedule. Connecticut's emissions statement program was submitted to and approved by EPA as a formal amendment to the SIP. The Department phased in the implementation of the emissions statement program beginning with the first reporting year (1993). Companies were required to file an emissions statement if the actual calendar year 1992 emissions from all sources at a plant site totaled 25 tons per year or more of VOC, NO_X, or CO. This first mailing involved 156 companies. Beginning in the reporting year 2006, the reporting threshold was set to any facility that is a major source or emitted 10 tons per year or more of actual VOC or NO_X, or 25 tons per year or more of actual CO emissions in calendar year 2005. There were 135 companies involved in this mailing.

In 2009, CT DEEP rolled out a new software application, EMIT, that allowed companies to submit their emissions statements electronically via the internet and report a number of new pollutants that the previous system could not accommodate. The additional pollutants collected in 2009 were PM_{10} filterable, $PM_{2.5}$ primary, $PM_{2.5}$ filterable, PM condensable, Ammonia and Sulfur Dioxide in lieu of Sulfur Oxides. Since there is a lack of emissions factors for PM_{10} and $PM_{2.5}$ filterable and PM condensable these pollutants were often unreported. Additionally, beginning in 2009, only sites considered a major source were required to submit an emissions statement.

Beginning in reporting year 2010, CT DEEP has required companies to report their HAP emissions.

The 2017 periodic stationary source inventory was based on emissions statements, which reported the source's actual 2017 emissions signed by a corporate officer who attested to the accuracy of their calculations. Emissions for 83 facilities were submitted to EIS for the 2017 National Emissions Inventory. Data for 79 facilities were obtained from normal emissions statement reporting. Data for one facility (NORWICH PUBLIC UTIL/ELECT EIS Facility identifier 16708211) was obtained via annual compliance reporting documentation, where data for two other sites (Tunnel Station and STRATFORD SCHOOL FOR AVIATION EIS Facility identifiers 16708111 and 14623911, respectively) were estimated based on earlier emissions reporting data. The remaining facility Empire Tire Of Edgewater II LLC EIS Facility identifier 2766111 did not operate in 2017 and has been shuttered. Compliance with the emissions statement program was 97 percent from all Title V facilities, with a shuttered facility and a small "once in, always in" facility being the only outliers.

A.1 Historical Quality Control Procedures

Quality Control (QC) measures for the point source inventory were originally instituted for the 1979 Ozone SIP. Those measures consisted of three separate activities. First, a procedure was developed to update the point source inventory. Second, the data must be verified by CT DEEP personnel. Third, the data must be entered accurately.

All registered or permitted sources were required to fill out a Pre-Inspection Questionnaire (PIQ) Inventory Update form prior to a scheduled inspection. Originally, the PIQ Inventory Update form was designed to provide CT DEEP with the yearly changes in fuel use and process weights for the registered and permitted equipment at the inspected plants. In general, plants that had an EPA class of A1 (actual emissions > 100 TPY) were updated annually; plants with an EPA class of A2 (potential emissions > 100 TPY) were updated every second year; and plants with an EPA class of B (potential emissions < 100 TPY) were updated every third to fifth year.

Since 1993, the Inventory update procedure has been phased out with the implementation of our Emissions Statement Program. From the inception of the emissions statement program through the 2008 emissions statement cycle, the Bureau's SAS based system was used to process and database emissions statement submittals. In 2008, the Bureau contracted with CIBER to develop a new software application that would allow sites to report their emission statements electronically. This system is referred to as EMIT and replaces the SAS based system. Using the EMIT system, sites report their usage and process data on both a summer day and annual basis to calculate their emissions. Prior to CT DEEP implementing the EMIT system, sites were required to calculate their emissions and to submit their emissions statements on paper. One of the most common errors that occurred during this process was that they miscalculated their emissions. The EMIT system allows a direct entry of an emissions value for Continuous Emissions Monitoring System (CEMS) measurements and for calculated tank emissions. Otherwise, the EMIT system calculates emissions for users at the SCC, source, and site level each time a parameter is updated. The calculation routines used by EMIT have been thoroughly tested and shown to be correct and, together with EMIT's validation checks, help to remedy errors formerly created by paper submission.

Appendix B Sample Emissions Calculations

Point emissions were calculated using the Bureau's EMIT software application. EMIT calculates Summer Day and Annual emissions based on entered activity, emission factors, and controls. EMIT does not calculate emissions when the emissions were estimated using the TANKS model or when they were derived using continuous emission monitoring (CEM). In these instances, EMIT requires the user to manually enter the emissions directly after identifying that the emissions are based upon one of these two methods.

Several basic emissions calculations are illustrated in Examples 1 to 6. The application of the Summer Day allocation factor is not needed within EMIT because the reporters address this outside of the application.

- Example 1 illustrates the use of AP-42 emissions factors to calculate Annual and Summer Day emissions for many sources, typically boilers and incinerators that do not have controls.
- Example 2 illustrates the calculation of Summer Day VOC emissions for gasoline loading facilities using the formula from Section 5.2 of AP-42. This example is typical of all process sources that use emissions factors to calculate emissions. Since this source has emissions controls, rule effectiveness is also illustrated.
- Example 3. illustrates the calculation of the summer day apportionment factor and summer day emissions.
- Example 4 illustrates application of Example 3 equations in calculating Commercial Marine Vessel summer day emissions.
- Example 5 illustrates application of Example 3 equations in calculating Locomotive summer day emissions.
- Example 6 illustrates the calculation of Aircraft summer day emission using an approach similar to Example 3 equations.

B.0 List of Equations

The seasonal adjustment for point sources (Equation I) and the MOVES ONROAD Compliance Factor (Equation II) are contained in the main body of document and are not listed or shown below.

Equation III:

$$E_a = \frac{F * EF}{2{,}000}$$

Equation III: Annual Actual Emissions

Equation IV:

$$E_s = F * EF * \frac{T_s}{W_s * D_s}$$

Equation IV: Seasonal Actual Emission Rate

Equation V:

$$E_s = 2{,}000 E_a \frac{T_s}{W_s * D_s}$$

Equation V: Seasonal Actual Emission Rate (Substituting Equation III into Equation IV)

Variable	Unit	Description
E_a	TPY	Annual Actual Emissions Rate
E_s	$\frac{lb}{day}$	Seasonal Actual Emissions Rate
F	$\frac{10^3\ gal}{year}$	Actual Annual Fuel Use
EF	$\frac{lb}{10^3\ gal}$	Emissions Factor
T_s	$\frac{\%\ year}{season}$	Seasonal Rate of Use
W_s	$\frac{week}{season}$	Weeks of Operation in Season
D_s	$\frac{days\ operated}{week}$	Days of Operation per Week in Season

Equation VI:

$$L_L = \frac{S * TVP * M_v}{R * T} = 12.46 \frac{S * TVP * M_v}{T}$$

Equation VI: Emissions from Loading Petroleum Liquid (U.S. Environmental Protection Agency 2008)

Where:

Variable	Unit	Description
L_L	$\frac{lb}{10^3\ gal}$	Loading Loss (Emissions factor for VOCs) from Loading Petroleum
S	$-$	Saturation Factor (See AP-42 Table 5.2-1)
TVP	$psia$	True Vapor Pressure (TVP) of Liquid Loaded (See AP-42 Table 7.1-3)
M_v	$\frac{lb}{lbmol}$	Molecular Weight of Vapor (See AP-42 Table 7.1-2)
R	$\frac{psia * 10^3\ gal}{lbmol * °R}$	Ideal Gas Constant ($R^{-1} = 12.46$)
T	$°R$	Absolute Temperature of Bulk Liquid

B.1 Examples

Example 1 **Fuel Burning Source**

In 2013, Company A used 601,000 gallons of no. 6 fuel oil to operate their commercial boiler. The boiler is capable of producing more than 100 million BTU/hr, is normal-firing, and is not equipped with control equipment (SCC 1-03-004-01). The boiler operated every day of the week for the entire summer with a 10% seasonal rate of use. What were the daily emissions rates of NO_x, CO, and VOC from this boiler during the summer of 2013?

Find: E_{s,NO_x}, $E_{s,CO}$, $E_{s,VOC}$

To find E_s, Equation IV should be used. $$E_s = F * EF * \frac{T_s}{W_s * D_s}$$

Given values: $$F = 601{,}000 \frac{gal}{year} = 601 \frac{10^3\ gal}{year}$$

$$T_s = 10\%$$

$$W_s = 13 \frac{weeks}{summer}$$

$$D_s = 7 \frac{days}{week}$$

Values to be found in AP-42: $EF_{NO_x} = 47 \frac{lb}{10^3\ gal}$ (AP-42 Table 1.3-1)

$$EF_{CO} = 5 \frac{lb}{10^3\ gal}$$ (AP-42 Table 1.3-1)

$$EF_{VOC} = 1.605 \frac{lb}{10^3\ gal}$$ (AP-42 Table 1.3-3)

Solution:

$$E_{s,NO_x} = \frac{601\ \frac{10^3\ gal}{year} * 47\ \frac{lb}{10^3\ gal} * 10\ \frac{\%\ year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = \boxed{31.04 \frac{lb}{day}}$$

$$E_{s,CO} = \frac{601\ \frac{10^3\ gal}{year} * 5\ \frac{lb}{10^3\ gal} * 10\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = \boxed{3.30 \frac{lb}{day}}$$

$$E_{s,VOC} = \frac{601\ \frac{10^3\ gal}{year} * 1.605\ \frac{lb}{10^3\ gal} * 10\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = \boxed{1.06 \frac{lb}{day}}$$

Company A's boiler emitted NO_x, CO, and VOCs at rates of 31.04 lb/day, 3.30 lb/day, and 1.06 lb/day, respectively, in the summer of 2013.

Example 2 **Gasoline Loading Facility**

A gas station was supplied with 90 million gallons of gasoline (RVP=10) in 2012. The station is classified as a gasoline submerged loading balance service (SCC 4-06-001-41) and is equipped with a vapor recovery system which captures 98% and collects 97% of VOCs. The regulations for this type of source have been determined to have an effectiveness of 100%. This gas station does not receive shipments on Sundays and 27% of the total throughput was provided during the summer. Assuming a constant bulk temperature of 60 °F for the gasoline, what was the emissions rate of VOCs at this gas station in the summer of 2012?

Find: $E_{s,VOC}$

To find E_s, Equation IV should be used with the Equation I control efficiency terms:

$$E_s = F * EF_{VOC} * \frac{T_s}{W_s * D_s} * [1 - (Eff * Cap * Rule)]$$

Given values: $F = 90{,}000{,}000 \frac{gal}{year} = 90{,}000 \frac{10^3\ gal}{year}$

$$T_s = 27\%$$

$$W_s = 13 \frac{weeks}{summer}$$

$$D_s = 6 \frac{days}{week}$$

$$Eff = 97\%/100$$

$$Cap = 98\%/100$$

$$Rule = 100\%/100$$

The only unknown variable is EF_{VOC}. Because this is a problem on the emissions from the transportation of petroleum, Equation VI can be used to find this value.

$$EF_{VOC} = L_L = 12.46 \frac{S * TVP * M_v}{T}$$

Values to be found in AP-42: $S = 1.00$ (AP-42 Table 5.2-1)

$$TVP = 5.2\ psia \text{ (AP-42 Table 7.1-2)}$$

$$M_v = 66 \frac{lb}{lbmol} \text{ (AP-42 Table 7.1-2)}$$

Solution: $EF_{VOC} = 12.46 \frac{lbmol * °R}{psia * 10^3\ gal} \frac{1.00 * 5.2\ psia * 66 \frac{lb}{lbmol}}{(60 + 459.67)\ °R} = 8.23 \frac{lb}{10^3\ gal}$

$$E_{s,VOC} = \frac{90{,}000\ \frac{10^3\ gal}{year} * 8.23\ \frac{lb}{10^3\ gal} * 27\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 6 \frac{days}{week}} * [1 - (0.97 * 0.98 * 1)] = \boxed{127 \frac{lb}{day}}$$

The gas station emitted approximately 127 pounds of VOCs per day of operation in the summer of 2012.

Example 3 **Summer Apportionment Factor**

The summer day apportionment factor portion of Equation IV is broken out and shown below. The remaining portion of the Equation IV summer day emissions calculation is also shown below. Application of these equation are shown in Examples 4 and 5.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$E_{ij} = E_{aij} * Sd_j$$

Where:

E_{ij} = Total emissions of pollutant i, in pounds per day, produced for SCCj

Ea_{ij} = Total annual emissions of pollutant i, in tons per year, produced for SCCj. Annual emissions can be found in the various Appendicies within this document.

Sd_j = Summer day fraction with tons per year to pounds per day conversion included for SCCj

Spa_j = Summer percentage of annual emissions, (e.g.- 25% of annual emissions when a uniform seasonal profile is expected).

Wps_j = Weeks of emissions per summer (13 weeks per summer season for a uniform 24 x 7 operation)

Dpw_j = Days per week (7 days per week for a 24 x 7 operation)

2000 = Conversion factor for pounds per ton

Example 4 **Commercial Marine Vessels**

A sample calculation implementing the Example 3 equation for SCC 22-80-002-100 annual VOC emissions in Fairfield County from the first row of of Appendix G Table G-22 is shown below. The calculated results are consistent with the summer day VOC emissions for 22-80-002-101 in Fairfield County of Appendix G Table G-23

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 7} = \boxed{5.495}$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 0.2 * 5.495 = \boxed{1.10 \frac{lbs}{day}}$$

Example 5 **Locomotives**

A sample calculation implementing the Example 5 equation for SCC 22-85-002-006 annual NO_X emissions in Fairfield County from the first row of Appendix G Table G-24 is shown below. The calculated results are consistent with the summer day NO_X emissions for SCC 22-85-002-006 in Fairfield County of Appendix G Table G-25.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 5} = \boxed{7.692}$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 60.63 * 7.692 = \boxed{466.4 \frac{lb}{day}}$$

Example 6 **Aircraft**

Summer day emissions were calculated using a methodology similar to that previously used in earlier inventories. The LTO, seasonal adjustments, and tonnage conversions were also factored in the following equation. Note that this equation resembles that used in Example 3, 4, and 5, except that S_j is a seasonal fraction instead of a Sd_j summer day fraction.

$$E_{ij} = E_{aij} * S_j * \frac{2000}{Days}$$

Where:

E_{ij} = Total emissions of pollutant i, in pounds per day, produced by the composite aircraft type makeup for SCCj for all LTO cycles

E_{aij} = Total annual emissions of pollutant i, in tons per year, produced by the composite aircraft type makeup for SCCj for all LTO cycles. These emissions are shown in Appendix C Table 5 under the Annual Emissions (TPY) column, where a summation of the EPA annual emissions estimate for the airport are presented in tons per year for each of the pollutants needing a summer day emissions estimate.

S_j = Summer season fraction of Landing and Take-Off Cycles for composite aircraft type makeup for SCCj (The summer season fraction represents the fraction of total annual Landing and Take-Off Cycles that occurred during the summer season for the specific source classification code (SCCj) at the airport. These fractions are shown in Appendix G Table G-20.

2000 = Conversion factor of pounds of ton

$Days$ = Days in Ozone Season

A sample calculation for VOC emissions from SCC 22-75-050-012 at Bridgeport Hospital Heliport in Fairfield County can be shown using the first record in both Appendix G Table G-19 and Table G-20 as follows:

$$E_i = 0.11 * 0.16 * \frac{2000}{92\ days} = \boxed{0.38 \frac{lbs\ VOC}{day}}$$

Appendix C Point Source Inventory

Table C-1: 2017 Annual Emissions of Connecticut Point Sources

EIS Identifier	Site Name	Town	SIC	2017 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield											
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	4922	3.87	12.91	7.08	7.78	7.78	0.37	0	0
14623611	WATERSIDE POWER LLC	STAMFORD	4911	0.03	3.82	0.14	0.09	0.09	0.02	0	0.0001
14623811	BRIDGEPORT INSULATED WIRE CO	STRATFORD	3357	0.34	0.11	0.09	0.00	0.00	0.00	0	0.0000
14623911	STRATFORD SCHOOL FOR AVIATION	STRATFORD	8249	0.18	0.09	0.10	0.01	0.01	0.00	0.00	0.0000
17997311	Tilcon Connecticut Inc. - Danbury	DANBURY	2951	1.65	0.24	0.06	0.27	0.27	4.30	0	0
2722211	KINGSWOOD KITCHENS INC	DANBURY	2434	8.62	0.19	0.05	0.83	0.16	0.07	0	0.0000
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	4911	0.01	3.25	6.78	0.23	0.23	0.03	0	0.0003
533411	Total Petrochemical and Refining	STRATFORD	2869	20.04	0.36	0.30	0.03	0.03	0.00	0.01	0.0000
552411	NORWALK HOSPITAL ASSOCIATION	NORWALK	8062	2.99	15.84	5.22	1.82	1.82	0.10	0.03	0.0001
588811	PolyOne Designed Structures and Solutions	STAMFORD	3081	4.64	3.85	3.15	0.19	0.18	0.03	0.05	0.0000
589611	HAMPFORD RESEARCH INC	STRATFORD	2869	3.83	0.01	0.00	0.00	0.00	0.01	0.00	0.0000
642511	SIKORSKY AIRCRAFT CORPORATION	STRATFORD	3721	17.80	8.19	4.30	9.77	9.74	0.32	1.04	0.0001
754211	Sprague Operating Resources, LLC	BRIDGEPORT	5171	35.87	0.00	0.00	0.00	0.00	0.00	0	0
754311	PSEG PWR CT LLC/BPT HARBOR STA	BRIDGEPORT	4911	4.18	175.50	35.97	3.09	1.10	228.94	0.21	0.0005
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	4953	7.50	1,095.59	51.98	64.42	63.86	119.51	1.51	0.1019
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	4911	5.27	136.38	36.74	22.90	21.61	4.75	49.22	0
Total for Fairfield County				**116.84**	**1,456.33**	**151.97**	**111.43**	**106.89**	**358.46**	**52.06**	**0.1030**
Hartford											
14622811	Manchester Landfill Premises	MANCHESTER	4953	4.17	1.77	1.11	0.54	0.54	2.42	20.15	0.0011
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	3724	4.41	54.18	40.41	4.63	4.55	1.30	4.84	0.0004
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	3451	0	0	0	0	0	0	0	0
552311	M D C /HARTFORD WPCF	HARTFORD	4952	10.89	72.21	136.00	5.23	4.94	24.00	179.99	0.0006

EIS Identifier	Site Name	Town	SIC	2017 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
588711	COVANTA BRISTOL, INC	BRISTOL	4953	2.15	254.55	25.20	2.49	0.00	22.72	2.74	0.0170
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	4911	0.90	22.31	14.08	11.18	11.18	0.54	1.50	0.0000
715611	MIRA / MID-CONNECTICUT	HARTFORD	4953	38.57	617.09	304.33	18.84	18.84	65.30	8.97	0.0579
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	3728	16.12	5.49	2.81	4.44	4.44	0.22	4.50	0.0000
769211	FIRESTONE BUILDING PRODUCTS CO	BRISTOL	3086	43.87	2.56	1.57	0.14	0.14	0.01	0.05	0.0000
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	4911	0.48	26.29	17.71	3.57	2.97	0.08	0.14	0.0001
918811	STANLEY TOOLS DIV	NEW BRITAIN	3423	60.28	1.64	1.38	0.08	0.08	0.01	0.03	0.0000
Total for Hartford County				**181.85**	**1,058.10**	**544.62**	**51.14**	**47.70**	**116.60**	**222.90**	**0.0771**
Litchfield											
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	4911	0.00	2.57	0.01	0.00	0.00	0.01	0	0.0001
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	4911	0.00	1.80	0.01	0.00	0.00	0.00	0	0.0000
17952511	FJC Services, LLC	PLYMOUTH	3471	10.20	0	0	0	0	0	0	0
2711411	Braxton Manufacturing Company, Inc.	WATERTOWN	3965	0	0	0	0	0	0	0	0
587911	Albea Metal Americas Inc.	WATERTOWN	3469	0.00	0.08	0.02	0.01	0.01	0.00	0	0.0000
845911	KIMBERLY-CLARK CORP	NEW MILFORD	2621	15.72	33.94	15.93	15.28	13.59	0.81	4.46	0.0000
Total for Litchfield County				**25.93**	**38.40**	**15.97**	**15.28**	**13.59**	**0.82**	**4.46**	**0.0001**
Middlesex											
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	4911	5.47	99.05	16.16	14.45	14.45	8.50	9.83	0.0001
17876611	MATTABASSETT DISTRICT	CROMWELL	4952	0.15	2.78	1.04	0.43	0.43	0.02	0.02	0.0000
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	4922	44.16	145.85	54.11	6.11	6.11	1.98	0.00	0.0000
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	4911	7.44	218.18	97.26	10.32	9.22	57.08	11.41	0.0035

EIS Identifier	Site Name	Town	SIC	2017 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	3724	7.43	223.63	64.38	7.70	7.69	12.15	2.00	0.0005
Total for Middlesex County				**64.65**	**689.49**	**232.95**	**39.02**	**37.92**	**79.73**	**23.26**	**0.0041**
New Haven											
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	3353	39.97	1.14	0.98	0.88	0.88	0.01	0	0.0000
14624011	Wallingford Energy LLC	WALLINGFORD	4911	2.84	7.70	9.13	5.26	5.26	0.47	3.09	0.0000
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	4911	0.04	1.20	1.20	0.21	0.21	0.02	0	0.0000
15588211	WATERBURY GENERATION, LLC	WATERBURY	4911	0.85	2.52	0.78	1.39	1.39	1.39	0.66	0.0000
15588611	EVONIK CYRO LLC	WALLINGFORD	2821	7.64	0.55	0.29	0.05	0.05	0.02	0.01	0.0000
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	4911	0.00	2.22	0.01	0.00	0.00	0.01	0	0.0000
17876411	Waterbury Water Pollution Control Facility	WATERBURY	4952	0.13	6.26	2.06	0.11	0.11	18.39	0.01	0.0001
17876511	OMI WEST HAVEN /WPCF (S.S.I.)	WEST HAVEN	4952	1.23	2.88	2.49	0.22	0.22	2.86	0	0.0020
17997611	Colonial Coatings Corporation	MILFORD	3471	0.94	0	0	0	0	0	0	0
2708911	MILFORD POWER CO, LLC	MILFORD	4911	19.31	88.29	89.90	35.97	35.97	6.43	31.96	0
2709611	GREATER NEW HAVEN WPCA	NEW HAVEN	4952	0.94	27.92	16.57	0.78	0.78	2.64	0.00	0.0001
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	3356	13.00	1.73	1.25	3.03	3.03	0.01	0.05	0.0000
555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	NEW HAVEN	5171	59.25	0.75	3.66	0.03	0.03	0.03	0.00	0.0000
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	4226	2.40	0	0	0	0	0	0	0
555711	SOMERS THIN STRIP	WATERBURY	3351	3.33	2.61	2.13	0.20	0.20	0.02	0.08	0.0000
590011	DEVON POWER, LLC	MILFORD	4911	0.20	9.33	2.34	1.47	1.47	0.16	0.25	0.0013
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	4911	1.65	26.28	7.83	1.08	0.94	32.48	1.24	0.0008
658111	Allnex USA, Inc	WALLINGFORD	2821	41.09	33.79	17.71	5.59	5.59	0.18	0.70	0.0001
843211	MAGELLAN TERMINALS HOLDINGS,LP	NEW HAVEN	4226	55.36	0.08	0.02	0.02	0.01	0.03	0.00	0.0000
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	8221	9.20	8.41	4.40	5.30	5.24	2.02	0.39	0.0003

EIS Identifier	Site Name	Town	SIC	2017 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	NEW HAVEN	4226	34.94	1.31	3.19	0.02	0.02	0.01	0.01	0.0000
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	4226	1.93	0	0	0	0	0	0	0
898011	NAUGATUCK POTW	NAUGATUCK	4952	1.31	35.41	14.95	0.26	0.26	17.71	0	0.0026
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	8221	1.38	11.30	3.44	2.01	2.01	2.82	0.44	0.0002
918711	GULF OIL L.P.	NEW HAVEN	5171	60.16	0	0	0	0	0	0	0
Total for New Haven County				**359.12**	**271.68**	**184.32**	**63.86**	**63.65**	**87.69**	**38.89**	**0.0077**
New London											
15588311	The Gilman Brothers Company	BOZRAH	3089	45.04	0.68	0.17	0.09	0.07	0.67	0.03	0.0000
15588411	AMERICAS STYRENICS, LLC	LEDYARD	2821	5.34	5.08	2.25	0.87	0.87	0.02	0.06	0.0001
15588511	Trinseo LLC - Allyn's Point	LEDYARD	2821	0.01	0.09	0.02	0.01	0.01	0.01	0	0
16708111	Tunnel Station	PRESTON	4911	0.00	0.91	0.00	0.02	0.02	0.14	0	0.0000
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	4911	0.00	2.47	0.01	0.03	0.03	0.02	0	0.0000
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	9711	12.36	27.90	28.69	2.48	2.46	0.43	0.65	0.0001
2662011	WestRock	MONTVILLE	2631	0	0	0	0	0	0	0	0
552611	MONTVILLE POWER, LLC	MONTVILLE	4911	2.02	61.57	12.15	6.06	6.04	69.75	1.72	0.0025
590111	Millstone Power Station	WATERFORD	4911	1.15	13.87	5.71	0.41	0.37	0.24	0.02	0.0000
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	4953	0.36	367.29	69.87	1.21	0.00	24.47	5.01	0.0271
8501611	WHEELABRATOR LISBON INC	LISBON	4953	0.56	266.96	14.52	10.17	10.16	10.79	0.89	0.0018
921211	PFIZER INC	GROTON	8731	4.75	51.56	33.27	5.88	5.87	1.63	0.77	0.0003
922211	ELECTRIC BOAT CORP	GROTON	3731	18.54	9.90	6.65	0.65	0.62	0.26	0.25	0.0000
Total for New London County				**90.13**	**808.28**	**173.32**	**27.87**	**26.51**	**108.44**	**9.40**	**0.0319**
Tolland											
642611	UNIV OF CT / STORRS	MANSFIELD	8221	6.53	69.95	38.16	18.03	18.00	2.68	6.56	0.0005
Total for Tolland County				**6.53**	**69.95**	**38.16**	**18.03**	**18.00**	**2.68**	**6.56**	**0.0005**
Windham											

EIS Identifier	Site Name	Town	SIC	2017 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	4911	1.17	79.64	38.89	18.09	18.09	0.47	0.04	0.0026
2765911	FRITO-LAY INC	KILLINGLY	2096	21.18	11.83	15.74	17.88	8.07	0.24	0.51	0.0001
2766111	Empire Tire Of Edgewater II LLC	STERLING	4911	0	0	0	0	0	0	0	0
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	4922	9.57	13.41	32.13	1.76	1.76	2.19	0	0
844711	LAKE ROAD GENERATING CO, LLC	KILLINGLY	4911	12.73	115.38	77.36	73.66	73.65	9.89	94.00	0
844811	Sonoco Protective Solutions, Inc	PUTNAM	3086	33.07	2.16	1.81	0.16	0.16	0.01	0.07	0.0000
Total for Windham County				**77.72**	**222.41**	**165.93**	**111.55**	**101.73**	**12.80**	**94.62**	**0.0027**
Connecticut Statewide Total				**922.77**	**4,614.63**	**1,507.22**	**438.19**	**415.99**	**767.23**	**452.16**	**0.2270**

Table C-2: 2017 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions

EIS Identifier	Site Name	NAICS Code	2017 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH3	CO	Lead
Fairfield					
2738211	Superior Plating Co	332813	0.00	0.00	1.15
9797611	Anco Engineering Inc	332439	0.00	0.00	26.70
Total for Fairfield County			**0.00**	**0.00**	**27.85**
Hartford					
17052411	AHLSTROM NONWOVENS LLC	313230	39,917.00	0.00	0.00
1906511	Windsor / Bloomfield Landfill	562212	0.00	526.15	0.00
1908111	Tilcon Connecticut Inc - New Britain	324121	0.00	0.00	0.00
2659411	Ensign-Bickford Co	325920	0.00	0.00	2.15
2673511	ColtS Mfg Co Inc	332994	0.00	0.00	7.34
2775911	Taylor & Fenn Co	331511	0.00	0.00	2.56
2789711	Goodrich Pump & Engine Control Sys Inc	336412	0.00	0.00	0.06
2789811	Nutmeg Chrome Corp	332813	0.00	0.00	0.03
2790011	Component Tech Inc	332813	4,389.00	0.00	0.00
2790111	Torrey S Crane	331491	0.00	0.00	1.72
2790211	Northeastern Shaped Wire Inc	331222	136.23	0.00	0.00
2791111	Theis Precision Steel Corp	331221	0.00	0.00	0.18
9793711	Keeney Manufacturing Co Inc	332999	0.00	0.00	0.01
Total for Hartford County			**44,442.23**	**526.15**	**14.04**
Litchfield					
2674411	Minteq/Specialty Minerals Inc	331491	0.00	0.00	5.89
2674911	Summit Corp Of America	332813	0.00	0.00	160.00
9790511	Oldcastle Retail Inc (Dba Bonsal American)	327999	0.00	0.00	0.10

EIS Identifier	Site Name	NAICS Code	2017 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH3	CO	Lead
Total for Litchfield County			**0.00**	**0.00**	**165.99**
Middlesex					
2707311	Tilcon Connecticut Inc	324121	0.00	0.00	0.00
Total for Middlesex County			**0.00**	**0.00**	**0.00**
New Haven					
2660711	American Electro Prods Inc	332813	0.00	0.00	0.17
2708211	Mossberg & Sons Inc O F	332994	0.00	0.00	0.39
2711511	Enthone	325998	0.00	0.00	0.00
2723511	Schick Mfg Inc	33221	21.00	0.00	0.00
2723611	Tilcon Connnecticut Inc	324121	0.00	0.00	0.00
2723711	Honeywell Fire Sys	334290	0.00	0.00	0.38
7948611	Sargent Manufacturing Co	332999	0.00	0.00	0.03
897911	Bic Consumer Prod Manu Co	339940	597.00	0.00	0.00
9788411	Jensen Industries Inc.	339114	0.00	0.00	0.20
Total for New Haven County			**618.00**	**0.00**	**1.17**
New London					
2763511	Freeport-McMoran Copper Products (formerly PHELPS DODGE COPPER PROD CO)	331420	0.00	0.00	0.50
2764611	U S Coast Guard Academy	611310	0.00	0.00	1.78
Total for New London County			**0.00**	**0.00**	**2.28**
Tolland					
2765411	Tyco Printed Circuit Group Stafford Div	334412	0.00	0.00	0.20

EIS Identifier	Site Name	NAICS Code	2017 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH3	CO	Lead
2765511	Tyco Printed Circuit Group	334412	0.00	0.00	0.01
Total for Tolland County			**0.00**	**0.00**	**0.21**
Total for Windham County			**0.00**	**0.00**	**0.00**
Connecticut Statewide Total			**45,060.23**	**526.15**	**211.33**

Table C-3: Summary Day Emissions of Point Sources

EIS Identifier	Site Name	Town	SIC	2017 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
Fairfield						
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	4922	26.89	107.18	43.24
14623611	WATERSIDE POWER LLC	STAMFORD	4911	2.14	384.47	21.57
14623811	BRIDGEPORT INSULATED WIRE CO	STRATFORD	3357	3.17	0.49	0.41
14623911	STRATFORD SCHOOL FOR AVIATION	STRATFORD	8249	40.80	0.87	20.15
17997311	Tilcon Connecticut Inc. - Danbury	DANBURY	2951	20.78	19.60	4.90
2722211	KINGSWOOD KITCHENS INC	DANBURY	2434	73.37	0.40	0.10
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	4911	1.11	459.93	951.91
533411	Total Petrochemical and Refining	STRATFORD	2869	108.08	1.44	1.21
552411	NORWALK HOSPITAL ASSOCIATION	NORWALK	8062	20.25	106.14	37.94
588811	PolyOne Designed Structures and Solutions	STAMFORD	3081	25.19	19.44	15.90
589611	HAMPFORD RESEARCH INC	STRATFORD	2869	30.04	0.70	0.59
642511	SIKORSKY AIRCRAFT CORPORATION	STRATFORD	3721	112.42	59.15	14.29
754211	Sprague Operating Resources, LLC	BRIDGEPORT	5171	183.91	0.12	0.03
754311	PSEG PWR CT LLC/BPT HARBOR STA	BRIDGEPORT	4911	8.70	368.79	75.06
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	4953	44.91	6,396	303.74
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	4911	47.30	1,532	74.06
Total for Fairfield County				**749.1**	**9,457**	**1,565**
Hartford						
14622811	Manchester Landfill Premises	MANCHESTER	4953	25.05	48.93	11.16
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	3724	35.73	559.99	381.38
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	3451	0	0	0
552311	M D C /HARTFORD WPCF	HARTFORD	4952	81.80	684.35	1,820.89
588711	COVANTA BRISTOL, INC	BRISTOL	4953	13.31	1,500.30	152.80
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	4911	10.63	385.97	158.01
715611	MIRA / MID-CONNECTICUT	HARTFORD	4953	245.89	4,371.01	1,973.41

EIS Identifier	Site Name	Town	SIC	2017 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	3728	114.35	139.84	41.45
769211	FIRESTONE BUILDING PRODUCTS CO	BRISTOL	3086	23.41	8.79	4.43
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	4911	4.27	759.83	364.52
918811	STANLEY TOOLS DIV	NEW BRITAIN	3423	251.41	6.07	5.10
Total for Hartford County				**805.9**	**8,465**	**4,913**
Litchfield						
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	4911	0.10	170.3	0.79
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	4911	0.19	306.2	1.55
17952511	FJC Services, LLC	PLYMOUTH	3471	86.60	0	0
2711411	Braxton Manufacturing Company, Inc.	WATERTOWN	3965	0	0	0
587911	Albea Metal Americas Inc.	WATERTOWN	3469	0.01	1.0	0.84
845911	KIMBERLY-CLARK CORP	NEW MILFORD	2621	90.24	186.3	85.86
Total for Litchfield County				**177.1**	**663.8**	**89.04**
Middlesex						
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	4911	7.71	621.6	75.20
17876611	MATTABASSETT DISTRICT	CROMWELL	4952	0.65	11.53	3.07
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	4922	676.1	2,984	739.4
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	4911	304.7	7,226	3,134
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	3724	2,885	3,740	667.1
Total for Middlesex County				**3,874**	**14,583**	**4,618**
New Haven						
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	3353	220.73	6.14	5.67
14624011	Wallingford Energy LLC	WALLINGFORD	4911	32.40	92.09	129.45
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	4911	0.46	11.14	36.96
15588211	WATERBURY GENERATION, LLC	WATERBURY	4911	17.46	37.33	14.20
15588611	EVONIK CYRO LLC	WALLINGFORD	2821	45.62	7.98	1.68

EIS Identifier	Site Name	Town	SIC	2017 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_x	CO
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	4911	0.21	417.10	1.72
17876411	Waterbury Water Pollution Control Facility	WATERBURY	4952	3.11	113.63	33.83
17876511	OMI WEST HAVEN /WPCF (S.S.I.)	WEST HAVEN	4952	10.07	23.69	20.50
17997611	Colonial Coatings Corporation	MILFORD	3471	5.28	0	0
2708911	MILFORD POWER CO, LLC	MILFORD	4911	194.19	569.25	953.30
2709611	GREATER NEW HAVEN WPCA	NEW HAVEN	4952	6.23	151.82	86.67
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	3356	84.68	59.59	50.06
555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	NEW HAVEN	5171	308.66	4.59	22.21
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	4226	15.11	0	0
555711	SOMERS THIN STRIP	WATERBURY	3351	19.10	12.37	10.17
590011	DEVON POWER, LLC	MILFORD	4911	11.79	784.54	252.09
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	4911	287.57	1,041.83	1,264.14
658111	Allnex USA, Inc	WALLINGFORD	2821	217.10	130.80	87.20
843211	MAGELLAN TERMINALS HOLDINGS,LP	NEW HAVEN	4226	330.32	0.46	0.13
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	8221	58.93	114.22	28.26
844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	NEW HAVEN	4226	238.00	7.87	18.57
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	4226	15.12	0	0
898011	NAUGATUCK POTW	NAUGATUCK	4952	7.19	194.13	81.97
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	8221	9.70	118.08	44.81
918711	GULF OIL L.P.	NEW HAVEN	5171	358.14	0	0
Total for New Haven County				**2,497**	**3,899**	**3,144**
New London						
15588311	The Gilman Brothers Company	BOZRAH	3089	342.17	4.16	1.04
15588411	AMERICAS STYRENICS, LLC	LEDYARD	2821	38.22	29.16	12.42
15588511	Trinseo LLC - Allyn's Point	LEDYARD	2821	0.12	1.21	0.26
16708111	Tunnel Station	PRESTON	4911	0.20	269.10	1.33

EIS Identifier	Site Name	Town	SIC	2017 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	4911	0.11	244.31	0.92
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	9711	66.95	144.16	60.02
2662011	WestRock	MONTVILLE	2631	0	0	0
552611	MONTVILLE POWER, LLC	MONTVILLE	4911	123.95	4,145.83	751.26
590111	Millstone Power Station	WATERFORD	4911	5.00	80.80	30.43
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	4953	16.56	2,134.53	412.03
8501611	WHEELABRATOR LISBON INC	LISBON	4953	4.90	1,544.16	86.42
921211	PFIZER INC	GROTON	8731	48.01	698.82	347.48
922211	ELECTRIC BOAT CORP	GROTON	3731	97.61	6.30	1.21
Total for New London County				**743.8**	**9,303**	**1,705**
Tolland						
642611	UNIV OF CT / STORRS	MANSFIELD	8221	51.28	758.79	352.05
Total for Tolland County				**51.28**	**758.8**	**352.0**
Windham						
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	4911	2.70	478.35	146.30
2765911	FRITO-LAY INC	KILLINGLY	2096	129.89	68.99	105.70
2766111	Empire Tire Of Edgewater II LLC	STERLING	4911	0	0	0
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	4922	46.13	34.09	112.64
844711	LAKE ROAD GENERATING CO, LLC	KILLINGLY	4911	70.50	667.22	409.83
844811	Sonoco Protective Solutions, Inc	PUTNAM	3086	174.21	23.13	19.43
Total for Windham County				**423.44**	**1,272**	**793.9**
Connecticut Statewide Total				**9,321**	**48,401**	**17,180**

Table C-4: List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-001-01	External Combustion Electric Generation: Boilers Anthracite Coal Anthracite Coal, Pulverized: Boiler	0.07	18	0.6	((1E-1*S-3E-2)*24.6)+(2.3E0*A)	-	3.9E1*S	0.000565	0.0089	TON
1-01-001-02	External Combustion Electric Generation: Boilers Anthracite Coal Boiler, Traveling Grate (Overfeed) Stoker	0.07	9	0.6	(4.800E0)+(8E-2*A)	(2.500E0)+(8E-2*A)	3.9E1*S	0.000565	0.0089	TON
1-01-002-01	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal, Pulverized: Boiler, Wet Bottom	0.04	31	0.5	((1E-1*S-3E-2)*26)+(2.6E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-01-002-02	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal, Pulverized: Boiler, Dry Bottom	0.06	22	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-01-002-03	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Cyclone Furnace	0.11	33	0.5	((1E-1*S-3E-2)*26)+(2.6E-1*A)	-	3.8E1*S	0.000565	0.013182	TON
1-01-002-04	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Spreader Stoker	0.05	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-01-002-05	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Traveling Grate (Overfeed) Stoker	0.05	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-01-002-11	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Wet Bottom Tangential-fired	-	14	0.5	-	-	3.8E1*S	0.000565	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-002-12	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal, Pulverized: Boiler, Dry Bottom Tangential-fired	0.06	15	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-01-002-15	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cell Burner	-	31	0.5	-	-	3.8E1*S	0.000565	-	TON
1-01-002-17	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.05	15.2	18	12.9	1.88	-	0.000565	-	TON
1-01-002-18	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	-	5	18	12.9	1.88	-	0.000565	-	TON
1-01-002-21	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal, Pulverized: Boiler, Wet Bottom	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-22	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal, Pulverized: Boiler, Dry Bottom	-	7.4	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-23	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cyclone Furnace	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-002-24	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Spreader Stoker	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-01-002-25	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Traveling Grate (Overfeed) Stoker	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-01-002-26	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal, Pulverized: Boiler, Dry Bottom Tangential-fired	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-01-002-35	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cell Burner	-	14	0.5	-	-	3.5E1*S	0.000565	-	TON
1-01-002-37	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.05	15.2	18	16.6	1.88	-	0.000565	-	TON
1-01-002-38	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	-	-	-	-	-	-	0.000565	-	TON
1-01-003-00	External Combustion Electric Generation: Boilers Lignite Pulverized Lignite: Boiler, Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-01-003-01	External Combustion Electric Generation: Boilers Lignite Pulverized Lignite: Boiler, Dry Bottom Wall-fired	-	13	0.25	-	-	3E1*S	0.000565	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-003-02	External Combustion Electric Generation: Boilers Lignite Pulverized Lignite: Boiler, Dry Bottom Tangential-fired	-	7.1	0.6	-	-	3E1*S	0.000565	-	TON
1-01-003-03	External Combustion Electric Generation: Boilers Lignite Cyclone Furnace	-	15	0.6	-	-	3E1*S	0.000565	-	TON
1-01-003-04	External Combustion Electric Generation: Boilers Lignite Boiler, Traveling Grate (Overfeed) Stoker	-	6	6	(1.070E0*A)+6.400E-1	(4.066E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-01-003-06	External Combustion Electric Generation: Boilers Lignite Boiler, Spreader Stoker	-	5.8	5	(1.600E0*A)+6.400E-1	(5.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-01-003-16	External Combustion Electric Generation: Boilers Lignite Boiler, Atmospheric Fluidized Bed (See 101003-17 & -18)	-	3.6	0.15	-	-	1E1*S	0.000565	-	TON
1-01-003-17	External Combustion Electric Generation: Boilers Lignite Boiler, Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.03	3.6	-	-	-	1E1*S	0.000565	-	TON
1-01-003-18	External Combustion Electric Generation: Boilers Lignite Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	0.03	3.6	0.15	-	-	-	0.000565	-	TON
1-01-004-01	External Combustion Electric Generation: Boilers Residual Oil Residual Oil - Grade 6: Boiler, Normal Firing	1.0792	47	5	(5.9E0*(1.12*S+0.37))+(1.500E0)	(4.3E0*(1.12*S+0.37))+(1.500E0)	1.57E2*S	0.8	0.00151	E3GAL
1-01-004-04	External Combustion Electric Generation: Boilers Residual Oil Residual Oil - Grade 6: Boiler, Tangential-fired	1.0792	32	5	(5.9E0*(1.12*S+0.37))+(1.500E0)	(4.3E0*(1.12*S+0.37))+(1.500E0)	1.57E2*S	0.8	0.00151	E3GAL
1-01-004-05	External Combustion Electric Generation: Boilers Residual Oil Grade 5 Oil: Normal Firing	-	47	5	(5.9E0*A)+(1.50E0)	(4.3E0*A)+(1.50E0)	1.57E2*S	0.8	0.0024	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-004-06	External Combustion Electric Generation: Boilers Residual Oil Grade 5 Oil: Tangential Firing	-	32	5	(5.9E0*A)+(1.50E0)	(4.3E0*A)+(1.50E0)	1.57E2*S	0.8	-	E3GAL
1-01-005-01	External Combustion Electric Generation: Boilers Distillate Oil Distillate Oil - Grades 1 and 2: Boiler	0.2	24	5	2.3	1.55	1.42E2*S	0.8	0.00126	E3GAL
1-01-005-04	External Combustion Electric Generation: Boilers Distillate Oil Distillate Oil - Grade 4: Boiler, Normal Firing	1.1324	47	5	(5.9E0*A)+(1.50E0)	(4.3E0*A)+(1.50E0)	1.5E2*S	0.8	0.0004	E3GAL
1-01-005-05	External Combustion Electric Generation: Boilers Distillate Oil Distillate Oil - Grade 4: Boiler, Tangential-fired	1.1324	32	5	6.5	5.1	1.5E2*S	0.8	0.0004	E3GAL
1-01-006-01	External Combustion Electric Generation: Boilers Natural Gas Boiler, >= 100 Million BTU/hr	5.5	280	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-006-02	External Combustion Electric Generation: Boilers Natural Gas Boiler < 100 Million BTU, except tangential	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-006-04	External Combustion Electric Generation: Boilers Natural Gas Boiler, Tangential-fired	5.5	170	24	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-007-01	External Combustion Electric Generation: Boilers Process Gas Boiler, >= 100 Million BTU/hr	0.43	100	6.57	8.7	7.41	3.5	-	-	E6FT3
1-01-007-02	External Combustion Electric Generation: Boilers Process Gas Boiler < 100 Million Btu/hr	0.43	100	6.57	8.7	7.41	3.5	-	-	E6FT3
1-01-008-01	External Combustion Electric Generation: Boilers Petroleum Coke All Boiler Sizes	0.07	21	0.6	-	-	3.9E1*S	-	-	TON
1-01-009-01	External Combustion Electric Generation: Boilers Wood/Bark Waste Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-009-02	External Combustion Electric Generation: Boilers Wood/Bark Waste Wood/Bark-Fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON
1-01-009-03	External Combustion Electric Generation: Boilers Wood/Bark Waste Wood-fired Boiler - Wet Wood (>=20% moisture)	0.153	1.98	5.4	((1.70E-02)+(2.90E-01))*9	-	0.225	-	0.000432	TON
1-01-009-08	External Combustion Electric Generation: Boilers Wood/Bark Waste Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-01-009-10	External Combustion Electric Generation: Boilers Wood/Bark Waste Fuel cell/Dutch oven boilers	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-01-009-11	External Combustion Electric Generation: Boilers Wood/Bark Waste Stoker boilers	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-01-009-12	External Combustion Electric Generation: Boilers Wood/Bark Waste Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON
1-01-010-01	External Combustion Electric Generation: Boilers Liquified Petroleum Gas (LPG) Butane	0.26	21	3.6	1.14	1.14	9.5E-2*S	-	-	E3GAL
1-01-010-02	External Combustion Electric Generation: Boilers Liquified Petroleum Gas (LPG) Propane	0.459	19	3.1	1.11	0.848	9.5E-2*S	-	-	E3GAL
1-01-011-01	External Combustion Electric Generation: Boilers Bagasse All Boiler Sizes	-	1.2	-	-	-	-	-	-	TON
1-01-012-01	External Combustion Electric Generation: Boilers Solid Waste Specify Waste Material in Comments	-	-	-	-	-	-	-	0.265	TON
1-01-012-02	External Combustion Electric Generation: Boilers Solid Waste Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-013-01	External Combustion Electric Generation: Boilers Liquid Waste Specify Waste Material in Comments	1	-	-	-	-	-	-	-	E3GAL
1-01-013-02	External Combustion Electric Generation: Boilers Liquid Waste Waste Oil	1	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-02-001-01	External Combustion Industrial: Boilers Anthracite Coal Pulverized Coal	0.07	18	0.6	((1E-1*S-3E-2)*24.6)+(2.3E0*A)	-	3.9E1*S	0.000565	0.0089	TON
1-02-001-04	External Combustion Industrial: Boilers Anthracite Coal Traveling Grate (Overfeed) Stoker	0.07	9	0.6	(4.800E0)+(8E-2*A)	(2.500E0)+(8E-2*A)	-	0.000565	0.0089	TON
1-02-001-07	External Combustion Industrial: Boilers Anthracite Coal Hand-fired	10	3	90	-	-	3.9E1*S	0.000565	0.0089	TON
1-02-001-17	External Combustion Industrial: Boilers Anthracite Coal Fluidized Bed Boiler Burning Anthracite-Culm Fuel	-	1.8	0.3	-	-	2.9	0.000565	-	TON
1-02-002-01	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Wet Bottom	0.0328	31	0.5	((1E-1*S-3E-2)*26)+(2.6E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-02-002-02	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Dry Bottom	0.0492	22	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	0.0142	TON
1-02-002-03	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cyclone Furnace	0.0902	33	0.5	((1E-1*S-3E-2)*26)+(2.6E-1*A)	-	3.8E1*S	0.000565	0.013182	TON
1-02-002-04	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Spreader Stoker	0.041	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-02-002-05	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.041	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-002-06	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Underfeed Stoker	1.066	9.5	11	7.24	4.84	3.1E1*S	0.000565	0.013182	TON
1-02-002-10	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.07	7.5	6	7.04	3.24	3.9E1*S	0.000565	0.0133	TON
1-02-002-12	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	0.0492	15	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-02-002-13	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Wet Slurry	-	-	-	-	-	-	0.000565	-	TON
1-02-002-17	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.041	15.2	18	12.9	1.88	-	0.000565	-	TON
1-02-002-18	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Circulating Bed	-	5	18	12.9	1.88	-	0.000565	-	TON
1-02-002-19	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cogeneration	0.07	15	0.6	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.9E1*S	0.000565	-	TON
1-02-002-21	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Wet Bottom	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-22	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom	-	12	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-002-23	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cyclone Furnace	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-24	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Spreader Stoker	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-02-002-25	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Traveling Grate (Overfeed) Stoker	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-02-002-26	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-02-002-29	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cogeneration	0.06	14.4	0.6	-	-	3.5E1*S	0.000565	-	TON
1-02-003-00	External Combustion Industrial: Boilers Lignite Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-02-003-01	External Combustion Industrial: Boilers Lignite Pulverized Coal: Dry Bottom, Wall Fired	0.07	-	-	-	-	3E1*S	0.000565	-	TON
1-02-003-02	External Combustion Industrial: Boilers Lignite Pulverized Coal: Dry Bottom, Tangential Fired	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-02-003-03	External Combustion Industrial: Boilers Lignite Cyclone Furnace	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-02-003-04	External Combustion Industrial: Boilers Lignite Traveling Grate (Overfeed) Stoker	0.07	6	6	(1.070E0*A)+6.400E-1	(4.066E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-02-003-06	External Combustion Industrial: Boilers Lignite Spreader Stoker	0.07	-	5	(1.600E0*A)+6.400E-1	(5.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-02-003-07	External Combustion Industrial: Boilers Lignite Cogeneration	0.07	7.3	0.6	(2.3E0*A)+6.400E-1	(6.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-004-01	External Combustion Industrial: Boilers Residual Oil Grade 6 Oil	0.3976	47	5	8.03E0*S+4.15E0	5.23E0*S+3.23E0	1.57E2*S	0.8	0.0015	E3GAL
1-02-004-02	External Combustion Industrial: Boilers Residual Oil 10-100 Million BTU/hr	0.3976	55	5	(7.17E0*(1.12*S+0.37))+(1.50E0)	(4.67E0*(1.12*S+0.37))+(1.50E0)	1.57E2*S	0.8	0.0015	E3GAL
1-02-004-03	External Combustion Industrial: Boilers Residual Oil < 10 Million BTU/hr	-	55	5	(7.17E0*A)+(1.50E0)	(4.67E0*A)+(1.50E0)	1.57E2*S	0.8	-	E3GAL
1-02-004-04	External Combustion Industrial: Boilers Residual Oil Grade 5 Oil	-	47	5	10.1	7.1	1.57E2*S	0.8	-	E3GAL
1-02-004-05	External Combustion Industrial: Boilers Residual Oil Cogeneration	0.28	55	5	(7.90E0*S+2.77E0)+1.50E0	(1.226*S+1.803E0)+1.50E0	1.586E2*S	0.8	0.0015	E3GAL
1-02-005-01	External Combustion Industrial: Boilers Distillate Oil Distillate Oil - Grades 1 and 2: Boiler	0.298	24	5	2.3	1.55	1.42E2*S	0.8	0.00126	E3GAL
1-02-005-02	External Combustion Industrial: Boilers Distillate Oil 10-100 Million BTU/hr	0.298	20	5	2.3	1.55	1.42E2*S	0.8	0.0012	E3GAL
1-02-005-03	External Combustion Industrial: Boilers Distillate Oil < 10 Million BTU/hr	0.298	20	5	2.3	1.55	1.42E2*S	0.8	0.0012	E3GAL
1-02-005-04	External Combustion Industrial: Boilers Distillate Oil Grade 4 Oil	0.298	47	5	7.5	5.4	1.5E2*S	0.8	0.0004	E3GAL
1-02-005-05	External Combustion Industrial: Boilers Distillate Oil Cogeneration	0.2	20	5	2.3	1.55	1.436E2*S	0.8	-	E3GAL
1-02-006-01	External Combustion Industrial: Boilers Natural Gas > 100 Million Btu/hr	5.5	280	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-02	External Combustion Industrial: Boilers Natural Gas 10-100 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-03	External Combustion Industrial: Boilers Natural Gas < 10 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-04	External Combustion Industrial: Boilers Natural Gas Cogeneration	5.5	170	24	7.6	7.6	0.6	3.2	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-006-99	External Combustion Boilers Industrial Natural Gas IND BLR: NAT GAS	5.94	100	84	-	-	0.6	-	-	E6FT3
1-02-007-01	External Combustion Industrial: Boilers Process Gas Petroleum Refinery Gas	2.8	140	35	8.7	8.7	9.5E2*S	-	-	E6FT3
1-02-007-04	External Combustion Industrial: Boilers Process Gas Blast Furnace Gas	-	23	13.7	8.6	8.6	9.5E2*S	-	-	E6FT3
1-02-007-07	External Combustion Industrial: Boilers Process Gas Coke Oven Gas	1.2	80	18.4	10.1	8.92	6.8E2*S	-	-	E6FT3
1-02-007-10	External Combustion Industrial: Boilers Process Gas Cogeneration	2.8	-	-	-	-	-	-	-	E6FT3
1-02-008-02	External Combustion Industrial: Boilers Petroleum Coke All Boiler Sizes	0.07	14	0.6	-	-	3.9E1*S	-	-	TON
1-02-008-04	External Combustion Industrial: Boilers Petroleum Coke Cogeneration	0.07	14	0.6	-	-	3.9E1*S	-	-	TON
1-02-009-01	External Combustion Industrial: Boilers Wood/Bark Waste Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON
1-02-009-02	External Combustion Industrial: Boilers Wood/Bark Waste Wood/Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON
1-02-009-03	External Combustion Industrial: Boilers Wood/Bark Waste Wood-fired Boiler - Wet Wood (>=20% moisture)	0.153	1.98	5.4	((1.70E-02)+(2.90E-01))*9	-	0.225	-	0.000432	TON
1-02-009-04	External Combustion Industrial: Boilers Wood/Bark Waste Bark-fired Boiler (< 50,000 Lb Steam)	0.22	1.5	13.6	-	-	0.07	-	0.0029	TON
1-02-009-05	External Combustion Industrial: Boilers Wood/Bark Waste Wood/Bark-fired Boiler (< 50,000 Lb Steam)	1.4	1.5	13.6	-	-	0.07	-	-	TON
1-02-009-06	External Combustion Industrial: Boilers Wood/Bark Waste Wood-fired Boiler (< 50,000 Lb Steam)	1.4	1.5	13.6	-	-	0.07	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-009-07	External Combustion Industrial: Boilers Wood/Bark Waste Wood Cogeneration	1.4	2.8	4	-	-	0.15	-	-	TON
1-02-009-08	External Combustion Industrial: Boilers Wood/Bark Waste Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-02-009-10	External Combustion Industrial: Boilers Wood/Bark Waste Fuel cell/Dutch oven boilers	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-02-009-11	External Combustion Industrial: Boilers Wood/Bark Waste Stoker boilers	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-02-009-12	External Combustion Industrial: Boilers Wood/Bark Waste Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON
1-02-010-01	External Combustion Industrial: Boilers Liquified Petroleum Gas (LPG) Butane	0.648	21	3.6	1.14	1.14	9.000E-2*S	-	-	E3GAL
1-02-010-02	External Combustion Industrial: Boilers Liquified Petroleum Gas (LPG) Propane	0.54	19	3.2	1.11	1.11	1.000E-1*S	-	-	E3GAL
1-02-011-01	External Combustion Industrial: Boilers Bagasse All Boiler Sizes	-	1.2	-	-	-	-	-	-	TON
1-02-012-01	External Combustion Industrial: Boilers Solid Waste Specify Waste Material in Comments	2	5.9	-	-	-	1.6	-	-	TON
1-02-012-02	External Combustion Industrial: Boilers Solid Waste Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	0.13	TON
1-02-013-01	External Combustion Industrial: Boilers Liquid Waste Specify Waste Material in Comments	1	23	-	-	-	28	-	-	E3GAL
1-02-013-02	External Combustion Industrial: Boilers Liquid Waste Waste Oil	1.42	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-02-014-01	External Combustion Industrial: Boilers CO Boiler Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-014-02	External Combustion Industrial: Boilers CO Boiler Process Gas	2.8	140	35	-	-	9.5E2*S	-	-	E6FT3
1-02-014-03	External Combustion Industrial: Boilers CO Boiler Distillate Oil	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
1-02-014-04	External Combustion Industrial: Boilers CO Boiler Residual Oil	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
1-03-001-01	External Combustion Commercial/Institutional: Boilers Anthracite Coal Pulverized Coal	0.07	18	0.6	((1E-1*S-3E-2)*24.6)+(2.3E0*A)	-	3.9E1*S	0.000565	0.0089	TON
1-03-001-02	External Combustion Commercial/Institutional: Boilers Anthracite Coal Traveling Grate (Overfeed) Stoker	0.07	9	0.6	(4.800E0)+(8E-2*A)	(2.500E0)+(8E-2*A)	-	0.000565	0.0089	TON
1-03-001-03	External Combustion Commercial/Institutional: Boilers Anthracite Coal Hand-fired	10	3	90	-	-	3.9E1*S	0.000565	0.0089	TON
1-03-002-03	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cyclone Furnace	-	33	0.5	-	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-05	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Wet Bottom	0.04	31	0.5	((1E-1*S-3E-2)*26)+(2.6E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-06	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Dry Bottom	0.06	22	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-07	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.05	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-03-002-08	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Underfeed Stoker	1.3	9.5	11	7.24	4.84	3.1E1*S	0.000565	0.0142	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-002-09	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Spreader Stoker	0.05	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-03-002-11	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.07	7.5	6	7.04	3.24	3.9E1*S	0.000565	-	TON
1-03-002-14	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Hand-fired	10	9.1	275	-	-	3.1E1*S	0.000565	0.0142	TON
1-03-002-16	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	0.06	15	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-03-002-17	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.05	15.2	18	12.9	1.88	-	0.000565	-	TON
1-03-002-18	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Circulating Bed	-	5	18	12.9	1.88	-	0.000565	-	TON
1-03-002-21	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Wet Bottom	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-002-22	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom	-	12	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-03-002-23	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cyclone Furnace	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-03-002-24	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Spreader Stoker	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-03-002-25	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Traveling Grate (Overfeed) Stoker	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-03-002-26	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-03-003-00	External Combustion Commercial/Institutional: Boilers Lignite Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-03-003-05	External Combustion Commercial/Institutional: Boilers Lignite Pulverized Coal: Dry Bottom, Wall Fired	0.07	-	-	-	-	3E1*S	0.000565	-	TON
1-03-003-06	External Combustion Commercial/Institutional: Boilers Lignite Pulverized Coal: Dry Bottom, Tangential Fired	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-003-07	External Combustion Commercial/Institutional: Boilers Lignite Traveling Grate (Overfeed) Stoker	0.07	6	6	(1.070E0*A)+6.400E-1	(4.066E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-03-003-09	External Combustion Commercial/Institutional: Boilers Lignite Spreader Stoker	0.07	-	5	(1.600E0*A)+6.400E-1	(5.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-03-004-01	External Combustion Commercial/Institutional: Boilers Residual Oil Residual Oil - Grade 6: Boiler	1.6046	47	5	5.17E0*(1.12*S+0.37)+(1.500E0)	1.92E0*(1.12*S+0.37) +(1.500E0)	1.57E2*S	0.8	0.0015	E3GAL
1-03-004-02	External Combustion Commercial/Institutional: Boilers Residual Oil 10-100 Million BTU/hr	1.6046	55	5	(5.17E0*A)+(1.50E0)	(1.92E0*A)+(1.50E0)	1.57E2*S	0.8	0.0015	E3GAL
1-03-004-03	External Combustion Commercial/Institutional: Boilers Residual Oil < 10 Million BTU/hr	-	55	5	(5.17E0*A)+(1.50E0)	(1.92E0*A)+(1.50E0)	1.57E2*S	0.8	-	E3GAL
1-03-004-04	External Combustion Commercial/Institutional: Boilers Residual Oil Grade 5 Oil	-	55	5	7.7	3.8	1.57E2*S	0.8	-	E3GAL
1-03-005-01	External Combustion Commercial/Institutional: Boilers Distillate Oil Distillate Oil - Grades 1 and 2: Boiler	0.5066	24	5	2.38	2.13	1.42E2*S	0.8	0.00126	E3GAL
1-03-005-02	External Combustion Commercial/Institutional: Boilers Distillate Oil 10-100 Million BTU/hr	0.5066	20	5	2.38	2.13	1.42E2*S	0.8	-	E3GAL
1-03-005-03	External Combustion Commercial/Institutional: Boilers Distillate Oil < 10 Million BTU/hr	0.5066	20	5	2.38	2.13	1.42E2*S	0.8	-	E3GAL
1-03-005-04	External Combustion Commercial/Institutional: Boilers Distillate Oil Grade 4 Oil	0.5066	20	5	2.38	2.13	1.5E2*S	0.8	0.0004	E3GAL
1-03-006-01	External Combustion Commercial/Institutional: Boilers Natural Gas > 100 Million Btu/hr	5.5	280	84	7.6	7.6	0.6	0.49	0.0005	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-006-02	External Combustion Commercial/Institutional: Boilers Natural Gas 10-100 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-006-03	External Combustion Commercial/Institutional: Boilers Natural Gas < 10 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-007-01	External Combustion Commercial/Institutional: Boilers Process Gas POTW Digester Gas-fired Boiler	3	-	-	-	-	4.5	-	-	E6FT3
1-03-009-01	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON
1-03-009-02	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Wood/Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON
1-03-009-03	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Wood-fired Boiler - Wet Wood (>=20% moisture)	0.153	1.98	5.4	((1.70E-02)+(2.90E-01))*9	-	0.225	-	0.000432	TON
1-03-009-08	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-03-009-10	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Fuel cell/Dutch oven boilers	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-03-009-11	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Stoker boilers	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-03-009-12	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-010-01	External Combustion Commercial/Institutional: Boilers Liquified Petroleum Gas (LPG) Butane	0.5	15	2.1	1.04	1.04	9.000E-2*S	-	-	E3GAL
1-03-010-02	External Combustion Commercial/Institutional: Boilers Liquified Petroleum Gas (LPG) Propane	0.5076	14	1.9	0.906	0.906	1.000E-1*S	-	-	E3GAL
1-03-012-01	External Combustion Commercial/Institutional: Boilers Solid Waste Specify Waste Material in Comments	2	5.9	-	-	-	1.6	-	-	TON
1-03-012-02	External Combustion Commercial/Institutional: Boilers Solid Waste Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	0.13	TON
1-03-013-01	External Combustion Commercial/Institutional: Boilers Liquid Waste Specify Waste Material in Comments	1	-	-	-	-	-	-	-	E3GAL
1-03-013-02	External Combustion Commercial/Institutional: Boilers Liquid Waste Waste Oil	0.142	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-05-001-01	External Combustion Boilers Space Heaters Industrial IND SPACE HEATER:ANT COAL	0.0574	18	0.6	-	-	39*S	-	0.0133	TON
1-05-001-02	External Combustion Space Heaters Industrial Coal	-	3	-	-	-	3.9E1*S	0.000565	-	TON
1-05-001-05	External Combustion Space Heaters Industrial Distillate Oil	0.298	20	5	3.76	1.92	1.436E2*S	0.8	0.0012	E3GAL
1-05-001-06	External Combustion Space Heaters Industrial Natural Gas	5.3	100	20	8.7	8.7	0.6	-	-	E6FT3
1-05-001-10	External Combustion Space Heaters Industrial Liquified Petroleum Gas (LPG)	0.54	20	3.4	1.13	1.13	9.5E-2*S	-	-	E3GAL
1-05-001-13	External Combustion Space Heaters Industrial Waste Oil: Air Atomized Burner	1	16	2.1	(5.700E1*A)+1.500E0	(4.554E1*A)+1.50E0	1.07E2*S	-	2	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-05-001-14	External Combustion Space Heaters Industrial Waste Oil: Vaporizing Burner	1	11	1.7	(2.49E0*A)+1.50E0	(1.93E0*A)+1.50E0	1E2*S	-	0.0164	E3GAL
1-05-002-01	External Combustion Boilers Space Heaters Commercial/Institutional COM SPACE HEATER:ANT COAL	0.07	18	0.6	-	-	39*S	-	0.0133	TON
1-05-002-02	External Combustion Space Heaters Commercial/Institutional Coal	-	3	-	-	-	3.9E1*S	0.000565	-	TON
1-05-002-05	External Combustion Space Heaters Commercial/Institutional Distillate Oil	0.7	20	5	3.76	1.92	1.436E2*S	0.8	0.0012	E3GAL
1-05-002-06	External Combustion Space Heaters Commercial/Institutional Natural Gas	5.3	100	20	8.7	8.7	0.6	-	-	E6FT3
1-05-002-09	External Combustion Space Heaters Commercial/Institutional Wood	1.4	1.5	13.6	-	-	0.075	-	-	TON
1-05-002-10	External Combustion Space Heaters Commercial/Institutional Liquified Petroleum Gas (LPG)	0.54	14.5	2	0.976	0.976	9.5E-2*S	-	-	E3GAL
1-05-002-13	External Combustion Space Heaters Commercial/Institutional Waste Oil: Air Atomized Burner	1	16	2.1	(5.700E1*A)+1.500E0	(4.554E1*A)+1.50E0	1.07E2*S	-	2	E3GAL
1-05-002-14	External Combustion Space Heaters Commercial/Institutional Waste Oil: Vaporizing Burner	1	11	1.7	(2.49E0*A)+1.50E0	(1.93E0*A)+1.50E0	1E2*S	-	0.0164	E3GAL
2-01-001-01	Internal Combustion Engines Electric Generation Distillate Oil (Diesel) Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-01-001-02	Internal Combustion Engines Electric Generation Distillate Oil (Diesel) Reciprocating	57.96	604	130	-	-	39.7	-	-	E3GAL
2-01-002-01	Internal Combustion Engines Electric Generation Natural Gas Turbine	2.1	320	82	0.31	0.19	(9.4E-1*S)*1000	-	-	E6FT3
2-01-002-02	Internal Combustion Engines Electric Generation Natural Gas Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-01-009-01	Internal Combustion Engines Electric Generation Kerosene/Naphtha (Jet Fuel) Turbine	0.0684	118.8	0.4455	-	-	(1.01*S)*135	-	0.0019	E3GAL
2-01-009-02	Internal Combustion Engines Electric Generation Kerosene/Naphtha (Jet Fuel) Reciprocating	42.75	595.35	128.25	-	-	39.15	-	-	E3GAL
2-02-001-01	Internal Combustion Engines Industrial Distillate Oil (Diesel) Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-02-001-02	Internal Combustion Engines Industrial Distillate Oil (Diesel) Reciprocating	57.96	604	130	-	-	-	-	-	E3GAL
2-02-001-03	Internal Combustion Engines Industrial Distillate Oil (Diesel) Turbine: Cogeneration	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-02-001-04	Internal Combustion Engines Industrial Distillate Oil (Diesel) Reciprocating: Cogeneration	57.96	604	130	-	-	39.7	-	-	E3GAL
2-02-002-01	Internal Combustion Engines Industrial Natural Gas Turbine	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-02-002-02	Internal Combustion Engines Industrial Natural Gas Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-02-002-03	Internal Combustion Engines Industrial Natural Gas Turbine: Cogeneration	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-02-002-04	Internal Combustion Engines Industrial Natural Gas Reciprocating: Cogeneration	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-02-002-52	Internal Combustion Engines Industrial Natural Gas 2-cycle Lean Burn	120	3170	386	48.3	48.3	0.588	-	-	E6FT3
2-02-002-53	Internal Combustion Engines Industrial Natural Gas 4-cycle Rich Burn	29.6	2270	3720	19.4	19.4	0.588	-	-	E6FT3
2-02-002-54	Internal Combustion Engines Industrial Natural Gas 4-cycle Lean Burn	118	4080	557	9.99	9.99	0.588	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-02-003-01	Internal Combustion Engines Industrial Gasoline Reciprocating	281.1	205	7900	-	-	10.6	-	-	E3GAL
2-02-004-01	Internal Combustion Engines Industrial Other Fuels Diesel: Large Bore Engine	11.5	438	116	7.85	7.55	1.38E2*S	-	-	E3GAL
2-02-004-02	Internal Combustion Engines Industrial Other Fuels Dual Fuel (Oil/Gas): Large Bore Engine	-	-	-	57.3	55.6	-	-	-	E6FT3
2-02-004-03	Internal Combustion Engines Industrial Other Fuels Dual Fuel: Large Bore Engine: Cogeneration	-	-	-	0.0573	0.0556	-	-	-	E6BTU
2-02-005-01	Internal Combustion Engines Industrial Residual/Crude Oil Reciprocating	32.1	604	130	-	-	1.55E2*S	-	-	E3GAL
2-02-009-01	Internal Combustion Engines Industrial Kerosene/Naphtha (Jet Fuel) Turbine	5.4378	118.8	0.4455	1.593	1.4985	(1.01*S)*135	-	-	E3GAL
2-02-009-02	Internal Combustion Engines Industrial Kerosene/Naphtha (Jet Fuel) Reciprocating	42.75	595.35	128.25	-	-	39.15	-	-	E3GAL
2-03-001-01	Internal Combustion Engines Commercial/Institutional Distillate Oil (Diesel) Reciprocating	57.96	604	130	-	-	-	-	-	E3GAL
2-03-001-02	Internal Combustion Engines Commercial/Institutional Distillate Oil (Diesel) Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-03-001-03	Internal Combustion Engines Commercial/Institutional Distillate Oil (Diesel) COM/INS TURB:#2 OIL,COGEN	2.7132	97.72	6.72	-	-	141.4*S	-	0.0081	E3GAL
2-03-002-01	Internal Combustion Engines Commercial/Institutional Natural Gas Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-03-002-02	Internal Combustion Engines Commercial/Institutional Natural Gas Turbine	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-03-002-03	Internal Combustion Engines Commercial/Institutional Natural Gas Turbine: Cogeneration	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-03-003-01	Internal Combustion Engines Commercial/Institutional Gasoline Reciprocating	282.1	205	7900	-	-	10.6	-	-	E3GAL
2-03-004-01	Internal Combustion Engines Commercial/Institutional Diesel Large Bore Engine	11.5	438	116	7.85	7.55	1.38E2*S	-	-	E3GAL
2-03-007-01	Internal Combustion Engines Commercial/Institutional Digester Gas Turbine	3.48	96	10.2	8.88	8.88	3.9	-	0.00204	E6FT3
2-03-008-01	Internal Combustion Engines Commercial/Institutional Landfill Gas Turbine	0.013	0.14	0.44	0.0248	0.0248	0.045	-	-	E6BTU
2-03-010-01	Internal Combustion Engines Commercial/Institutional Liquified Petroleum Gas (LPG) Propane: Reciprocating	34.03	139	129	-	-	0.35	-	-	E3GAL
2-03-010-02	Internal Combustion Engines Commercial/Institutional Liquified Petroleum Gas (LPG) Butane: Reciprocating	34.03	139	129	-	-	0.35	-	-	E3GAL
2-04-001-01	Internal Combustion Engines Engine Testing Aircraft Engine Testing Turbojet	52.44	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-02	Internal Combustion Engines Engine Testing Aircraft Engine Testing Turboshaft	52.44	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-10	Internal Combustion Engines Engine Testing Aircraft Engine Testing Jet A Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-11	Internal Combustion Engines Engine Testing Aircraft Engine Testing JP-5 Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-12	Internal Combustion Engines Engine Testing Aircraft Engine Testing JP-4 Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-04-001-99	Internal Combustion Engines Engine Testing Aircraft Engine Testing Other Not Classified	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-003-01	Internal Combustion Engines Engine Testing Turbine Natural Gas	6.9	300	120	18.8	18.8	0.6	-	-	E6FT3
2-04-003-02	Internal Combustion Engines Engine Testing Turbine Diesel/Kerosene	1.9557	97.7	6.72	-	-	1.4E2*S	-	-	E3GAL
2-04-004-01	Internal Combustion Engines Engine Testing Reciprocating Engine Gasoline	148	102	3940	-	-	5.31	-	-	E3GAL
2-04-004-02	Internal Combustion Engines Engine Testing Reciprocating Engine Diesel/Kerosene	32.1	604	130	-	-	39.7	-	-	E3GAL
3-01-001-01	Industrial Processes Chemical Manufacturing Adipic Acid General	42.7	-	115	-	-	-	-	-	TON
3-01-001-02	Industrial Processes Chemical Manufacturing Adipic Acid Raw Material Storage	2.2	-	-	-	-	-	-	-	TON
3-01-001-03	Industrial Processes Chemical Manufacturing Adipic Acid Cyclohexane Oxidation	0.55	1.4	0.49	-	-	-	-	-	TON
3-01-001-04	Industrial Processes Chemical Manufacturing Adipic Acid Nitric Acid Reaction	0.014	1.6	0.28	-	-	-	-	-	TON
3-01-001-05	Industrial Processes Chemical Manufacturing Adipic Acid Adipic Acid Refining	0.5	0.6	-	-	-	-	-	-	TON
3-01-001-06	Industrial Processes Chemical Manufacturing Adipic Acid Drying, Loading, and Storage	0.1	-	-	-	-	-	-	-	TON
3-01-001-07	Industrial Processes Chemical Manufacturing Adipic Acid Absorber	0.4	94.8	-	-	-	-	-	-	TON
3-01-001-80	Industrial Processes Chemical Manufacturing Adipic Acid Fugitive Emissions: General	61800	-	-	-	-	-	-	-	EACH
3-01-003-05	Industrial Processes Chemical Manufacturing Ammonia Production Feedstock Desulfurization	7.2	-	13.8	-	-	0.0576	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-003-06	Industrial Processes Chemical Manufacturing Ammonia Production Primary Reformer: Natural Gas Fired	0.012	5.4	0.136	-	-	0.0048	-	-	TON
3-01-003-07	Industrial Processes Chemical Manufacturing Ammonia Production Primary Reformer: Oil Fired	0.38	5.4	0.24	-	-	2.6	-	-	TON
3-01-003-08	Industrial Processes Chemical Manufacturing Ammonia Production Carbon Dioxide Regenerator	1.04	-	2	-	-	-	2	-	TON
3-01-003-09	Industrial Processes Chemical Manufacturing Ammonia Production Condensate Stripper	1.2	-	-	-	-	-	2.2	-	TON
3-01-005-04	Industrial Processes Chemical Manufacturing Carbon Black Production Oil Furnace Process: Main Process Vent	100	0.56	2800	-	-	-	-	-	TON
3-01-005-07	Industrial Processes Chemical Manufacturing Carbon Black Production Pellet Dryer	0.4	0.73	-	-	-	-	-	-	TON
3-01-005-10	Industrial Processes Chemical Manufacturing Carbon Black Production Main Process Vent with CO Boiler and Incinerator	1.98	9.3	1.75	-	-	35.2	-	-	TON
3-01-006-01	Industrial Processes Chemical Manufacturing Charcoal Manufacturing General	276.32	24	344	-	-	-	-	-	TON
3-01-006-03	Industrial Processes Chemical Manufacturing Charcoal Manufacturing Batch Kiln	270	24	290	-	-	-	-	-	TON
3-01-006-04	Industrial Processes Chemical Manufacturing Charcoal Manufacturing Continuous Kiln	270	24	290	-	-	-	-	-	TON
3-01-009-01	Industrial Processes Chemical Manufacturing Cleaning Chemicals Spray Drying: Soaps and Detergents	0.05	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-010-11	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Nitration Reactors Fume Recovery	-	25	-	-	-	-	-	-	TON
3-01-010-12	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Nitration Reactors Acid Recovery	-	55	-	-	-	-	-	-	TON
3-01-010-13	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Nitric Acid Concentrators	-	37	-	-	-	-	-	-	TON
3-01-010-14	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Sulfuric Acid Concentrators	-	40	-	-	-	14	-	-	TON
3-01-010-15	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Red Water Incinerator	1.1	26	-	-	-	2	-	-	TON
3-01-010-21	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Continuous Process: Nitration Reactor Fume Recover (Use 3-01-010-51)	-	8	-	-	-	-	-	-	TON
3-01-010-22	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Continuous Process: Nitration Reactor Acid Recover (Use 3-01-010-52)	-	3	-	-	-	-	-	-	TON
3-01-010-23	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Continuous Process: Red Water Incinerator (Use 3-01-010-53)	1.1	7	-	-	-	0.24	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-010-30	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Open Burning: Waste	1.1	150	56	-	-	-	-	-	TON
3-01-012-02	Industrial Processes Chemical Manufacturing Hydroflouric Acid Rotary Kiln: Acid Reactor	-	0.07	-	-	-	2.7	-	-	TON
3-01-012-03	Industrial Processes Chemical Manufacturing Hydroflouric Acid Fluorspar Grinding/Drying	-	0.145	-	-	-	-	-	-	TON
3-01-012-06	Industrial Processes Chemical Manufacturing Hydroflouric Acid Tail Gas Vent	-	-	-	-	-	45	-	-	TON
3-01-013-01	Industrial Processes Chemical Manufacturing Nitric Acid Absorber Tail Gas (Pre-1970 Facilities)	-	43	-	-	-	-	-	-	TON
3-01-013-02	Industrial Processes Chemical Manufacturing Nitric Acid Absorber Tail Gas (Post-1970 Facilities)	-	57	-	-	-	-	-	-	TON
3-01-013-03	Industrial Processes Chemical Manufacturing Nitric Acid Nitric Acid Concentrators (Pre-1970 Facilities)	-	10	-	-	-	-	-	-	TON
3-01-013-04	Industrial Processes Chemical Manufacturing Nitric Acid Nitric Acid Concentrators (Post-1970 Facilities)	-	10	-	-	-	-	-	-	TON
3-01-014-01	Industrial Processes Chemical Manufacturing Paint Manufacture General Mixing and Handling	30	-	-	-	-	-	-	-	TON
3-01-015-01	Industrial Processes Chemical Manufacturing Varnish Manufacturing Bodying Oil	40	-	-	-	-	-	-	-	TON
3-01-015-02	Industrial Processes Chemical Manufacturing Varnish Manufacturing Oleoresinous	150	-	-	-	-	-	-	-	TON
3-01-015-03	Industrial Processes Chemical Manufacturing Varnish Manufacturing Alkyd	160	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-015-05	Industrial Processes Chemical Manufacturing Varnish Manufacturing Acrylic	20	-	-	-	-	-	-	-	TON
3-01-018-01	Industrial Processes Chemical Manufacturing Plastics Production Polyvinyl Chlorides and Copolymers (Use 6-46-3X0-XX)	17	200	-	-	-	0.025	-	-	TON
3-01-018-02	Industrial Processes Chemical Manufacturing Plastics Production Polypropylene and Copolymers	0.7	131	-	-	-	-	-	-	TON
3-01-018-05	Industrial Processes Chemical Manufacturing Plastics Production Phenolic Resins	0.0000067	-	-	-	-	-	-	-	
3-01-018-09	Industrial Processes Chemical Manufacturing Plastics Production Extruder	11	-	-	-	-	-	-	-	TON
3-01-018-10	Industrial Processes Chemical Manufacturing Plastics Production Conveying	0.46	-	-	-	-	-	-	-	TON
3-01-018-11	Industrial Processes Chemical Manufacturing Plastics Production Storage	0.01	-	-	-	-	-	-	-	TON
3-01-018-14	Industrial Processes Chemical Manufacturing Plastics Production Extruder	66	-	-	-	-	-	-	-	TON
3-01-018-17	Industrial Processes Chemical Manufacturing Plastics Production General	6.68	-	-	-	-	-	-	-	TON
3-01-018-19	Industrial Processes Chemical Manufacturing Plastics Production Solvent Recovery	3.2	-	-	-	-	-	-	-	TON
3-01-018-21	Industrial Processes Chemical Manufacturing Plastics Production Extruding/Pelletizing/Conveying/Storage	0.3	-	-	-	-	-	-	-	TON
3-01-018-27	Industrial Processes Chemical Manufacturing Plastics Production Polyamide Resins	-	1	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-018-32	Industrial Processes Chemical Manufacturing Plastics Production Urea-Formaldehyde Resins	14.7	-	-	-	-	-	-	-	TON
3-01-018-37	Industrial Processes Chemical Manufacturing Plastics Production Polyester Resins	0.5	-	-	-	-	-	-	-	TON
3-01-018-42	Industrial Processes Chemical Manufacturing Plastics Production Melamine Resins	50	-	-	-	-	-	-	-	TON
3-01-018-47	Industrial Processes Chemical Manufacturing Plastics Production Epoxy Resins	5.1	-	-	-	-	-	-	-	TON
3-01-018-49	Industrial Processes Chemical Manufacturing Plastics Production Acrylonitrile-Butadiene-Styrene (ABS) Resin	60	-	-	-	-	-	-	-	TON
3-01-018-70	Industrial Processes Chemical Manufacturing Plastics Production Polyether Resins: Reactor	50	-	-	-	-	-	-	-	TON
3-01-018-80	Industrial Processes Chemical Manufacturing Plastics Production Polyurethane: Reactor	52	-	-	-	-	-	-	-	TON
3-01-018-92	Industrial Processes Chemical Manufacturing Plastics Production Separation Processes	2	-	-	-	-	-	-	-	TON
3-01-018-99	Industrial Processes Chemical Manufacturing Plastics Production Others Not Specified	7.8	-	-	-	-	-	-	-	TON
3-01-019-01	Industrial Processes Chemical Manufacturing Phthalic Anhydride o-Xylene Oxidation: Main Process Stream	-	-	301	-	-	94	-	-	TON
3-01-019-04	Industrial Processes Chemical Manufacturing Phthalic Anhydride o-Xylene Oxidation: Distillation	2.4	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-019-05	Industrial Processes Chemical Manufacturing Phthalic Anhydride Naphthalene Oxidation: Main Process Stream	-	-	100	-	-	-	-	-	TON
3-01-019-07	Industrial Processes Chemical Manufacturing Phthalic Anhydride Naphthalene Oxidation: Distillation	10	-	-	-	-	-	-	-	TON
3-01-020-01	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: General	120	-	-	-	-	-	-	-	TON
3-01-020-02	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: Oils	40	-	-	-	-	-	-	-	TON
3-01-020-03	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: Oleoresin	150	-	-	-	-	-	-	-	TON
3-01-020-04	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: Alkyds	160	-	-	-	-	-	-	-	TON
3-01-020-05	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Pigment Mixing	6.2	-	-	-	-	-	-	-	TON
3-01-021-05	Industrial Processes Chemical Manufacturing Sodium Carbonate Monohydrate Process: Rotary Ore Calciner: Coal-fired	-	1.4	-	-	-	0.01	-	-	TON
3-01-023-01	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (99.9% Conversion)	-	0.004	-	-	-	1.4	-	-	TON
3-01-023-04	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (99.5% Conversion)	-	0.004	-	-	-	7	-	-	TON
3-01-023-06	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (99.0% Conversion)	-	0.004	-	-	-	14	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-023-08	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (98.0% Conversion)	-	0.004	-	-	-	26	-	-	TON
3-01-023-10	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (97.0% Conversion)	-	0.004	-	-	-	40	-	-	TON
3-01-023-12	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (96.0% Conversion)	-	0.004	-	-	-	55	-	-	TON
3-01-023-14	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (95.0% Conversion)	-	0.004	-	-	-	70	-	-	TON
3-01-023-16	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (94.0% Conversion)	-	0.004	-	-	-	82	-	-	TON
3-01-023-18	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (93.0% Conversion)	-	0.004	-	-	-	9.6	-	-	TON
3-01-024-01	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Nylon #6: Staple (Uncontrolled)	4.3	-	-	-	-	-	-	-	TON
3-01-024-02	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Polyesters: Staple	1.2	-	-	-	-	-	-	-	TON
3-01-024-10	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Manufacturing Acrylic: Uncontrolled	80	-	-	-	-	-	-	-	TON
3-01-024-14	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Polyolefin: Melt Spun	74.2	-	-	-	-	-	-	-	TON
3-01-024-16	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Aramid	4.3	-	-	-	-	-	-	-	TON
3-01-024-99	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Other Not Classified	398	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-025-05	Industrial Processes Chemical Manufacturing Cellulosic Fiber Production Cellulose Acetate: Filer Tow	290	-	-	-	-	-	-	-	TON
3-01-026-01	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) General	5.2	-	-	-	-	-	-	-	TON
3-01-026-09	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Dryers	5.02	-	-	-	-	-	-	-	TON
3-01-026-13	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Monomer Recovery: Absorber Vent	0.52	-	-	-	-	-	-	-	TON
3-01-026-14	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Blending Tanks	0.84	-	-	-	-	-	-	-	TON
3-01-026-16	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Latex: Monomer Removal	16.9	-	-	-	-	-	-	-	TON
3-01-026-17	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Latex: Blending Tank	0.2	-	-	-	-	-	-	-	TON
3-01-027-04	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Neutralizer	-	-	-	-	-	-	36.02	-	TON
3-01-027-07	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Rotary Drum Granulator	-	-	-	-	-	-	59.4	-	TON
3-01-027-08	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Pan Granulator	-	-	-	-	-	-	0.14	-	TON
3-01-027-11	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Neutralizer: High Density	-	-	-	-	-	-	36.02	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-027-12	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Tower: High Density	-	-	-	-	-	-	57.2	-	TON
3-01-027-14	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Cooler: High Density	-	-	-	-	-	-	0.04	-	TON
3-01-027-17	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Evaporator/Concentrator: High Density	-	-	-	-	-	-	33.4	-	TON
3-01-027-21	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Neutralizer: Low Density	-	-	-	-	-	-	36.02	-	TON
3-01-027-22	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Tower: Low Density	-	-	-	-	-	-	0.26	-	TON
3-01-027-24	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Cooler: Low Density	-	-	-	-	-	-	0.3	-	TON
3-01-027-25	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Dryer: Low Density	-	-	-	-	-	-	3.18	-	TON
3-01-027-27	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Evaporator/Concentrator: Low Density	-	-	-	-	-	-	33.4	-	TON
3-01-030-00	Industrial Processes Chemical Manufacturing Ammonium Phosphates Entire Plant	-	-	-	-	-	-	0.14	-	TON
3-01-030-01	Industrial Processes Chemical Manufacturing Ammonium Phosphates Dryers and Coolers	0.03	1.7	-	-	-	3.1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-030-02	Industrial Processes Chemical Manufacturing Ammonium Phosphates Ammoniator/Granulator	-	-	-	-	-	0.3	-	-	TON
3-01-031-02	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Reactor Vent	30	-	34	-	-	-	-	-	TON
3-01-031-03	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Crystallization, Separation, and Drying Vent	3.8	-	-	-	-	-	-	-	TON
3-01-031-04	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Distillation and Recovery Vent	2.2	-	-	-	-	-	-	-	TON
3-01-031-05	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Product Transfer Vent	3.6	-	4	-	-	-	-	-	TON
3-01-031-80	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Fugitive Emissions	294000	-	-	-	-	-	-	-	EACH
3-01-032-01	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Mod. Claus: 2 Stage w/o Control (92-95% Removal)	3	0.35	-	-	-	278	-	-	TON
3-01-032-02	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Mod. Claus: 3 Stage w/o Control (95-96% Removal)	9.1	0.1	-	-	-	188	-	-	TON
3-01-032-03	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Mod. Claus: 4 Stage w/o Control (96-97% Removal)	-	0.1	-	-	-	145	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-032-04	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Sulfur Removal Process (99.9% Removal)	0.05	0.1	-	-	-	-	-	-	TON
3-01-033-01	Industrial Processes Chemical Manufacturing Pesticides Malathion	0.01	-	-	-	-	-	-	-	GAL
3-01-034-02	Industrial Processes Chemical Manufacturing Aniline/Ethanolamines General: Aniline	0.2	-	-	-	-	-	-	-	TON
3-01-035-06	Industrial Processes Chemical Manufacturing Inorganic Pigments Lead Oxide: Barton Pot	-	-	-	-	-	-	-	0.44	TON
3-01-035-07	Industrial Processes Chemical Manufacturing Inorganic Pigments Lead Oxide: Calciner	-	-	-	-	-	-	-	14	TON
3-01-035-10	Industrial Processes Chemical Manufacturing Inorganic Pigments Red Lead	-	-	-	-	-	-	-	0.9	TON
3-01-035-15	Industrial Processes Chemical Manufacturing Inorganic Pigments White Lead	-	-	-	-	-	-	-	0.55	TON
3-01-035-20	Industrial Processes Chemical Manufacturing Inorganic Pigments Lead Chromate	-	-	-	-	-	-	-	0.13	TON
3-01-039-01	Industrial Processes Chemical Manufacturing Hydrogen Cyanide Air Heater: General	14	-	-	-	-	-	-	-	TON
3-01-040-02	Industrial Processes Chemical Manufacturing Urea Production Solution Concentration (Controlled)	-	-	-	-	-	-	18.5	-	TON
3-01-040-04	Industrial Processes Chemical Manufacturing Urea Production Drum Granulation	0.009	-	-	-	-	-	2.15	-	TON
3-01-040-08	Industrial Processes Chemical Manufacturing Urea Production Non-fluidized Bed Prilling (Agricultural Grade)	-	-	-	-	-	-	0.87	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-040-10	Industrial Processes Chemical Manufacturing Urea Production Fluidized Bed Prilling (Agricultural Grade)	0.02	-	-	-	-	-	2.91	-	TON
3-01-040-11	Industrial Processes Chemical Manufacturing Urea Production Fluidized Bed Prilling (Feed Grade)	0.004	-	-	-	-	-	4.14	-	TON
3-01-040-12	Industrial Processes Chemical Manufacturing Urea Production Rotary Drum Cooler	-	-	-	-	-	-	0.051	-	TON
3-01-042-01	Industrial Processes Chemical Manufacturing Lead Alkyl Manufacturing (Sodium/Lead Alloy Process) Recovery Furnace	-	2.67	-	-	-	-	-	55	TON
3-01-042-04	Industrial Processes Chemical Manufacturing Lead Alkyl Manufacturing (Sodium/Lead Alloy Process) Sludge Pits	-	-	-	-	-	-	-	1.2	TON
3-01-091-05	Industrial Processes Chemical Manufacturing Acetone/Ketone Production Methyl Ethyl Ketone	2.4	-	-	-	-	-	-	-	TON
3-01-091-80	Industrial Processes Chemical Manufacturing Acetone/Ketone Production Acetone: Fugitive Emissions	452000	-	-	-	-	-	-	-	EACH
3-01-100-02	Industrial Processes Chemical Manufacturing Maleic Anhydride Product Recovery Absorber	174	-	-	-	-	-	-	-	TON
3-01-100-03	Industrial Processes Chemical Manufacturing Maleic Anhydride Vacuum System Vent	0.2	-	-	-	-	-	-	-	TON
3-01-100-04	Industrial Processes Chemical Manufacturing Maleic Anhydride Briquetting	2.5	-	-	-	-	-	-	-	TON
3-01-100-05	Industrial Processes Chemical Manufacturing Maleic Anhydride Secondary Sources: Dehydration Column, Vacuum System	0.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-100-80	Industrial Processes Chemical Manufacturing Maleic Anhydride Fugitive Emissions	62300	-	-	-	-	-	-	-	EACH
3-01-120-01	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Formaldehyde: Silver Catalyst	13	-	36	-	-	-	-	-	TON
3-01-120-02	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Formaldehyde: Mixed Oxide Catalyst	16	-	-	-	-	-	-	-	TON
3-01-120-07	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Formaldehyde: Fugitive Emissions	35700	-	-	-	-	-	-	-	EACH
3-01-120-11	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde from Ethylene	2.8	-	-	-	-	-	-	-	TON
3-01-120-12	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde from Ethanol	0.04	-	5.5	-	-	-	-	-	TON
3-01-120-13	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde: Off-air Absorber Vent	4.5	-	-	-	-	-	-	-	TON
3-01-120-14	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde: Off-gas Absorber Vent	5.6	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-120-17	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde: Fugitive Emissions	165000	-	-	-	-	-	-	-	EACH
3-01-120-31	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: CO2 Stripping Tower	120	-	-	-	-	-	-	-	TON
3-01-120-32	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: Aqueous Acrolein Receiver	6	-	-	-	-	-	-	-	TON
3-01-120-33	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: Distillation System	15	-	-	-	-	-	-	-	TON
3-01-120-34	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: Refrigeration Unit	54	-	-	-	-	-	-	-	TON
3-01-124-01	Industrial Processes Chemical Manufacturing Chloroprene General	11.2	-	-	-	-	-	-	-	TON
3-01-124-02	Industrial Processes Chemical Manufacturing Chloroprene Butadiene Dryer	2.4	-	-	-	-	-	-	-	TON
3-01-124-03	Industrial Processes Chemical Manufacturing Chloroprene Chlorination Reactor	0.47	-	-	-	-	-	-	-	TON
3-01-124-04	Industrial Processes Chemical Manufacturing Chloroprene Dichlorobutene Still	7.8	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-124-05	Industrial Processes Chemical Manufacturing Chloroprene Isomerization and 3,4-DCB Recovery Vent	0.3	-	-	-	-	-	-	-	TON
3-01-124-06	Industrial Processes Chemical Manufacturing Chloroprene Chloroprene Stripper	0.3	-	-	-	-	-	-	-	TON
3-01-124-07	Industrial Processes Chemical Manufacturing Chloroprene Brine Stripper	0.3	-	-	-	-	-	-	-	TON
3-01-125-09	Industrial Processes Chemical Manufacturing Chlorine Derivatives Ethylene Dichloride: Fugitive Emissions	182000	-	-	-	-	-	-	-	EACH
3-01-125-10	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: General	12.3	-	-	-	-	-	-	-	TON
3-01-125-11	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: Recycled Methane Inert-purge	4.2	-	-	-	-	-	-	-	TON
3-01-125-12	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: Drying Bed Regeneration Vent	0.1	-	-	-	-	-	-	-	TON
3-01-125-14	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: Fugitive Emissions	482000	-	-	-	-	-	-	-	EACH
3-01-125-20	Industrial Processes Chemical Manufacturing Chlorine Derivatives Perchloroethylene: General	2.7	-	-	-	-	-	-	-	TON
3-01-125-21	Industrial Processes Chemical Manufacturing Chlorine Derivatives Perchloroethylene: Distillation Vent	0.8	-	-	-	-	-	-	-	TON
3-01-125-24	Industrial Processes Chemical Manufacturing Chlorine Derivatives Perchloroethylene: Fugitive Emissions	365000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-125-25	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethane: General	5.2	-	-	-	-	-	-	-	TON
3-01-125-26	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethane: HCl Absorber Vent	0.2	-	-	-	-	-	-	-	TON
3-01-125-28	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethane: Distillation Column Vent	0.38	-	-	-	-	-	-	-	TON
3-01-125-30	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethylene: General	1.3	-	-	-	-	-	-	-	TON
3-01-125-34	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethylene: Fugitive Emissions	365000	-	-	-	-	-	-	-	EACH
3-01-125-40	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: General	6.5	-	-	-	-	-	-	-	TON
3-01-125-42	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: HCl Recovery	0.2	-	-	-	-	-	-	-	TON
3-01-125-43	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: Light-ends Recovery	2	-	-	-	-	-	-	-	TON
3-01-125-44	Industrial Processes Chemical Manufacturing Chlorine Derivatives Dichloroethane: Drying Column	1	-	-	-	-	-	-	-	TON
3-01-125-45	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride Monomer: Drying Column	1	-	-	-	-	-	-	-	TON
3-01-125-50	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: Fugitive Emissions	274000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-125-52	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinylidene Chloride: Dehydrochlorination Reactor	12.4	-	-	-	-	-	-	-	TON
3-01-125-53	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinylidene Chloride: Distillation Column Vent	1.4	-	-	-	-	-	-	-	TON
3-01-125-55	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinylidene Chloride: Fugitive Emissions	19000	-	-	-	-	-	-	-	EACH
3-01-125-56	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes via MH & MCC Processes: Inert-gas Purge Vent	3	-	-	-	-	-	-	-	TON
3-01-125-57	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes via MH & MCC Processes: Methylene Chloride Condenser	0.04	-	-	-	-	-	-	-	TON
3-01-125-58	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes via MH & MCC Processes: Chloroform Condenser	0.01	-	-	-	-	-	-	-	TON
3-01-127-01	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons General	14.5	-	-	-	-	-	-	-	TON
3-01-127-02	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Distillation Column	12.7	-	-	-	-	-	-	-	TON
3-01-127-20	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Chlorofluorocarbon 12/11	6.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-127-30	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Chlorofluorocarbon 23/22	38	-	-	-	-	-	-	-	TON
3-01-127-40	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Chlorofluorocarbon 113/114	13.2	-	-	-	-	-	-	-	TON
3-01-130-04	Industrial Processes Chemical Manufacturing Ammonium Sulfate Caprolactam By-product: Rotary Dryer	1.48	-	-	-	-	-	-	-	TON
3-01-130-05	Industrial Processes Chemical Manufacturing Ammonium Sulfate Caprolactam By-product: Fluid Bed Dryer	1.48	-	-	-	-	-	-	-	TON
3-01-132-01	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Acetic Acid via Methanol	4	0.06	-	-	-	-	-	-	TON
3-01-132-05	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Acetic Acid via Butane	14	0.08	27.1	-	-	-	-	-	TON
3-01-132-10	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Acetic Acid via Acetaldehyde	22	-	-	-	-	-	-	-	TON
3-01-132-21	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing General: Acrylic Acid	240	-	-	-	-	-	-	-	TON
3-01-132-22	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Quench Absorber	239	-	-	-	-	-	-	-	TON
3-01-132-23	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Extraction Column	0.29	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-132-24	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Vacuum System	7.6	-	-	-	-	-	-	-	TON
3-01-133-01	Industrial Processes Chemical Manufacturing Acetic Anhydride General	5.5	-	9.9	-	-	-	-	-	TON
3-01-133-02	Industrial Processes Chemical Manufacturing Acetic Anhydride Reactor By-product Gas Vent	9	-	14	-	-	-	-	-	TON
3-01-133-03	Industrial Processes Chemical Manufacturing Acetic Anhydride Distillation Column Vent	1.4	-	-	-	-	-	-	-	TON
3-01-140-04	Industrial Processes Chemical Manufacturing Acetylene Producion Waste Handling	9.3	13.5	-	-	-	-	-	-	TON
3-01-153-10	Industrial Processes Chemical Manufacturing Butadiene Houdry Process: Total	23	-	-	-	-	-	-	-	TON
3-01-153-11	Industrial Processes Chemical Manufacturing Butadiene Houdry Process: Flue Gas Vent	0.1	-	-	-	-	-	-	-	TON
3-01-153-12	Industrial Processes Chemical Manufacturing Butadiene Houdry Process: Dehydrogenation Reactor	6.6	-	-	-	-	-	-	-	TON
3-01-153-20	Industrial Processes Chemical Manufacturing Butadiene n-Butene Process: Total	23.2	-	-	-	-	-	-	-	TON
3-01-153-21	Industrial Processes Chemical Manufacturing Butadiene n-Butene Process: Flue Gas Vent	0.1	-	-	-	-	-	-	-	TON
3-01-153-22	Industrial Processes Chemical Manufacturing Butadiene n-Butene Process: Hydrocarbon Absorber Column	10	-	-	-	-	-	-	-	TON
3-01-156-01	Industrial Processes Chemical Manufacturing Cumene General	1.1	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-156-02	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Benzene Drying Column	0.04	-	-	-	-	-	-	-	TON
3-01-156-03	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Catalyst Mix Tank Scrubber Vent	0.3	-	-	-	-	-	-	-	TON
3-01-156-04	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Wash-Decant System Vent	0.02	-	-	-	-	-	-	-	TON
3-01-156-05	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Benzene Recovery	0.03	-	-	-	-	-	-	-	TON
3-01-156-06	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Cumene Distillation Vent	0.06	-	-	-	-	-	-	-	TON
3-01-156-07	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: DIPB Stripping Vent	0.002	-	-	-	-	-	-	-	TON
3-01-156-09	Industrial Processes Chemical Manufacturing Cumene Solid Phosphoric Acid Catalyst Process: Cumene Distillation Sys. Vent	0.06	-	-	-	-	-	-	-	TON
3-01-156-80	Industrial Processes Chemical Manufacturing Cumene Fugitive Emissions	149000	-	-	-	-	-	-	-	EACH
3-01-157-02	Industrial Processes Chemical Manufacturing Cyclohexane Blowndown Tank Discharge	0.006	-	-	-	-	-	-	-	TON
3-01-157-03	Industrial Processes Chemical Manufacturing Cyclohexane Pumps/Valves/Compressors	1.5	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-157-80	Industrial Processes Chemical Manufacturing Cyclohexane Fugitive Emissions	240000	-	-	-	-	-	-	-	EACH
3-01-158-01	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol General	44.4	-	-	-	-	-	-	-	TON
3-01-158-02	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol High Pressure Scrubber Vent	33.8	-	85.2	-	-	-	-	-	TON
3-01-158-03	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Low Pressure Scrubber Vent	5.3	-	19.4	-	-	-	-	-	TON
3-01-158-21	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Hydrogenation Reactor Vent	3	-	-	-	-	-	-	-	TON
3-01-158-22	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Distillation Vent	0.12	-	-	-	-	-	-	-	TON
3-01-158-80	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Fugitive Emissions	378000	-	-	-	-	-	-	-	EACH
3-01-167-02	Industrial Processes Chemical Manufacturing Vinyl Acetate Inert-gas Purge Vent	8.8	-	-	-	-	-	-	-	TON
3-01-167-03	Industrial Processes Chemical Manufacturing Vinyl Acetate CO2 Purge Vent	0.6	-	-	-	-	-	-	-	TON
3-01-167-04	Industrial Processes Chemical Manufacturing Vinyl Acetate Inhibitor Mix Tank Discharge	5.6	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-167-80	Industrial Processes Chemical Manufacturing Vinyl Acetate Fugitive Emissions	360000	-	-	-	-	-	-	-	EACH
3-01-169-80	Industrial Processes Chemical Manufacturing Ethyl Benzene Fugitive Emissions	328000	-	-	-	-	-	-	-	EACH
3-01-174-02	Industrial Processes Chemical Manufacturing Ethylene Oxide Air Oxidation Process Reactor: Main Vent	2	-	-	-	-	-	-	-	TON
3-01-174-10	Industrial Processes Chemical Manufacturing Ethylene Oxide Oxygen Oxidation Process Reactor: CO2 Purge Vent	1.5	-	-	-	-	-	-	-	TON
3-01-174-11	Industrial Processes Chemical Manufacturing Ethylene Oxide Oxygen Oxidation Process Reactor: Argon Purge Vent	0.004	-	-	-	-	-	-	-	TON
3-01-174-21	Industrial Processes Chemical Manufacturing Ethylene Oxide Stripper Purge Vent	0.2	-	-	-	-	-	-	-	TON
3-01-174-80	Industrial Processes Chemical Manufacturing Ethylene Oxide Fugitive Emissions	168000	-	-	-	-	-	-	-	EACH
3-01-176-01	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) General	132	-	-	-	-	-	-	-	TON
3-01-176-11	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) CO2 Absorber	0.8	-	-	-	-	-	-	-	TON
3-01-176-12	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Evaporator	0.2	-	-	-	-	-	-	-	TON
3-01-176-13	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Concentrator	0.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-176-14	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Stripping Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-15	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Light-ends Stripping Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-16	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Solvent Stripping Column	0.04	-	-	-	-	-	-	-	TON
3-01-176-17	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Product Distillation Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-18	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Cooling Tower	5.6	-	-	-	-	-	-	-	TON
3-01-176-31	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Light-ends Stripper	30	-	-	-	-	-	-	-	TON
3-01-176-32	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Concentrator	0.3	-	-	-	-	-	-	-	TON
3-01-176-33	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Glycerin Flasher Column	0.3	-	-	-	-	-	-	-	TON
3-01-176-34	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Product Distillation Column	0.3	-	-	-	-	-	-	-	TON
3-01-181-01	Industrial Processes Chemical Manufacturing Toluene Diisocyanate General	19.3	-	-	-	-	-	-	-	TON
3-01-181-02	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Sulfuric Acid Concentrator	10	-	-	-	-	-	-	-	TON
3-01-181-03	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Nitration Reactor	0.05	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-181-04	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Catalyst Filtration	0.001	-	-	-	-	-	-	-	TON
3-01-181-05	Industrial Processes Chemical Manufacturing Toluene Diisocyanate TDA Vacuum Distillation Vent	0.007	-	-	-	-	-	-	-	TON
3-01-181-06	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Dichlorobenzene Solvent Recovery	3	-	-	-	-	-	-	-	TON
3-01-181-07	Industrial Processes Chemical Manufacturing Toluene Diisocyanate TDI Flash Distillation	3	-	-	-	-	-	-	-	TON
3-01-181-08	Industrial Processes Chemical Manufacturing Toluene Diisocyanate TDI Purification	3	-	-	-	-	-	-	-	TON
3-01-190-02	Industrial Processes Chemical Manufacturing Methyl Methacrylate Acetone Cyanohydrin Reactor Off-gas	0.08	-	-	-	-	-	-	-	TON
3-01-190-03	Industrial Processes Chemical Manufacturing Methyl Methacrylate Recovery Columns	2.3	-	-	-	-	-	-	-	TON
3-01-190-04	Industrial Processes Chemical Manufacturing Methyl Methacrylate Acetone Evaporation Vacuum Vent	0.008	-	-	-	-	-	-	-	TON
3-01-190-10	Industrial Processes Chemical Manufacturing Methyl Methacrylate Hydrolysis Reactor	13.2	-	-	-	-	-	-	-	TON
3-01-190-11	Industrial Processes Chemical Manufacturing Methyl Methacrylate Distillation Unit	1.9	-	-	-	-	-	-	-	TON
3-01-190-12	Industrial Processes Chemical Manufacturing Methyl Methacrylate MMA and Light-ends Distillation Unit	16.5	-	-	-	-	-	-	-	TON
3-01-190-13	Industrial Processes Chemical Manufacturing Methyl Methacrylate Acid Distillation	1.1	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-190-14	Industrial Processes Chemical Manufacturing Methyl Methacrylate MMA Purification	15.8	-	-	-	-	-	-	-	TON
3-01-190-80	Industrial Processes Chemical Manufacturing Methyl Methacrylate Fugitive Emissions	273000	-	-	-	-	-	-	-	EACH
3-01-195-02	Industrial Processes Chemical Manufacturing Nitrobenzene Reactor and Separator Vent	1.9	-	-	-	-	-	-	-	TON
3-01-195-03	Industrial Processes Chemical Manufacturing Nitrobenzene Acid Stripper Vent	0.34	-	-	-	-	-	-	-	TON
3-01-195-04	Industrial Processes Chemical Manufacturing Nitrobenzene Washer and Neutralizer Vent	0.02	-	-	-	-	-	-	-	TON
3-01-195-05	Industrial Processes Chemical Manufacturing Nitrobenzene Nitrobenzene Stripper Vent	0.34	-	-	-	-	-	-	-	TON
3-01-195-80	Industrial Processes Chemical Manufacturing Nitrobenzene Fugitive Emissions	138000	-	-	-	-	-	-	-	EACH
3-01-197-01	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: General	-	0.02	0.02	-	-	6	-	-	TON
3-01-197-05	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Propylene: General	1	-	-	-	-	-	-	-	TON
3-01-197-43	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: Acid Gas Removal	0.02	-	-	-	-	6	-	-	TON
3-01-197-45	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: Compressor Lube Oil Vent	0.02	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-197-49	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: Fugitive Emissions	695000	-	-	-	-	-	-	-	EACH
3-01-202-01	Industrial Processes Chemical Manufacturing Phenol General	15.4	-	-	-	-	-	-	-	TON
3-01-202-02	Industrial Processes Chemical Manufacturing Phenol Cumene Oxidation	4.6	-	-	-	-	-	-	-	TON
3-01-202-03	Industrial Processes Chemical Manufacturing Phenol CHP Concentrator	2.4	-	-	-	-	-	-	-	TON
3-01-202-04	Industrial Processes Chemical Manufacturing Phenol Light-ends Distillation Vent	0.6	-	-	-	-	-	-	-	TON
3-01-202-05	Industrial Processes Chemical Manufacturing Phenol Acetone Finishing	1.3	-	-	-	-	-	-	-	TON
3-01-202-06	Industrial Processes Chemical Manufacturing Phenol Phenol Distillation Column	7.6	-	-	-	-	-	-	-	TON
3-01-202-10	Industrial Processes Chemical Manufacturing Phenol Oxidate Wash/Separation	0.16	-	-	-	-	-	-	-	TON
3-01-202-11	Industrial Processes Chemical Manufacturing Phenol CHP Cleavage Vent	0.95	-	-	-	-	-	-	-	TON
3-01-202-80	Industrial Processes Chemical Manufacturing Phenol Fugitive Emissions	729000	-	-	-	-	-	-	-	EACH
3-01-205-03	Industrial Processes Chemical Manufacturing Propylene Oxide Vent Gas Scrubber Vent	20.5	-	-	-	-	-	-	-	TON
3-01-205-04	Industrial Processes Chemical Manufacturing Propylene Oxide Saponification Column Vent	0.09	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-205-05	Industrial Processes Chemical Manufacturing Propylene Oxide PO Stripping Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-06	Industrial Processes Chemical Manufacturing Propylene Oxide Light-ends Stripping Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-07	Industrial Processes Chemical Manufacturing Propylene Oxide PO Final Distillation Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-08	Industrial Processes Chemical Manufacturing Propylene Oxide DCP Distillation Column Vent	0.0002	-	-	-	-	-	-	-	TON
3-01-205-21	Industrial Processes Chemical Manufacturing Propylene Oxide Oxidation Reactor Scrubber Vent	3.5	-	-	-	-	-	-	-	TON
3-01-205-22	Industrial Processes Chemical Manufacturing Propylene Oxide TBA Stripping Column Vent	0.008	-	-	-	-	-	-	-	TON
3-01-205-24	Industrial Processes Chemical Manufacturing Propylene Oxide PO Stripping Column Vent	0.04	-	-	-	-	-	-	-	TON
3-01-205-25	Industrial Processes Chemical Manufacturing Propylene Oxide Crude TBA Recovery Column Vent	0.03	-	-	-	-	-	-	-	TON
3-01-205-26	Industrial Processes Chemical Manufacturing Propylene Oxide TBA Wash-Decant System Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-27	Industrial Processes Chemical Manufacturing Propylene Oxide Wastewater Stripping Column Vent	4.56	-	-	-	-	-	-	-	TON
3-01-205-28	Industrial Processes Chemical Manufacturing Propylene Oxide Solvent Scrubber Vent	1.3	-	-	-	-	-	-	-	TON
3-01-205-29	Industrial Processes Chemical Manufacturing Propylene Oxide Solvent Recovery Column Vent	0.0009	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-205-30	Industrial Processes Chemical Manufacturing Propylene Oxide Water Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-31	Industrial Processes Chemical Manufacturing Propylene Oxide Propylene Glycol and Dipropylene Glycol Combined Vent	0.1	-	-	-	-	-	-	-	TON
3-01-205-32	Industrial Processes Chemical Manufacturing Propylene Oxide Flue Gas Vent	0.08	-	-	-	-	-	-	-	TON
3-01-205-41	Industrial Processes Chemical Manufacturing Propylene Oxide Oxidation Reactor Scrubber Vent	3.2	-	-	-	-	-	-	-	TON
3-01-205-42	Industrial Processes Chemical Manufacturing Propylene Oxide Falling Film Evaporator Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-44	Industrial Processes Chemical Manufacturing Propylene Oxide Separation Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-45	Industrial Processes Chemical Manufacturing Propylene Oxide Light-ends Stripping Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-46	Industrial Processes Chemical Manufacturing Propylene Oxide Propylene Recovery Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-47	Industrial Processes Chemical Manufacturing Propylene Oxide Product Wash-Decant System Vent	0.001	-	-	-	-	-	-	-	TON
3-01-205-48	Industrial Processes Chemical Manufacturing Propylene Oxide Mixed Hydrocarbon Wash-Decant System Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-49	Industrial Processes Chemical Manufacturing Propylene Oxide Ethyl Benzene Wash-Decant System Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-50	Industrial Processes Chemical Manufacturing Propylene Oxide Ethyl Benzene Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-205-51	Industrial Processes Chemical Manufacturing Propylene Oxide Light-hydrocarbon Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-52	Industrial Processes Chemical Manufacturing Propylene Oxide MBA-AP Stripping Column Vent	0.02	-	-	-	-	-	-	-	TON
3-01-205-53	Industrial Processes Chemical Manufacturing Propylene Oxide Dehydration Reactor System Vent	0.002	-	-	-	-	-	-	-	TON
3-01-205-54	Industrial Processes Chemical Manufacturing Propylene Oxide Light-impurities Stripping Column Vent	2.5	-	-	-	-	-	-	-	TON
3-01-205-55	Industrial Processes Chemical Manufacturing Propylene Oxide Styrene Finishing Column Vent	1.7	-	-	-	-	-	-	-	TON
3-01-206-01	Industrial Processes Chemical Manufacturing Styrene General	-	0.04	-	-	-	-	-	-	TON
3-01-206-80	Industrial Processes Chemical Manufacturing Styrene Fugitive Emissions	248000	-	-	-	-	-	-	-	EACH
3-01-210-01	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) General	11.9	-	-	-	-	-	-	-	TON
3-01-210-02	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Cyclohexanone Purification Vent	6.2	-	-	-	-	-	-	-	TON
3-01-210-05	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Neutralization Reactor Vent	0.08	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-210-06	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Solvent Separation/Recovery	4	-	-	-	-	-	-	-	TON
3-01-210-07	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Oximation Reactor/Separator	0.05	-	-	-	-	-	-	-	TON
3-01-210-08	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Caprolactum Purification	0.3	-	-	-	-	-	-	-	TON
3-01-210-09	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Ammonium Sulfate Drying (Use 3-01-130-04 or 3-01-130-05)	1.2	-	-	-	-	-	-	-	TON
3-01-210-10	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) AS:Cool/Screen/Storage (Use 301130-06&07,301870-25&26,301875-25&26)	0.1	-	-	-	-	-	-	-	TON
3-01-211-03	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Hydrogen Fluoride Scrubber Vent	0.022	-	-	-	-	-	-	-	TON
3-01-211-04	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Vacuum Refining	0.2	-	-	-	-	-	-	-	TON
3-01-211-22	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Parafin Drying Column Vent	0.0056	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-211-23	Industrial Processes Chemical Manufacturing Linear Alkylbenzene HCl Absorber Vent	0.5	-	-	-	-	-	-	-	TON
3-01-211-24	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Atmospheric Wash-Decant Vent	0.025	-	-	-	-	-	-	-	TON
3-01-211-25	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Benzene Stripping Column	0.0074	-	-	-	-	-	-	-	TON
3-01-250-02	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Methanol: Purge Gas Vent	2.2	-	-	-	-	-	-	-	TON
3-01-250-03	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Methanol: Distillation Vent	0.8	-	-	-	-	-	-	-	TON
3-01-250-04	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Methanol: Fugitive Emissions	573000	-	-	-	-	-	-	-	EACH
3-01-250-10	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Ethanol by Fermentation	1.9	-	-	-	-	-	-	-	TON
3-01-250-20	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Alcohols by Oxo Process	-	0.08	22.5	-	-	-	-	-	TON
3-01-251-01	Industrial Processes Chemical Manufacturing Ethylene Glycol General	10.3	-	-	-	-	-	-	-	TON
3-01-251-80	Industrial Processes Chemical Manufacturing Ethylene Glycol Fugitive Emissions	24000	-	-	-	-	-	-	-	EACH
3-01-252-01	Industrial Processes Chemical Manufacturing Etherene Production General	0.16	-	-	-	-	-	-	-	TON
3-01-253-02	Industrial Processes Chemical Manufacturing Glycol Ethers Vacuum System Vent	0.03	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-253-05	Industrial Processes Chemical Manufacturing Glycol Ethers Catalyst: Methanol Mix Tank	0.02	-	-	-	-	-	-	-	TON
3-01-253-06	Industrial Processes Chemical Manufacturing Glycol Ethers Methanol Recovery Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-253-15	Industrial Processes Chemical Manufacturing Glycol Ethers Catalyst: Ethanol Mix Tank	0.01	-	-	-	-	-	-	-	TON
3-01-253-16	Industrial Processes Chemical Manufacturing Glycol Ethers Ethanol Recovery Column Vent	0.19	-	-	-	-	-	-	-	TON
3-01-253-25	Industrial Processes Chemical Manufacturing Glycol Ethers Catalyst: Butanol Mix Tank	0.002	-	-	-	-	-	-	-	TON
3-01-253-26	Industrial Processes Chemical Manufacturing Glycol Ethers Butanol Recovery Column Vent	0.03	-	-	-	-	-	-	-	TON
3-01-253-30	Industrial Processes Chemical Manufacturing Glycol Ethers Secondary Emissions: Handling and Disposal of Process Waste Streams	0.06	-	-	-	-	-	-	-	TON
3-01-253-80	Industrial Processes Chemical Manufacturing Glycol Ethers Fugitive Emissions	20100	-	-	-	-	-	-	-	EACH
3-01-254-01	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Acetonitrile	497	-	-	-	-	-	-	-	TON
3-01-254-05	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production General: Acrylonitrile	220	-	-	-	-	-	-	-	TON
3-01-254-06	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Absorber Vent: Normal	200	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-254-07	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Absorber Vent: Startup	0.5	-	-	-	-	-	-	-	TON
3-01-254-08	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Recovery/Purification Column Vent	20	-	-	-	-	-	-	-	TON
3-01-254-09	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Fugitive Emissions	223000	-	-	-	-	-	-	-	EACH
3-01-254-10	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Via Adipic Acid: General	-	0.3	-	-	-	-	-	-	TON
3-01-254-11	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Ammonia Recovery Still	-	0.3	-	-	-	-	-	-	TON
3-01-254-15	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Via Butadiene: General	51.3	232	-	-	-	-	-	-	TON
3-01-254-16	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Chlorination Reactor	35.8	-	-	-	-	-	-	-	TON
3-01-254-17	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Cyanide Synthesis	-	75.8	-	-	-	-	-	-	TON
3-01-254-18	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Cyanation/Isomerization	15.5	42.4	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-258-80	Industrial Processes Chemical Manufacturing Benzene/Toluene/Aromatics/Xylenes Aromatics: Fugitive Emissions	379000	-	-	-	-	-	-	-	EACH
3-01-301-01	Industrial Processes Chemical Manufacturing Chlorobenzene Tail Gas Scrubber	1.2	-	-	-	-	-	-	-	TON
3-01-301-06	Industrial Processes Chemical Manufacturing Chlorobenzene Vacuum System Vent	0.9	-	-	-	-	-	-	-	TON
3-01-301-07	Industrial Processes Chemical Manufacturing Chlorobenzene DCB Crystallization	0.03	-	-	-	-	-	-	-	TON
3-01-301-08	Industrial Processes Chemical Manufacturing Chlorobenzene DCB Crystal Handling/Loading	0.04	-	-	-	-	-	-	-	TON
3-01-301-14	Industrial Processes Chemical Manufacturing Chlorobenzene Secondary Emissions: Handling and Disposal of Wastewater	0.06	-	-	-	-	-	-	-	TON
3-01-301-15	Industrial Processes Chemical Manufacturing Chlorobenzene Atmospheric Distillation Vents	0.8	-	-	-	-	-	-	-	TON
3-01-301-80	Industrial Processes Chemical Manufacturing Chlorobenzene Fugitive Emissions	417000	-	-	-	-	-	-	-	EACH
3-01-302-02	Industrial Processes Chemical Manufacturing Carbon Tetrachloride Distillation Vent	0.01	-	-	-	-	-	-	-	TON
3-01-302-03	Industrial Processes Chemical Manufacturing Carbon Tetrachloride Caustic Scrubber	0.3	-	-	-	-	-	-	-	TON
3-01-303-02	Industrial Processes Chemical Manufacturing Allyl Chloride HCl Absorber	0.3	-	-	-	-	-	-	-	TON
3-01-303-03	Industrial Processes Chemical Manufacturing Allyl Chloride Light-ends Distillation	130	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-303-04	Industrial Processes Chemical Manufacturing Allyl Chloride Allyl Chloride Distillation Column	0.2	-	-	-	-	-	-	-	TON
3-01-303-05	Industrial Processes Chemical Manufacturing Allyl Chloride DCP Distillation Column	2	-	-	-	-	-	-	-	TON
3-01-304-02	Industrial Processes Chemical Manufacturing Allyl Alcohol Catalyst Preparation	450	-	-	-	-	-	-	-	TON
3-01-304-03	Industrial Processes Chemical Manufacturing Allyl Alcohol Filtration System	6.4	-	-	-	-	-	-	-	TON
3-01-304-04	Industrial Processes Chemical Manufacturing Allyl Alcohol Light-ends Stripper	22	-	-	-	-	-	-	-	TON
3-01-304-05	Industrial Processes Chemical Manufacturing Allyl Alcohol Distillation System Condenser	23	-	-	-	-	-	-	-	TON
3-01-900-01	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Distillate Oil (No. 2)	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-01-900-02	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Residual Oil	0.28	50	-	-	-	1.586E2*S	-	-	E3GAL
3-01-900-03	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Natural Gas	2.8	140	-	-	-	0.6	-	-	E6FT3
3-01-900-04	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Process Gas	2.8	140	-	-	-	-	-	-	E6FT3
3-01-900-11	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
3-01-900-12	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-900-13	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-01-900-14	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Process Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-01-900-99	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Other Not Elsewhere Classified	-	0.068	0.37	-	-	-	-	-	E6BTU
3-02-002-20	Industrial Processes Food and Agriculture Coffee Roasting Indirect-fired Batch Roaster -Natural Gas (incl combustion emiss)	0.86	-	-	-	-	-	-	-	TON
3-02-002-21	Industrial Processes Food and Agriculture Coffee Roasting Indirect-fired Continuous Roaster - Natural Gas (incl combustion emiss)	1.4	-	1.5	-	-	-	-	-	TON
3-02-009-07	Industrial Processes Food and Agriculture Beer Production Brew Kettle	0.64	-	-	-	-	-	-	-	E3BBL
3-02-009-08	Industrial Processes Food and Agriculture Beer Production Aging Tank: Filling	0.57	-	-	-	-	-	-	-	E3BBL
3-02-009-21	Industrial Processes Food and Agriculture Beer Production Mash Tun	0.054	-	-	-	-	-	-	-	E3BBL
3-02-009-22	Industrial Processes Food and Agriculture Beer Production Cereal Cooker	0.0075	-	-	-	-	-	-	-	E3BBL
3-02-009-23	Industrial Processes Food and Agriculture Beer Production Lauter Tun or Strainmaster	0.0055	-	-	-	-	-	-	-	E3BBL
3-02-009-24	Industrial Processes Food and Agriculture Beer Production Hot Wort Settling Tank	0.075	-	-	-	-	-	-	-	E3BBL
3-02-009-25	Industrial Processes Food and Agriculture Beer Production Wort Cooler	0.022	-	-	-	-	-	-	-	E3BBL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-009-26	Industrial Processes Food and Agriculture Beer Production Trub Vessel	0.25	-	-	-	-	-	-	-	E3BBL
3-02-009-30	Industrial Processes Food and Agriculture Beer Production Brewers Grain Dryer: Natural Gas-fired	0.73	-	-	-	-	-	-	-	TON
3-02-009-32	Industrial Processes Food and Agriculture Beer Production Brewers Grain Dryer: Steam-heated	0.73	-	0.22	-	-	-	-	-	TON
3-02-009-35	Industrial Processes Food and Agriculture Beer Production Fermenter Venting: Closed Fermenter	2	-	-	-	-	-	-	-	E3BBL
3-02-009-39	Industrial Processes Food and Agriculture Beer Production Activated Carbon Regeneration	0.035	-	-	-	-	-	-	-	E3BBL
3-02-009-51	Industrial Processes Food and Agriculture Beer Production Can Filling Line	14	-	-	-	-	-	-	-	E3BBL
3-02-009-52	Industrial Processes Food and Agriculture Beer Production Sterilized Can Filling Line	35	-	-	-	-	-	-	-	E3BBL
3-02-009-53	Industrial Processes Food and Agriculture Beer Production Bottle Filling Line	17	-	-	-	-	-	-	-	E3BBL
3-02-009-54	Industrial Processes Food and Agriculture Beer Production Sterilized Bottle Filling Line	40	-	-	-	-	-	-	-	E3BBL
3-02-009-55	Industrial Processes Food and Agriculture Beer Production Keg Filling Line	0.69	-	-	-	-	-	-	-	E3BBL
3-02-009-60	Industrial Processes Food and Agriculture Beer Production Bottle Soaker and Cleaner	0.2	-	-	-	-	-	-	-	E3EACH
3-02-009-61	Industrial Processes Food and Agriculture Beer Production Bottle Crusher	0.48	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-009-62	Industrial Processes Food and Agriculture Beer Production Can Crusher with Pneumatic Conveyor	0.088	-	-	-	-	-	-	-	GAL
3-02-010-03	Industrial Processes Food and Agriculture Distilled Spirits Aging (see 3-02-010-17)	10	-	-	-	-	-	-	-	BBL50GAL
3-02-011-05	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Wine Fermentation - White Wine	1.8	-	-	-	-	-	-	-	E3GAL
3-02-011-06	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Wine Fermentation - Red Wine	4.6	-	-	-	-	-	-	-	E3GAL
3-02-011-11	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Fugitive Emissions: Pomace Screening - Red Wine	0.5	-	-	-	-	-	-	-	E3GAL
3-02-011-12	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Fugitive Emissions: Pomace Press - Red Wine	0.02	-	-	-	-	-	-	-	E3GAL
3-02-011-21	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Wine Bottling - White Wine	0.1	-	-	-	-	-	-	-	E3GAL
3-02-012-01	Industrial Processes Food and Agriculture Fish Processing Cookers: Fresh Fish Scrap	0.03	-	-	-	-	-	-	-	TON
3-02-012-02	Industrial Processes Food and Agriculture Fish Processing Cookers: Stale Fish Scrap	3.5	-	-	-	-	-	-	-	TON
3-02-013-02	Industrial Processes Food and Agriculture Meat Smokehouses Batch Smokehouses: Smoking Cycle	44	-	-	53	53	-	-	-	TON
3-02-013-04	Industrial Processes Food and Agriculture Meat Smokehouses Continuous Smokehouse: Smoke Zone	17	-	-	140	140	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-014-01	Industrial Processes Food and Agriculture Starch Manufacturing Combined Operations	252	121	-	-	-	-	-	-	TON
3-02-016-01	Industrial Processes Food and Agriculture Sugar Beet Processing Pulp Dryer : Coal-fired	0.2	0.06	-	-	-	0.41	-	-	TON
3-02-017-99	Industrial Processes Food and Agriculture Peanut Processing Other Not Classified	-	0.065	-	-	-	-	-	-	TON
3-02-019-06	Industrial Processes Food and Agriculture Vegetable Oil Processing Corn Oil: General	18.7	-	-	-	-	-	-	-	TON
3-02-019-07	Industrial Processes Food and Agriculture Vegetable Oil Processing Cottonseed Oil: General	17.5	-	-	-	-	-	-	-	TON
3-02-019-09	Industrial Processes Food and Agriculture Vegetable Oil Processing Peanut Oil: General	20.7	-	-	-	-	-	-	-	TON
3-02-019-16	Industrial Processes Food and Agriculture Vegetable Oil Processing Oil Extraction	16.8	-	-	-	-	-	-	-	TON
3-02-019-17	Industrial Processes Food and Agriculture Vegetable Oil Processing Meal Preparation	1.1	-	-	-	-	-	-	-	TON
3-02-019-18	Industrial Processes Food and Agriculture Vegetable Oil Processing Oil Refining	0.46	-	-	-	-	-	-	-	TON
3-02-019-98	Industrial Processes Food and Agriculture Vegetable Oil Processing Soybean Oil Production: Complete Process-Solvent Loss (average)	4.9	-	-	-	-	-	-	-	TON
3-02-033-99	Industrial Processes Food and Agriculture Tobacco Processing Other Not Classified	0.34	-	-	-	-	0.48	-	-	TON
3-02-034-04	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Intermediate Fermentor (F4 Stage)	36	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-034-05	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Stock Fermentor (F5 Stage)	5	-	-	-	-	-	-	-	TON
3-02-034-06	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Pitch Fermentor (F6 Stage)	5	-	-	-	-	-	-	-	TON
3-02-034-07	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Trade Fermentor (F7 Stage)	5	-	-	-	-	-	-	-	TON
3-02-036-01	Industrial Processes Food and Agriculture Deep Fat Frying Continuous Deep Fat Fryer: Potato Chips	0.02	-	-	-	-	-	-	-	TON
3-02-036-02	Industrial Processes Food and Agriculture Deep Fat Frying Continuous Deep Fat Fryer: Other Snack Chips	0.085	-	-	-	-	-	-	-	TON
3-02-900-01	Industrial Processes Food and Agriculture Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-02-900-02	Industrial Processes Food and Agriculture Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-02-900-03	Industrial Processes Food and Agriculture Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-03-000-02	Industrial Processes Primary Metal Production Bauxite Ore Processing Drying Oven	-	-	-	-	-	1.4	-	-	TON
3-03-000-03	Industrial Processes Primary Metal Production Bauxite Ore Processing Fine Ore Storage	-	-	-	-	-	3	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-001-01	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Prebake Potline Primary Emissions [See also 303001-13 thru-16]	0.1	0.003	-	-	-	60	-	-	TON
3-03-001-02	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Horizontal Stud Soderberg Potline Primary Emissions	1	-	-	-	-	-	-	-	TON
3-03-001-03	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Vertical Stud Soderberg One (VSS1) Potline Primary Emissions	1	-	-	-	-	-	-	-	TON
3-03-001-05	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Anode Baking Furnace Primary Emissions	1	-	-	-	-	-	-	-	TON
3-03-001-07	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Roof Vents	2.7	-	-	-	-	-	-	-	TON
3-03-002-01	Industrial Processes Primary Metal Production Aluminum Hydroxide Calcining Overall Process	0.02	-	-	-	-	-	-	-	TON
3-03-003-02	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Oven Charging	2.5	0.03	0.6	-	-	0.02	0.02	-	TON
3-03-003-03	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Oven Pushing	0.2	0.03	0.07	-	-	3.3	0.1	-	TON
3-03-003-04	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Quenching	-	0.6	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-003-06	Industrial Processes Primary Metal Production By-product Coke Manufacturing Oven Underfiring	2	0.04	-	-	-	-	-	-	TON
3-03-003-08	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Oven/Door Leaks	1.5	0.01	0.6	-	-	0.294	0.06	-	TON
3-03-003-13	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing Coal Preheater	0.3	-	-	-	-	-	-	-	TON
3-03-003-14	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Topside Leaks, Lid Leaks	1.5	0.01	-	-	-	0.1	-	-	TON
3-03-003-17	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Combustion Stack: Coke Oven Gas (COG)	-	-	-	-	-	4	-	-	TON
3-03-003-18	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Combustion Stack: Blast Furnace Gas (BFG)	-	-	-	-	-	1.08	-	-	TON
3-03-005-02	Industrial Processes Primary Metal Production Primary Copper Smelting Multiple Hearth Roaster	-	-	-	-	-	280	-	0.15	TON
3-03-005-03	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Smelting Furnace after Roaster	-	-	-	-	-	160	-	0.072	TON
3-03-005-04	Industrial Processes Primary Metal Production Primary Copper Smelting Converter (All Configurations)	-	-	-	-	-	740	-	0.27	TON
3-03-005-06	Industrial Processes Primary Metal Production Primary Copper Smelting Ore Concentrate Dryer	-	-	-	-	-	1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-005-09	Industrial Processes Primary Metal Production Primary Copper Smelting Fluidized Bed Roaster	-	-	-	-	-	360	-	-	TON
3-03-005-10	Industrial Processes Primary Metal Production Primary Copper Smelting Electric Smelting Furnace	-	-	-	-	-	240	-	-	TON
3-03-005-12	Industrial Processes Primary Metal Production Primary Copper Smelting Flash Smelting	-	-	-	-	-	820	-	-	TON
3-03-005-13	Industrial Processes Primary Metal Production Primary Copper Smelting Roasting: Fugitive Emissions	-	-	-	-	-	1	-	-	TON
3-03-005-14	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace: Fugitive Emissions	-	-	-	-	-	4	-	-	TON
3-03-005-15	Industrial Processes Primary Metal Production Primary Copper Smelting Converter: Fugitive Emissions	-	-	-	-	-	130	-	-	TON
3-03-005-16	Industrial Processes Primary Metal Production Primary Copper Smelting Anode Refining Furnace: Fugitive Emissions	-	-	-	-	-	0.1	-	-	TON
3-03-005-17	Industrial Processes Primary Metal Production Primary Copper Smelting Slag Cleaning Furnace: Fugitive Emissions	-	-	-	-	-	6	-	-	TON
3-03-005-18	Industrial Processes Primary Metal Production Primary Copper Smelting Converter Slag Return: Fugitive Emissions	-	-	-	-	-	0.1	-	-	TON
3-03-005-22	Industrial Processes Primary Metal Production Primary Copper Smelting Slag Cleaning Furnace	-	-	-	-	-	6	-	-	TON
3-03-005-23	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace with Converter	-	-	-	-	-	320	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-005-24	Industrial Processes Primary Metal Production Primary Copper Smelting AFT MHR+RF/FBR+EF	-	-	-	-	-	600	-	-	TON
3-03-005-25	Industrial Processes Primary Metal Production Primary Copper Smelting Fluid Bed Roaster with Reverberatory Furnace and Converter	-	-	-	-	-	360	-	-	TON
3-03-005-26	Industrial Processes Primary Metal Production Primary Copper Smelting Dryer with Electric Furnace and Cleaning Furnace and Convertor	-	-	-	-	-	1	-	-	TON
3-03-005-27	Industrial Processes Primary Metal Production Primary Copper Smelting Dryer with Flash Furnace and Converter	-	-	-	-	-	1	-	-	TON
3-03-005-29	Industrial Processes Primary Metal Production Primary Copper Smelting Multiple Hearth Roaster with Reverberatory Furnace and Converter	-	-	-	-	-	280	-	-	TON
3-03-005-30	Industrial Processes Primary Metal Production Primary Copper Smelting Fluid Bed Roaster with Electric Furnace and Converter	-	-	-	-	-	600	-	-	TON
3-03-005-31	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace After Multiple Hearth Roaster	-	-	-	-	-	180	-	-	TON
3-03-005-32	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace After Fluid Bed Roaster	-	-	-	-	-	160	-	-	TON
3-03-005-33	Industrial Processes Primary Metal Production Primary Copper Smelting Electric Furnace After Concentrate Dryer	-	-	-	-	-	240	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-005-34	Industrial Processes Primary Metal Production Primary Copper Smelting Flash Furnace After Concentrate Dryer	-	-	-	-	-	820	-	-	TON
3-03-006-01	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: 50% FeSi	4.5	0.1	-	-	-	0.07	-	0.29	TON
3-03-006-02	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: 75% FeSi	-	0.1	-	-	-	0.07	-	-	TON
3-03-006-03	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: 90% FeSi	-	0.1	-	-	-	0.07	-	-	TON
3-03-006-04	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: Silicon Metal	71.8	0.1	-	-	-	0.07	-	0.0031	TON
3-03-006-05	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: Silicomanaganese	-	0.1	-	-	-	-	-	0.0057	TON
3-03-006-15	Industrial Processes Primary Metal Production Ferroalloy Production Ferromanganese: Blast Furnace	16	-	-	-	-	-	-	-	TON
3-03-006-16	Industrial Processes Primary Metal Production Ferroalloy Production Ferrosilicon: Blast Furnace	16	-	-	-	-	-	-	-	TON
3-03-006-17	Industrial Processes Primary Metal Production Ferroalloy Production Cast House	2.8	-	-	-	-	-	-	-	TON
3-03-007-01	Industrial Processes Primary Metal Production Ferroalloy Production Semi-covered Electric Arc Furnace: Ferromanganese	1.4	0.1	-	-	-	0.01	-	0.11	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-007-03	Industrial Processes Primary Metal Production Ferroalloy Production Semi-covered Electric Arc Furnace: Ferrochromium	8.2	-	-	-	-	-	-	-	TON
3-03-007-04	Industrial Processes Primary Metal Production Ferroalloy Production Semi-covered Electric Arc Furnace: Ferrochromium Silicon	8.2	-	-	-	-	-	-	-	TON
3-03-008-13	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Windbox	1.4	0.3	44.7	-	-	-	-	-	TON
3-03-008-17	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Cooler	-	-	-	-	-	0.14	-	-	TON
3-03-008-19	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Sinter Process (Combined Code includes 15,16,17,18)	0.05	-	-	-	-	-	-	-	TON
3-03-008-22	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Raw Material Stockpile: Ore, Pellets, Limestone, Coke, Sinter	4.8	-	-	-	-	-	-	-	TON
3-03-008-24	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Blast Heating Stoves	0.01	-	-	-	-	-	-	-	TON
3-03-008-25	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Cast House	2.8	0.03	-	-	-	3	-	-	TON
3-03-009-01	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Open Hearth Furnace: Stack	0.17	-	-	-	-	2.8	-	0.14	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-009-04	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Electric Arc Furnace: Alloy Steel (Stack)	0.35	0.2	18	-	-	0.07	-	0.22	TON
3-03-009-06	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Charging: Electric Arc Furnace	0.001	-	-	-	-	-	-	-	TON
3-03-009-07	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Tapping: Electric Arc Furnace	0.005	-	-	-	-	-	-	-	TON
3-03-009-08	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Electric Arc Furnace: Carbon Steel (Stack)	0.35	0.2	18	-	-	0.07	-	0.04	TON
3-03-009-11	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Soaking Pits	0.59	-	-	-	-	-	-	-	TON
3-03-009-13	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Basic Oxygen Furnace: Open Hood-Stack	0.001	0.08	138	-	-	-	-	0.2	TON
3-03-009-14	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Basic Oxygen Furnace: Closed Hood-Stack	0.001	-	138	-	-	-	-	0.2	TON
3-03-009-15	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Hot Metal (Iron) Transfer to Steelmaking Furnace	0.001	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-009-16	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Charging: BOF	0.001	-	-	-	-	-	-	-	TON
3-03-009-17	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Tapping: BOF	0.005	0.02	-	-	-	-	-	-	TON
3-03-009-18	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Charging: Open Hearth	0.001	-	-	-	-	-	-	-	TON
3-03-009-19	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Tapping: Open Hearth	0.002	-	-	-	-	-	-	-	TON
3-03-009-21	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Teeming (Unleaded Steel)	0.002	-	-	-	-	-	-	-	TON
3-03-009-22	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Continuous Casting	-	0.05	-	-	-	-	-	-	TON
3-03-009-23	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Steel Furnace Slag Tapping and Dumping	0.002	-	-	-	-	-	-	-	TON
3-03-009-25	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Teeming (Leaded Steel)	0.002	-	-	-	-	-	-	-	TON
3-03-009-33	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Reheat Furnaces	0.01	0.8	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-009-34	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Heat Treating Furnaces: Annealing	-	0.1	-	-	-	-	-	-	TON
3-03-009-36	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Coating: Tin, Zinc, etc.	0.07	1.9	-	-	-	-	-	-	TON
3-03-010-01	Industrial Processes Primary Metal Production Lead Production Sintering: Single Stream	-	-	-	-	-	275	-	105	TON
3-03-010-02	Industrial Processes Primary Metal Production Lead Production Blast Furnace	-	-	-	-	-	45	-	-	TON
3-03-010-03	Industrial Processes Primary Metal Production Lead Production Dross Reverberatory Furnace	-	-	-	-	-	-	-	2.9	TON
3-03-010-04	Industrial Processes Primary Metal Production Lead Production Ore Crushing	-	-	-	-	-	-	-	0.3	TON
3-03-010-06	Industrial Processes Primary Metal Production Lead Production Sintering: Dual Stream Charging	-	-	-	-	-	550	-	174	TON
3-03-010-08	Industrial Processes Primary Metal Production Lead Production Slag Fume Furnace	-	-	-	-	-	2.9	-	-	TON
3-03-010-29	Industrial Processes Primary Metal Production Lead Production Sinter Machine (Weak Gas)	-	-	-	-	-	550	-	-	TON
3-03-023-51	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Gas-fired, Acid Pellets	0.075	1.5	0.014	-	-	0.29	-	-	TON
3-03-023-52	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Gas-fired, Flux Pellets	0.075	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-023-55	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Coke-fired, Acid Pellets	-	-	-	-	-	1.9	-	-	TON
3-03-023-57	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Coke & Coal-fired, Acid Pellets	-	-	-	-	-	2.3	-	-	TON
3-03-023-71	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Acid Pellets, Top Gas Stack	0.013	0.2	0.077	-	-	-	-	-	TON
3-03-023-72	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Flux Pellets, Top Gas Stack	0.013	-	-	-	-	-	-	-	TON
3-03-023-73	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Acid Pellets, Bottom Gas Stack	0.046	-	-	-	-	-	-	-	TON
3-03-023-74	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Flux Pellets, Bottom Gas Stack	0.046	-	-	-	-	-	-	-	TON
3-03-023-81	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Straight Grate, Gas-fired, Acid Pellets	-	-	0.039	-	-	-	-	-	TON
3-03-023-82	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Straight Grate, Gas-fired, Flux Pellets	-	2.5	-	-	-	-	-	-	TON
3-03-023-87	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Straight Grate, Coke & Gas-fired, Acid Pellets	-	0.44	0.15	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-024-11	Industrial Processes Primary Metal Production Metal Mining (General Processes) Ore Drying	0.004	1.6	-	-	-	-	-	-	TON
3-03-030-03	Industrial Processes Primary Metal Production Zinc Production Sinter Strand	-	-	-	-	-	0.64	-	-	TON
3-03-030-05	Industrial Processes Primary Metal Production Zinc Production Vertical Retort/Electrothermal Furnace	-	-	-	-	-	1.13	-	-	TON
3-03-030-07	Industrial Processes Primary Metal Production Zinc Production Flash Roaster	-	-	-	-	-	404	-	-	TON
3-03-030-08	Industrial Processes Primary Metal Production Zinc Production Fluid Bed Roaster	-	-	-	-	-	224	-	-	TON
3-03-030-12	Industrial Processes Primary Metal Production Zinc Production Raw Material Unloading	-	-	-	-	-	-	-	0.13	TON
3-03-031-01	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Lead Ore w/ 5.1% Lead Content	-	-	-	-	-	-	-	0.3	TON
3-03-031-02	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Zinc Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-03	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-04	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Lead-Zinc Ore w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-031-05	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper-Lead Ore w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-031-06	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper-Zinc Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-07	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper-Lead-Zinc w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-900-01	Industrial Processes Primary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-03-900-02	Industrial Processes Primary Metal Production Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-03-900-03	Industrial Processes Primary Metal Production Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-03-900-04	Industrial Processes Primary Metal Production Fuel Fired Equipment Process Gas: Process Heaters	2.8	-	-	-	-	-	-	-	E6FT3
3-03-900-11	Industrial Processes Primary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.34	-	-	-	-	-	-	-	E3GAL
3-03-900-12	Industrial Processes Primary Metal Production Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-03-900-13	Industrial Processes Primary Metal Production Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-14	Industrial Processes Primary Metal Production Fuel Fired Equipment Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-23	Industrial Processes Primary Metal Production Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-24	Industrial Processes Primary Metal Production Fuel Fired Equipment Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-001-01	Industrial Processes Secondary Metal Production Aluminum Sweat Furnace	2.4	0.6	-	-	-	0.02	-	-	TON
3-04-001-02	Industrial Processes Secondary Metal Production Aluminum Smelting Furnace/Crucible	2.5	1.7	-	-	-	2.5	-	-	TON
3-04-001-03	Industrial Processes Secondary Metal Production Aluminum Smelting Furnace/Reverberatory	0.2	0.76	-	-	-	0.9	-	-	TON
3-04-001-09	Industrial Processes Secondary Metal Production Aluminum Burning/Drying	-	0.9	-	-	-	2.9	-	-	TON
3-04-001-11	Industrial Processes Secondary Metal Production Aluminum Foil Converting	2.4	-	-	-	-	-	-	-	TON
3-04-001-14	Industrial Processes Secondary Metal Production Aluminum Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-001-20	Industrial Processes Secondary Metal Production Aluminum Can Manufacture	-	0.7	-	-	-	-	-	-	TON
3-04-002-07	Industrial Processes Secondary Metal Production Copper Scrap Dryer (Rotary)	-	18	-	-	-	1.5	-	-	TON
3-04-002-08	Industrial Processes Secondary Metal Production Copper Wire Burning: Incinerator	0.6	1.7	-	-	-	12.8	-	-	TON
3-04-002-09	Industrial Processes Secondary Metal Production Copper Sweating Furnace	0.1296	-	-	-	-	-	-	-	TON
3-04-002-10	Industrial Processes Secondary Metal Production Copper Charge with Scrap Copper: Cupolas	0.18	-	-	-	-	-	-	-	TON
3-04-002-11	Industrial Processes Secondary Metal Production Copper Charge with Insulated Copper Wire: Cupolas	0.6	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-002-12	Industrial Processes Secondary Metal Production Copper Charge with Scrap Copper And Brass: Cupolas	0.18	-	-	-	-	-	-	-	TON
3-04-002-14	Industrial Processes Secondary Metal Production Copper Charge with Copper: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-002-15	Industrial Processes Secondary Metal Production Copper Charge with Brass and Bronze: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-002-17	Industrial Processes Secondary Metal Production Copper Charge with Brass and Bronze: Rotary Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-002-19	Industrial Processes Secondary Metal Production Copper Charge with Brass and Bronze: Crucible and Pot Furnace	-	-	-	-	-	0.5	-	-	TON
3-04-003-01	Industrial Processes Secondary Metal Production Grey Iron Foundries Cupola	0.18	0.1	145	-	-	1.2	-	1.1	TON
3-04-003-02	Industrial Processes Secondary Metal Production Grey Iron Foundries Reverberatory Furnace	0.15	5.8	-	-	-	180	-	0.14	TON
3-04-003-03	Industrial Processes Secondary Metal Production Grey Iron Foundries Electric Induction Furnace	-	-	-	-	-	-	-	0.1	TON
3-04-003-04	Industrial Processes Secondary Metal Production Grey Iron Foundries Electric Arc Furnace	0.3	0.6	37	-	-	0.24	-	-	TON
3-04-003-05	Industrial Processes Secondary Metal Production Grey Iron Foundries Annealing Operation	0.1	1	-	-	-	-	-	-	TON
3-04-003-10	Industrial Processes Secondary Metal Production Grey Iron Foundries Inoculation	0.005	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-003-20	Industrial Processes Secondary Metal Production Grey Iron Foundries Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-003-31	Industrial Processes Secondary Metal Production Grey Iron Foundries Casting Shakeout	1.2	-	-	-	-	-	-	-	TON
3-04-003-32	Industrial Processes Secondary Metal Production Grey Iron Foundries Casting Knock Out	1.2	-	-	-	-	-	-	-	TON
3-04-003-33	Industrial Processes Secondary Metal Production Grey Iron Foundries Shakeout Machine	1.2	-	-	-	-	-	-	-	TON
3-04-003-51	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Ovens	-	0.5	-	-	-	0.038	-	-	TON
3-04-003-53	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Ovens	-	0.5	-	-	-	0.32	-	-	TON
3-04-003-54	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Ovens	-	0.5	-	-	-	-	-	-	GAL
3-04-003-70	Industrial Processes Secondary Metal Production Grey Iron Foundries Shell Core Machine	-	0.5	-	-	-	0.32	-	-	TON
3-04-003-71	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Machines/Other	-	0.5	-	-	-	-	-	-	TON
3-04-003-98	Industrial Processes Secondary Metal Production Grey Iron Foundries Other Not Classified	-	-	-	-	-	0.063	-	-	TON
3-04-004-01	Industrial Processes Secondary Metal Production Lead Refining Kettle: Pot Furnace	-	-	-	-	-	-	-	0.2	TON
3-04-004-02	Industrial Processes Secondary Metal Production Lead Smelting Furnace: Reverberatory	-	0.3	-	-	-	80	-	65	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-004-03	Industrial Processes Secondary Metal Production Lead Smelting Furnace: Blast	-	0.1	18	-	-	53	-	104	TON
3-04-004-04	Industrial Processes Secondary Metal Production Lead Sweating Furnace: Rotary	-	-	-	-	-	-	-	16	TON
3-04-004-05	Industrial Processes Secondary Metal Production Lead Reverberatory Sweating Furnace	-	-	-	-	-	-	-	11.73	TON
3-04-004-06	Industrial Processes Secondary Metal Production Lead Refining Kettle: Pot Furnace Heater: Distillate Oil	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-04-004-07	Industrial Processes Secondary Metal Production Lead Refining Kettle: Pot Furnace Heater: Natural Gas	2.8	100	-	-	-	0.6	-	-	E6FT3
3-04-004-08	Industrial Processes Secondary Metal Production Lead Refining: Barton Process Reactor (Oxidation Kettle)	-	-	-	-	-	-	-	0.44	TON
3-04-004-09	Industrial Processes Secondary Metal Production Lead Casting	-	-	-	-	-	-	-	0.01	TON
3-04-004-12	Industrial Processes Secondary Metal Production Lead Sweating Furnace: Fugitive Emissions	-	-	-	-	-	-	-	1.8	TON
3-04-004-13	Industrial Processes Secondary Metal Production Lead Smelting Furnace: Fugitive Emissions	-	-	-	-	-	-	-	0.6	TON
3-04-004-14	Industrial Processes Secondary Metal Production Lead Refining Kettle: Fugitive Emissions	-	-	-	-	-	-	-	0.0006	TON
3-04-004-25	Industrial Processes Secondary Metal Production Lead Casting	-	-	-	-	-	-	-	0.0007	TON
3-04-004-26	Industrial Processes Secondary Metal Production Lead Refining Kettle	-	-	-	-	-	-	-	0.01	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-005-01	Industrial Processes Secondary Metal Production Lead Battery Manufacture Overall Process	-	-	-	-	-	-	-	1.18	TON
3-04-005-02	Industrial Processes Secondary Metal Production Lead Battery Manufacture Casting Furnace	-	-	-	-	-	-	-	0.059	TON
3-04-005-03	Industrial Processes Secondary Metal Production Lead Battery Manufacture Paste Mixer	-	-	-	-	-	-	-	0.192	TON
3-04-005-04	Industrial Processes Secondary Metal Production Lead Battery Manufacture Three Process Operation	-	-	-	-	-	-	-	0.815	TON
3-04-005-05	Industrial Processes Secondary Metal Production Lead Battery Manufacture Overall Process	-	-	-	-	-	-	-	17.7	E3EACH
3-04-005-06	Industrial Processes Secondary Metal Production Lead Battery Manufacture Grid Casting	-	-	-	-	-	-	-	0.9	E3EACH
3-04-005-07	Industrial Processes Secondary Metal Production Lead Battery Manufacture Paste Mixing	-	-	-	-	-	-	-	2.49	E3EACH
3-04-005-08	Industrial Processes Secondary Metal Production Lead Battery Manufacture Lead Oxide Mill (Baghouse Outlet)	-	-	-	-	-	-	-	0.11	E3EACH
3-04-005-09	Industrial Processes Secondary Metal Production Lead Battery Manufacture Three Process Operation	-	-	-	-	-	-	-	14.6	E3EACH
3-04-005-10	Industrial Processes Secondary Metal Production Lead Battery Manufacture Lead Reclaiming Furnace	-	-	-	-	-	-	-	1.38	E3EACH
3-04-005-11	Industrial Processes Secondary Metal Production Lead Battery Manufacture Small Parts Casting	-	-	-	-	-	-	-	0.1	E3EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-006-01	Industrial Processes Secondary Metal Production Magnesium Pot Furnace	2.4	2.5	-	-	-	-	-	-	TON
3-04-007-01	Industrial Processes Secondary Metal Production Steel Foundries Electric Arc Furnace	0.35	0.2	-	-	-	0.24	-	-	TON
3-04-007-02	Industrial Processes Secondary Metal Production Steel Foundries Open Hearth Furnace	0.17	0.01	-	-	-	-	-	-	TON
3-04-007-03	Industrial Processes Secondary Metal Production Steel Foundries Open Hearth Furnace with Oxygen Lance	0.17	-	-	-	-	-	-	-	TON
3-04-007-04	Industrial Processes Secondary Metal Production Steel Foundries Heat Treating Furnace	0.6	80.7	-	-	-	277	-	-	TON
3-04-007-07	Industrial Processes Secondary Metal Production Steel Foundries Core Ovens	-	0.05	-	-	-	0.32	-	-	TON
3-04-007-08	Industrial Processes Secondary Metal Production Steel Foundries Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-007-09	Industrial Processes Secondary Metal Production Steel Foundries Casting Shakeout	1.2	2.4	-	-	-	-	-	-	TON
3-04-007-10	Industrial Processes Secondary Metal Production Steel Foundries Casting Knock Out	1.2	-	-	-	-	-	-	-	TON
3-04-007-14	Industrial Processes Secondary Metal Production Steel Foundries Shakeout Machine	1.2	-	-	-	-	-	-	-	TON
3-04-007-15	Industrial Processes Secondary Metal Production Steel Foundries Finishing	1.1	-	-	-	-	47.7	-	-	TON
3-04-007-17	Industrial Processes Secondary Metal Production Steel Foundries Core Ovens	-	0.5	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-007-18	Industrial Processes Secondary Metal Production Steel Foundries Core Ovens	-	0.5	-	-	-	-	-	-	GAL
3-04-007-30	Industrial Processes Secondary Metal Production Steel Foundries Shell Core Machine	-	0.5	-	-	-	-	-	-	TON
3-04-007-31	Industrial Processes Secondary Metal Production Steel Foundries Core Machines/Other	-	0.5	-	-	-	-	-	-	TON
3-04-008-02	Industrial Processes Secondary Metal Production Zinc Horizontal Muffle Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-03	Industrial Processes Secondary Metal Production Zinc Pot Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-06	Industrial Processes Secondary Metal Production Zinc Calcining Kiln	-	-	-	-	-	18.3	-	-	TON
3-04-008-09	Industrial Processes Secondary Metal Production Zinc Rotary Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-10	Industrial Processes Secondary Metal Production Zinc Muffle Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-11	Industrial Processes Secondary Metal Production Zinc Electric Resistance Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-24	Industrial Processes Secondary Metal Production Zinc Kettle-Sweat Furnace: General Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-28	Industrial Processes Secondary Metal Production Zinc Reverberatory Sweat Furnace: General Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-34	Industrial Processes Secondary Metal Production Zinc Kettle-Sweat Furnace: Residual Metallic Scrap	2.4	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-008-38	Industrial Processes Secondary Metal Production Zinc Reverberatory Sweat Furnace: Residual Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-41	Industrial Processes Secondary Metal Production Zinc Scrap Melting: Crucible	2.5	-	-	-	-	-	-	-	TON
3-04-008-42	Industrial Processes Secondary Metal Production Zinc Scrap Melting: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-008-43	Industrial Processes Secondary Metal Production Zinc Scrap Melting: Electric Induction Furnace	0.18	-	-	-	-	-	-	-	TON
3-04-008-54	Industrial Processes Secondary Metal Production Zinc Retort Distillation/Oxidation	-	-	-	-	-	21	-	-	TON
3-04-008-55	Industrial Processes Secondary Metal Production Zinc Muffle Distillation/Oxidation	-	-	-	-	-	40.2	-	-	TON
3-04-008-61	Industrial Processes Secondary Metal Production Zinc Reverberatory Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-62	Industrial Processes Secondary Metal Production Zinc Rotary Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-63	Industrial Processes Secondary Metal Production Zinc Muffle Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-64	Industrial Processes Secondary Metal Production Zinc Kettle (Pot) Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-65	Industrial Processes Secondary Metal Production Zinc Electric Resistance Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-67	Industrial Processes Secondary Metal Production Zinc Kettle (Pot) Melting Furnace	2.4	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-008-68	Industrial Processes Secondary Metal Production Zinc Crucible Melting Furnace	2.5	-	-	-	-	-	-	-	TON
3-04-008-69	Industrial Processes Secondary Metal Production Zinc Reverberatory Melting Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-008-70	Industrial Processes Secondary Metal Production Zinc Electric Induction Melting Furnace	0.18	-	-	-	-	-	-	-	TON
3-04-009-01	Industrial Processes Secondary Metal Production Malleable Iron Annealing	0.1	-	-	-	-	-	-	-	TON
3-04-010-07	Industrial Processes Secondary Metal Production Nickel Electric Arc Furnace with Carbon Electrode	0.1	0.003	-	-	-	60	-	-	TON
3-04-010-08	Industrial Processes Secondary Metal Production Nickel Electric Arc Furnace	0.18	0.32	-	-	-	0.24	-	-	TON
3-04-020-01	Industrial Processes Secondary Metal Production Furnace Electrode Manufacture Calcination	0.06	-	-	-	-	-	-	-	TON
3-04-020-04	Industrial Processes Secondary Metal Production Furnace Electrode Manufacture Bake Furnaces	1	-	-	-	-	1.6	-	-	TON
3-04-022-01	Industrial Processes Secondary Metal Production Metal Heat Treating Furnace: General	0.1	4	-	-	-	-	-	-	TON
3-04-022-10	Industrial Processes Secondary Metal Production Metal Heat Treating Quench Bath	280	-	-	-	-	-	-	-	TON
3-04-040-01	Industrial Processes Secondary Metal Production Lead Cable Coating General	-	-	-	-	-	-	-	0.5	TON
3-04-900-01	Industrial Processes Secondary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-900-02	Industrial Processes Secondary Metal Production Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-04-900-03	Industrial Processes Secondary Metal Production Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-04-900-04	Industrial Processes Secondary Metal Production Fuel Fired Equipment Process Gas: Process Heaters	2.8	140	-	-	-	9.5E2*S	-	-	E6FT3
3-04-900-11	Industrial Processes Secondary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-04-900-12	Industrial Processes Secondary Metal Production Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-04-900-13	Industrial Processes Secondary Metal Production Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-14	Industrial Processes Secondary Metal Production Fuel Fired Equipment Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-23	Industrial Processes Secondary Metal Production Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-24	Industrial Processes Secondary Metal Production Fuel Fired Equipment Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-05-001-01	Industrial Processes Mineral Products Asphalt Roofing Manufacture Asphalt Blowing: Saturant (Use 3-05-050-10 for MACT)	1.46	-	0.27	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-001-02	Industrial Processes Mineral Products Asphalt Roofing Manufacture Asphalt Blowing: Coating (Use 3-05-050-10 for MACT)	1.86	-	0.27	-	-	-	-	-	TON
3-05-001-03	Industrial Processes Mineral Products Asphalt Roofing Manufacture Felt Saturation: Dipping Only	0.02	-	0.02	-	-	-	-	-	TON
3-05-001-04	Industrial Processes Mineral Products Asphalt Roofing Manufacture Felt Saturation: Dipping/Spraying	0.03	-	0.25	-	-	-	-	-	TON
3-05-001-05	Industrial Processes Mineral Products Asphalt Roofing Manufacture General	0.48	-	2.9	-	-	-	-	-	TON
3-05-001-10	Industrial Processes Mineral Products Asphalt Roofing Manufacture Blowing (Use 3-05-050-01 for MACT)	-	-	0.27	-	-	-	-	-	TON
3-05-001-11	Industrial Processes Mineral Products Asphalt Roofing Manufacture Dipping Only	0.02	-	-	-	-	-	-	-	TON
3-05-001-12	Industrial Processes Mineral Products Asphalt Roofing Manufacture Spraying Only	0.01	-	-	-	-	-	-	-	TON
3-05-001-13	Industrial Processes Mineral Products Asphalt Roofing Manufacture Dipping/Spraying	0.03	-	-	-	-	-	-	-	TON
3-05-001-16	Industrial Processes Mineral Products Asphalt Roofing Manufacture Shingle Saturation: Dip Saturator, Drying-in Drum, Hot Looper & Coater	0.091	-	-	-	-	-	-	-	TON
3-05-001-17	Industrial Processes Mineral Products Asphalt Roofing Manufacture Shingle Saturation: Dip Saturator, Drying-in Drum and Coater	-	-	0.0019	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-001-19	Industrial Processes Mineral Products Asphalt Roofing Manufacture Shingle Sation:Spray/Dip Satur,Drying-in Drm,Hot Loopr,Coatr & Str Tk	0.26	-	-	-	-	-	-	-	TON
3-05-002-02	Industrial Processes Mineral Products Asphalt Concrete Batch Mix Plant: Hot Elevs, Screens, Bins&Mixer (also see -45 thru -47	-	0.03	-	-	-	0.09	-	-	TON
3-05-002-05	Industrial Processes Mineral Products Asphalt Concrete Drum Dryer: Drum Mix Plant (see 3-05-002-55 thru -63 for subtypes)	-	-	-	6.5	-	-	-	-	TON
3-05-002-06	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-05-002-07	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: Residual Oil	0.28	55	5	-	-	159*S	-	-	E3GAL
3-05-002-08	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: Distillate Oil	0.2	20	5	-	-	144*S	-	-	E3GAL
3-05-002-09	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: LPG	0.47	8.8	1.8	-	-	86.5*S	-	-	E3GAL
3-05-002-13	Industrial Processes Mineral Products Asphalt Concrete Storage Silo	0.012	-	0.00118	-	-	-	-	-	TON
3-05-002-14	Industrial Processes Mineral Products Asphalt Concrete Truck Load-out	0.0039	-	0.0013	-	-	-	-	-	TON
3-05-002-45	Industrial Processes Mineral Products Asphalt Concrete Batch Mix Plant: Hot Elevators, Screens, Bins, Mixer & NG Rot Dryer	0.0082	0.025	0.4	4.5	-	0.0046	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-002-46	Industrial Processes Mineral Products Asphalt Concrete Batch Mix Plant: Hot Elevators, Screens, Bins, Mixer& #2 Oil Rot Dryer	0.0082	0.12	0.4	4.5	-	0.088	-	-	TON
3-05-002-47	Industrial Processes Mineral Products Asphalt Concrete Batch Mix Plant: Hot Elevs, Scrns, Bins, Mixer& Waste/Drain/#6 Oil Rot	0.036	0.12	0.4	4.5	-	0.088	-	-	TON
3-05-002-55	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas-Fired	0.032	0.026	0.13	6.5	-	0.0034	-	-	TON
3-05-002-56	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas, Parallel Flow	0.032	0.026	0.13	6.5	-	0.0034	-	-	TON
3-05-002-57	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas, Counterflow	0.032	0.026	0.13	6.5	-	0.0034	-	-	TON
3-05-002-58	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired	0.032	0.055	0.13	6.5	-	0.011	-	0.00054	TON
3-05-002-59	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired, Parallel Flow	0.032	0.055	0.13	6.5	-	0.011	-	0.00054	TON
3-05-002-60	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired, Counterflow	0.032	0.055	0.13	6.5	-	0.011	-	0.00054	TON
3-05-002-61	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil-Fired	0.032	0.055	0.13	6.5	-	0.058	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-002-62	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Pl: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil, Parallel Flo	0.032	0.055	0.13	6.5	-	0.058	-	-	TON
3-05-002-63	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Pl: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil, Counterflow	0.032	0.055	0.13	6.5	-	0.058	-	-	TON
3-05-002-70	Industrial Processes Mineral Products Asphalt Concrete Yard Emissions: Emissions from asphalt in truck beds	0.001	-	0.00035	-	-	-	-	-	TON
3-05-002-98	Industrial Processes Mineral Products Asphalt Concrete Other Not Classified	-	-	-	-	-	0.19	-	-	TON
3-05-003-02	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Raw Material Crushing, Grinding, and Screening	-	-	-	0.53	-	-	-	-	TON
3-05-003-04	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Curing	0.03	0.29	0.07	-	-	0.02	-	-	TON
3-05-003-10	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Sawdust-fired	0.024	0.37	1.6	0.85	0.75	0.67	-	0.00015	TON
3-05-003-11	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Gas-fired	0.024	0.35	1.2	0.87	-	0.67	-	0.00015	TON
3-05-003-12	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Oil-fired	0.007	1.05	0.12	-	-	3.95E0*S	-	-	TON
3-05-003-13	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Coal-fired	0.024	0.51	0.8	1.4	0.87	1.2	-	0.00015	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-003-14	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Periodic Kiln: Gas-fired	0.01	0.5	0.15	-	-	-	-	-	TON
3-05-003-15	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Periodic Kiln: Oil-fired	0.01	1.62	0.19	-	-	5.9E0*S	-	-	TON
3-05-003-16	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Periodic Kiln: Coal-fired	0.02	2.35	2.39	-	-	1.213E1*S	-	-	TON
3-05-003-22	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Gas-fired: High Sulfur Material	-	0.35	1.2	-	-	5.1	-	-	TON
3-05-003-50	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Brick Dryer: Heated With Waste Heat From Kiln Cooling Zone	0.03	-	-	-	-	-	-	-	TON
3-05-003-51	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Brick Dryer: Heated With Waste Heat And Supplemental Gas Burners	0.03	0.098	0.31	-	-	-	-	-	TON
3-05-003-61	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Sawdust Dryer: Heated With Exhaust From Sawdust-fired Kiln	0.18	-	-	0.31	-	-	-	0.00012	TON
3-05-004-01	Industrial Processes Mineral Products Calcium Carbide Electric Furnace: Hoods and Main Stack	-	-	-	-	-	3	-	-	TON
3-05-004-02	Industrial Processes Mineral Products Calcium Carbide Coke Dryer	-	0.2	-	-	-	3	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-005-04	Industrial Processes Mineral Products Castable Refractory Curing Oven	1	0.16	-	-	-	-	-	-	TON
3-05-006-06	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Kiln	0.028	6	0.21	-	-	10	-	0.12	TON
3-05-006-13	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Raw Material Grinding and Drying	-	-	-	-	-	-	-	0.04	TON
3-05-006-17	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Clinker Grinding	-	-	-	-	-	-	-	0.04	TON
3-05-006-22	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Preheater Kiln	0.18	4.8	0.98	-	-	0.55	-	-	TON
3-05-006-23	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Preheater/Precalciner Kiln	0.12	4.2	3.7	-	-	1.1	-	-	TON
3-05-007-06	Industrial Processes Mineral Products Cement Manufacturing (Wet Process) Kiln	0.028	7.4	0.12	-	-	8.2	-	0.1	TON
3-05-007-17	Industrial Processes Mineral Products Cement Manufacturing (Wet Process) Clinker Grinding	-	-	-	-	-	-	-	0.02	TON
3-05-008-45	Industrial Processes Mineral Products Clay Ceramics Manufacture Glaze Spray Booth	-	-	-	-	-	-	-	3	TON
3-05-008-50	Industrial Processes Mineral Products Clay Ceramics Manufacture Tunnel Kiln: Natural Gas-fired	0.43	0.54	3.3	-	-	4.4E1*S	-	-	TON
3-05-010-01	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling Fluidized Bed Reactor	0.098	0.16	-	-	-	1.4	-	-	TON
3-05-010-02	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling Flash Dryer	-	-	-	-	-	0.52	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-011-07	Industrial Processes Mineral Products Concrete Batching Cement Unloading to Elevated Storage Silo	-	-	-	-	-	-	-	0.000000736	TON
3-05-011-09	Industrial Processes Mineral Products Concrete Batching Mixer Loading of Cement/Sand/Aggregate	-	-	-	-	-	-	-	0.000000382	TON
3-05-011-10	Industrial Processes Mineral Products Concrete Batching Loading of Transit Mix Truck	-	-	-	-	-	-	-	0.00000362	TON
3-05-012-01	Industrial Processes Mineral Products Fiberglass Manufacturing Regenerative Furnace (Wool-type Fiber)	0.2	5	0.25	-	-	10	-	-	TON
3-05-012-02	Industrial Processes Mineral Products Fiberglass Manufacturing Recuperative Furnace (Wool-type Fiber)	0.2	1.7	0.25	-	-	10	-	-	TON
3-05-012-03	Industrial Processes Mineral Products Fiberglass Manufacturing Electric Furnace (Wool-type Fiber)	0.2	0.27	0.05	-	-	0.04	-	-	TON
3-05-012-07	Industrial Processes Mineral Products Fiberglass Manufacturing Unit Melter Furnace (Wool-type Fiber)	-	0.3	0.25	-	-	0.6	-	-	TON
3-05-012-08	Industrial Processes Mineral Products Fiberglass Manufacturing Forming: Flame Attenuation (Wool-type Fiber)	0.3	-	-	-	-	-	-	-	TON
3-05-012-09	Industrial Processes Mineral Products Fiberglass Manufacturing Curing: Flame Attenuation (Wool-type Fiber)	7	2	3.5	-	-	-	-	-	TON
3-05-012-11	Industrial Processes Mineral Products Fiberglass Manufacturing Regenerative Furnace (Textile-type Fiber)	0.2	20	1	-	-	30	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-012-12	Industrial Processes Mineral Products Fiberglass Manufacturing Recuperative Furnace (Textile-type Fiber)	0.2	20	0.5	-	-	3	-	-	TON
3-05-012-13	Industrial Processes Mineral Products Fiberglass Manufacturing Unit Melter Furnace (Textile-type Fiber)	-	20	0.9	-	-	-	-	-	TON
3-05-012-15	Industrial Processes Mineral Products Fiberglass Manufacturing Curing Oven (Textile-type Fiber)	-	2.6	1.5	-	-	-	-	-	TON
3-05-013-05	Industrial Processes Mineral Products Frit Manufacture Rotary Smelting Furnace	-	16	4.8	-	-	-	-	-	TON
3-05-013-06	Industrial Processes Mineral Products Frit Manufacture Continuous Smelting Furnace	-	16	4.8	-	-	-	-	-	TON
3-05-014-02	Industrial Processes Mineral Products Glass Manufacture Container Glass: Melting Furnace	0.2	6.2	0.2	-	-	3.4	-	-	TON
3-05-014-03	Industrial Processes Mineral Products Glass Manufacture Flat Glass: Melting Furnace	0.1	8	0.1	-	-	3	-	-	TON
3-05-014-04	Industrial Processes Mineral Products Glass Manufacture Pressed and Blown Glass: Melting Furnace	0.3	8.5	0.2	-	-	5.6	-	-	TON
3-05-014-06	Industrial Processes Mineral Products Glass Manufacture Container Glass: Forming/Finishing	8.7	-	-	-	-	-	-	-	TON
3-05-014-08	Industrial Processes Mineral Products Glass Manufacture Pressed and Blown Glass: Forming/Finishing	9	-	-	-	-	-	-	-	TON
3-05-014-14	Industrial Processes Mineral Products Glass Manufacture Ground Cullet Beading Furnace	0.3	8.5	-	-	-	5.6	-	-	TON
3-05-016-03	Industrial Processes Mineral Products Lime Manufacture Calcining: Vertical Kiln	0.02	2.8	-	-	-	8.2	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-016-04	Industrial Processes Mineral Products Lime Manufacture Calcining: Rotary Kiln (See SCC Codes 3-05-016-18,-19,-20,-21)	0.06	2.8	2	-	-	6.71	-	-	TON
3-05-016-05	Industrial Processes Mineral Products Lime Manufacture Calcining: Gas-fired Calcimatic Kiln	0.02	0.15	-	-	-	-	-	-	TON
3-05-016-06	Industrial Processes Mineral Products Lime Manufacture Fluidized Bed Kiln	0.02	-	-	-	-	-	-	-	TON
3-05-016-18	Industrial Processes Mineral Products Lime Manufacture Calcining: Coal-fired Rotary Kiln	-	3.1	1.5	-	-	5.4	-	-	TON
3-05-016-19	Industrial Processes Mineral Products Lime Manufacture Calcining: Gas-fired Rotary Kiln	-	3.5	2.2	-	-	-	-	-	TON
3-05-017-01	Industrial Processes Mineral Products Mineral Wool Manufacturing Cupola	-	1.6	250	-	-	8	-	-	TON
3-05-017-03	Industrial Processes Mineral Products Mineral Wool Manufacturing Blow Chamber	0.9	-	-	-	-	0.087	-	-	TON
3-05-017-04	Industrial Processes Mineral Products Mineral Wool Manufacturing Curing Oven	1	0.16	-	-	-	1.2	-	-	TON
3-05-017-05	Industrial Processes Mineral Products Mineral Wool Manufacturing Cooler	0.04	-	-	-	-	0.068	-	-	TON
3-05-019-01	Industrial Processes Mineral Products Phosphate Rock Drying	-	-	0.34	-	-	-	-	-	TON
3-05-020-02	Industrial Processes Mineral Products Stone Quarrying - Processing Secondary Crushing/Screening	-	-	-	0.0087	-	-	-	-	TON
3-05-020-03	Industrial Processes Mineral Products Stone Quarrying - Processing Tertiary Crushing/Screening	-	-	-	0.0024	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-020-05	Industrial Processes Mineral Products Stone Quarrying - Processing Fines Mill	-	-	-	0.015	-	-	-	-	TON
3-05-020-06	Industrial Processes Mineral Products Stone Quarrying - Processing Miscellaneous Operations: Screen/Convey/Handling	-	-	-	0.0011	0.000013	-	-	-	TON
3-05-020-10	Industrial Processes Mineral Products Stone Quarrying - Processing Drilling	-	-	-	0.00008	-	-	-	-	TON
3-05-020-21	Industrial Processes Mineral Products Stone Quarrying - Processing Fines Screening	-	-	-	0.072	-	-	-	-	TON
3-05-020-31	Industrial Processes Mineral Products Stone Quarrying - Processing Truck Unloading	-	-	-	0.000016	-	-	-	-	TON
3-05-020-32	Industrial Processes Mineral Products Stone Quarrying - Processing Truck Loading: Conveyor	-	-	-	0.0001	-	-	-	-	TON
3-05-027-20	Industrial Processes Mineral Products Industrial Sand and Gravel Sand Drying: Gas- or Oil-fired Rotary or Fluidized Bed Dryer	-	0.031	-	-	-	-	-	-	TON
3-05-029-10	Industrial Processes Mineral Products Lightweight Aggregate Manufacture Rotary Kiln	-	-	0.59	-	-	5.6	-	-	TON
3-05-033-01	Industrial Processes Mineral Products Vermiculite General	-	0.08	-	-	-	0.47	-	-	TON
3-05-310-01	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling (See 305010) Fluidized Bed	98	160	-	-	-	1400	-	-	E3TON
3-05-310-02	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling (See 305010) Flash or Suspension	-	-	-	-	-	520	-	-	E3TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-900-01	Industrial Processes Mineral Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-05-900-02	Industrial Processes Mineral Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-05-900-03	Industrial Processes Mineral Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-05-900-11	Industrial Processes Mineral Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-05-900-12	Industrial Processes Mineral Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-05-900-13	Industrial Processes Mineral Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-05-900-23	Industrial Processes Mineral Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-06-001-01	Industrial Processes Petroleum Industry Process Heaters Oil-fired	12.6	2310	-	-	-	6.678E3*S	-	0.0121716	E3BBL
3-06-001-02	Industrial Processes Petroleum Industry Process Heaters Gas-fired	-	0.14	0.03	-	-	9.5E-1*S	-	-	E3FT3
3-06-001-03	Industrial Processes Petroleum Industry Process Heaters Oil	0.3	55	5	-	-	1.586E2*S	-	-	E3GAL
3-06-001-04	Industrial Processes Petroleum Industry Process Heaters Gas	5.5	100	84	-	-	-	-	-	E6FT3
3-06-001-05	Industrial Processes Petroleum Industry Process Heaters Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-06-001-06	Industrial Processes Petroleum Industry Process Heaters Process Gas	2.8	140	35	-	-	-	-	-	E6FT3
3-06-001-07	Industrial Processes Petroleum Industry Process Heaters Liquified Petroleum Gas (LPG)	0.26	12.8	3.2	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-06-001-08	Industrial Processes Petroleum Industry Process Heaters Landfill Gas	2.8	-	-	-	-	-	-	-	E6FT3
3-06-001-11	Industrial Processes Petroleum Industry Process Heaters No. 6 Oil	-	67	5	-	-	1.593E2*S	-	-	E3GAL
3-06-002-01	Industrial Processes Petroleum Industry Catalytic Cracking Unit Fluid Catalytic Cracking Unit	220	71	13700	-	-	493	54	-	E3BBL
3-06-003-01	Industrial Processes Petroleum Industry Catalytic Cracking Unit Thermal Catalytic Cracking Unit	87	5	3800	-	-	60	6	-	E3BBL
3-06-004-01	Industrial Processes Petroleum Industry Blowdown Systems Blowdown System with Vapor Recovery System with Flaring	0.8	18.9	4.3	-	-	26.9	-	-	E3BBL
3-06-004-02	Industrial Processes Petroleum Industry Blowdown Systems All Not Elsewhere Classified	580	-	-	-	-	-	-	-	E3BBL
3-06-005-03	Industrial Processes Petroleum Industry Wastewater Treatment Process Drains and Wastewater Separators	5	-	-	-	-	-	-	-	E3GAL
3-06-005-04	Industrial Processes Petroleum Industry Wastewater Treatment Process Drains and Wastewater Separators	200	-	-	-	-	-	-	-	E3BBL
3-06-005-05	Industrial Processes Petroleum Industry Wastewater Treatment Wastewater Treatment without Separator	0.03	-	-	-	-	-	-	-	E3GAL
3-06-005-06	Industrial Processes Petroleum Industry Wastewater Treatment Wastewater Treatment w/o Separator	0.7	-	-	-	-	-	-	-	E3BBL
3-06-006-02	Industrial Processes Petroleum Industry Vacuum Distillation Column Condenser	50	-	-	-	-	-	-	-	E3BBL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-06-006-03	Industrial Processes Petroleum Industry Vacuum Distillate Column Condensors Vacuum Distillation Column Condenser	18	-	-	-	-	-	-	-	E3BBL
3-06-007-01	Industrial Processes Petroleum Industry Cooling Towers All Not Elsewhere Classified	6	-	-	-	-	-	-	-	E6GAL
3-06-007-02	Industrial Processes Petroleum Industry Cooling Towers Cooling Towers	10	-	-	-	-	-	-	-	E3BBL
3-06-008-11	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Gas Streams	517	-	-	-	-	-	-	-	EACH
3-06-008-12	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Light Liquid/Gas Streams	210	-	-	-	-	-	-	-	EACH
3-06-008-13	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Heavy Liquid Streams	4.38	-	-	-	-	-	-	-	EACH
3-06-008-14	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Hydrogen Streams	158	-	-	-	-	-	-	-	EACH
3-06-008-15	Industrial Processes Petroleum Industry Fugitive Emissions Open-ended Valves: All Streams	43.8	-	-	-	-	-	-	-	EACH
3-06-008-16	Industrial Processes Petroleum Industry Fugitive Emissions Flanges: All Streams	4.9	-	-	-	-	-	-	-	EACH
3-06-008-17	Industrial Processes Petroleum Industry Fugitive Emissions Pump Seals: Light Liquid/Gas Streams	2190	-	-	-	-	-	-	-	EACH
3-06-008-18	Industrial Processes Petroleum Industry Fugitive Emissions Pump Seals: Heavy Liquid Streams	403	-	-	-	-	-	-	-	EACH
3-06-008-19	Industrial Processes Petroleum Industry Fugitive Emissions Compressor Seals: Gas Streams	12300	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-06-008-20	Industrial Processes Petroleum Industry Fugitive Emissions Compressor Seals: Heavy Liquid Streams	964	-	-	-	-	-	-	-	EACH
3-06-008-21	Industrial Processes Petroleum Industry Fugitive Emissions Drains: All Streams	613	-	-	-	-	-	-	-	EACH
3-06-008-22	Industrial Processes Petroleum Industry Fugitive Emissions Pressure Relief Devices: All Streams	3150	-	-	-	-	-	-	-	EACH
3-06-009-03	Industrial Processes Petroleum Industry Flares Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-009-04	Industrial Processes Petroleum Industry Flares Process Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-010-01	Industrial Processes Petroleum Industry Sludge Converter All Not Elsewhere Classified	35.6	-	-	-	-	-	-	-	TON
3-06-011-01	Industrial Processes Petroleum Industry Asphalt/Bitumen Production Asphalt Blowing	60	-	-	-	-	-	-	-	TON
3-06-012-01	Industrial Processes Petroleum Industry Fluid Coking Unit All Not Elsewhere Classified	16	-	-	-	-	-	-	-	E3BBL
3-06-014-01	Industrial Processes Petroleum Industry Petroleum Coke Calcining Calciner	0.7	1.1	-	-	-	16	-	-	TON
3-06-024-01	Industrial Processes Petroleum Industry Reciprocating Engine Compressors Natural Gas Fired	-	-	-	-	-	-	0.2	-	E3FT3
3-06-099-01	Industrial Processes Petroleum Industry Incinerators Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
3-06-099-02	Industrial Processes Petroleum Industry Incinerators Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL
3-06-099-03	Industrial Processes Petroleum Industry Incinerators Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-099-04	Industrial Processes Petroleum Industry Incinerators Process Gas	5.6	-	-	-	-	-	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-001-02	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Brown Stock Washing System	0.2	-	-	-	-	0.01	-	-	TON
3-07-001-04	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Recovery Furnace/Direct Contact Evaporator	1.95	2	11	-	-	7	-	-	TON
3-07-001-05	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Smelt Dissolving Tank	0.16	1	-	-	-	0.2	-	-	TON
3-07-001-06	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Lime Kiln	0.25	2.8	0.1	-	-	0.3	-	0.000109	TON
3-07-001-07	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Turpentine Condenser	0.07	-	-	-	-	-	-	-	TON
3-07-001-08	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Fluid Bed Calciner	0.25	2.8	-	-	-	0.3	-	-	TON
3-07-001-09	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Black Liquor Oxidation System	0.45	-	-	-	-	0.02	-	-	TON
3-07-001-10	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Recovery Furnace/Indirect Contact Evaporator	0.8	1.9	11	-	-	-	-	-	TON
3-07-002-21	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Recovery System: MgO	-	-	-	-	-	9	-	-	TON
3-07-002-22	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Recovery System: NH3 including liquor evaporators	-	-	-	-	-	7	-	-	TON
3-07-002-23	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Recovery System: Na	-	-	-	-	-	2	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-002-31	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Acid Plant: NH3	3.5	-	-	-	-	0.3	-	-	TON
3-07-002-32	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Acid Plant: Na	3.5	-	-	-	-	0.2	-	-	TON
3-07-002-33	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Acid Plant: Ca	3.5	-	-	-	-	8	-	-	TON
3-07-003-01	Industrial Processes Pulp and Paper and Wood Products Semichemical Pulping Neutral Sulfite Semichemical Pulping: Digester/Blow Pit/Dump Tank	-	-	-	-	-	4	-	-	TON
3-07-003-02	Industrial Processes Pulp and Paper and Wood Products Semichemical Pulping Neutral Sulfite Semichemical Pulping: Evaporator	-	-	-	-	-	0.01	-	-	TON
3-07-003-03	Industrial Processes Pulp and Paper and Wood Products Neutral Sulfite Semichemical Pulping Fluid Bed Reactor	0.25	1.6	-	-	-	-	-	-	TON
3-07-004-01	Industrial Processes Pulp and Paper and Wood Products Paper, Paperboard, and Pulpboard Manufacture Paper Machine / Pulp Dryer	0.2	-	-	-	-	-	-	-	TON
3-07-004-02	Industrial Processes Pulp and Paper and Wood Products Pulpboard Manufacture Fiberboard: General	2.5	-	-	-	-	-	-	-	TON
3-07-005-30	Industrial Processes Pulp and Paper and Wood Products Wood Pressure Treating Empty-cell process, creosote	0.00074	-	-	-	-	-	-	-	FT3
3-07-005-40	Industrial Processes Pulp and Paper and Wood Products Wood Pressure Treating Empty-cell process with artificial conditioning, creosote	0.0058	-	-	-	-	-	-	-	FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-006-07	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, Softwood	0.9	0.58	0.68	-	-	-	-	-	TON
3-07-006-08	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, mixed soft/hardwoods	0.059	1.8	0.59	-	-	-	-	-	TON
3-07-006-10	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, Hardwoods	0.24	0.92	5.7	-	-	-	-	-	TON
3-07-006-25	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, Softwood, green (>50%inlet moisture)	4.7	2.7	3.5	-	-	-	-	-	TON
3-07-006-26	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, mixed soft/hardwoods, green	1.6	1.4	0.77	-	-	-	-	-	TON
3-07-006-30	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Natural Gas-fired Rotary Dryer, Softwood	2	-	-	-	-	-	-	-	TON
3-07-006-31	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Natural Gas-fired Rotary Dryer, Softwood, green (>50% moisture)	0.94	-	-	-	-	-	-	-	TON
3-07-006-32	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Natural Gas-fired Rotary Dryer, Hardwood	0.28	0.024	1.2	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-006-35	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Dry Rotary Dryer: Indirect-heated: <600F Inlet air, <30%MC: Softwood	0.3	0.31	0.12	-	-	-	-	-	TON
3-07-006-51	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Reconstituted Wood Products Press: Batch: Urea Formaldehyde Resin	1.1	0.017	0.22	-	-	-	-	-	E3FT2
3-07-006-61	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Board Cooler: Urea Formaldehyde Resin	0.091	-	0.15	-	-	-	-	-	E3FT2
3-07-006-64	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Refiner: Green Wood Material: Softwood	1.1	-	-	-	-	-	-	-	TON
3-07-006-65	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Sanding Operations	0.079	-	-	-	-	-	-	-	E3FT2
3-07-007-34	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Direct Wood-fired: Heated Zones	0.063	-	0.23	-	-	-	-	-	E3FT2
3-07-007-35	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Direct Wood-fired: Cooling Section	0.0045	-	-	-	-	-	-	-	E3FT2
3-07-007-36	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Direct Wood-fired: Heated Zones	1.1	0.17	3.2	-	-	-	-	-	E3FT2
3-07-007-52	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Direct Natural Gas-fired: Heated Zones	2.5	0.012	0.64	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-007-53	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Direct Natural Gas-fired: Cooling Section	0.044	-	0.01	-	-	-	-	-	E3FT2
3-07-007-56	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Indirect-heated: Heated Zones	0.28	-	0.0088	-	-	-	-	-	E3FT2
3-07-007-57	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Indirect-heated: Cooling Section	0.72	-	0.099	-	-	-	-	-	E3FT2
3-07-007-62	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Indirect-heated: Heated Zones	1.8	-	0.028	-	-	-	-	-	E3FT2
3-07-007-63	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Indirect-heated: Cooling Section	0.054	-	0.043	-	-	-	-	-	E3FT2
3-07-007-71	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Veneer Redryer: Radio Frequency-heated: Softwood	0.28	-	-	-	-	-	-	-	E3FT2
3-07-007-83	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Press: Phenol Formaldehyde Resin: Softwood	0.25	-	-	-	-	-	-	-	E3FT2
3-07-007-85	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Press: Urea Formaldehyde Resin: Hardwood	0.047	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-007-88	Industrial Processes Pulp and Paper and Wood Products Plywood Operations HardwdPlywd,CombdDustBH:Trim&CoreSaws,Composr,DryHog,Hammermill,Sandr	0.014	-	-	-	-	-	-	-	E3FT2
3-07-007-90	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hammermill/Chipper: Green Wood Material: Softwood	0.072	-	-	-	-	-	-	-	E3FT2
3-07-007-91	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hammermill/Chipper: Dry Wood Material	0.068	-	-	-	-	-	-	-	E3FT2
3-07-007-92	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Plywood, Sanders and Specialty Saw	0.18	-	-	-	-	-	-	-	E3FT2
3-07-007-93	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Plywood, Saws, Hog, and Sander	0.086	-	-	-	-	-	-	-	E3FT2
3-07-009-23	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Direct Wood-fired: Blowline Blend: Urea Formaldehyde Resin: Softwood	6.7	-	4	-	-	-	-	-	TON
3-07-009-27	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Direct Natural Gas-fired: Non-Blowline Blend: Hardwood	1.2	-	0.2	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-009-32	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Indirect-heated: Blowline Blend: Urea Formaldehyde Resin: Softwood	5.6	-	0.068	-	-	-	-	-	TON
3-07-009-33	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Indirect-heated Tube Dryer, Non-blowline Blend, Softwoods	2.1	-	0.11	-	-	-	-	-	TON
3-07-009-36	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Indirect-heated: Blowline Blend: Urea Formaldehyde Resin: Hardwood	4.8	-	-	-	-	-	-	-	TON
3-07-009-37	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Indirect-heated Second Stage Tube Dryer, Blowline Blend, Softwoods	0.18	-	-	-	-	-	-	-	TON
3-07-009-40	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Direct Natural Gas-fired Rotary Predryer, Softwoods	0.95	-	0.24	-	-	-	-	-	TON
3-07-009-60	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Reconstituted Wood Products Press: Batch: Urea Formaldehyde Resin	0.8	0.03	0.034	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-009-71	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Board Cooler: Urea Formaldehyde Resin	0.13	-	-	-	-	-	-	-	E3FT2
3-07-009-82	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Former With Blowline Blend: Urea Formaldehyde Resin	0.067	-	-	-	-	-	-	-	TON
3-07-009-83	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Sanding Operations: Urea Formaldehyde Resin	0.0066	-	-	-	-	-	-	-	E3FT2
3-07-009-84	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Sawing Operations: Pre-Press: Urea Formaldehyde Resin	0.13	-	-	-	-	-	-	-	E3FT2
3-07-010-09	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Wood-fired: Softwood	8.1	0.7	5.3	-	-	-	-	-	TON
3-07-010-10	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Wood-fired: Hardwood	2.1	0.63	5.5	-	-	-	-	-	TON
3-07-010-15	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Wood-fired: Mixed Softwood/Hardwood	4.4	0.51	5.9	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-010-20	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Natural Gas-fired: Hardwood	-	0.68	0.72	-	-	-	-	-	TON
3-07-010-30	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Indirect-heated: Hardwood	0.51	-	-	-	-	-	-	-	TON
3-07-010-53	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Reconstituted Wood Products Press: Phenol Formaldehyde Resin	0.21	0.049	0.095	-	-	-	-	-	E3FT2
3-07-010-54	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Hot Press, Phenol-Formaldehyde Resin (Dry)	-	0.0014	0.0026	-	-	-	-	-	E3FT2
3-07-010-55	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Reconstituted Wood Products Press: Methylene Diphenyl Diisocyanate (MDI) Resin	0.2	0.019	0.11	-	-	-	-	-	E3FT2
3-07-010-57	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Reconstituted Wood Products Press: Phenol Formaldehyde Resin (surface layers)/ Methylene Diphenyl Diisocyanate (MDI) Res	0.67	0.041	0.1	-	-	0.037	-	-	E3FT2
3-07-010-60	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Blender, PF Resin/MDI Resin	0.16	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-010-62	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Sanding Operations	0.12	-	-	-	-	-	-	-	E3FT2
3-07-010-64	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Storage Bins: Trimming and Dryer Exhaust Cyclone Dust	0.06	-	-	-	-	-	-	-	E3FT2
3-07-014-10	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Pressurized Refiner/Primary Tube Dryer: Direct Wood-fired: Blowline Blend: Phenol Formaldehyde Resin: Hardwood	1.1	-	0.085	-	-	-	-	-	TON
3-07-014-15	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Pressurized Refiner/Primary Tube Dryer: Natural Gas-fired: Blowline Blend: Phenol Formaldehyde Resin: Hardwood	5	0.44	0.067	-	-	-	-	-	TON
3-07-014-16	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Board dryer,direct NG-fired,softwood, linseed oil binder(heated zones)	-	-	0.49	-	-	-	-	-	E3FT2
3-07-014-20	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Tempering oven, direct natural gas-fired, hardwood	0.61	-	0.11	-	-	-	-	-	E3FT2
3-07-014-25	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Tube dryer, second stage, indirect heated, hardwood	0.27	-	0.076	-	-	-	-	-	TON
3-07-014-30	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Humidification kiln, indirect heated	0.76	0.0028	0.16	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-014-40	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Hot press, PF resin	0.52	-	-	-	-	-	-	-	E3FT2
3-07-014-42	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Hot press, linseed oil binder	0.71	-	-	-	-	-	-	-	E3FT2
3-07-014-82	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Log chipper, hardwood	0.005	-	-	-	-	-	-	-	TON
3-07-014-84	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Pressurized digester/refiner, hardwood	0.49	-	-	-	-	-	-	-	TON
3-07-015-10	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Board dryer, indirect heated, softwood, starch binder (heated zones)	0.082	-	0.092	-	-	-	-	-	E3FT2
3-07-015-12	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Board dryer,indirect htd, softwood, 6-12% asphalt binder(heated zones)	0.14	-	0.029	-	-	-	-	-	E3FT2
3-07-015-30	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Atmospheric Refiner: Softwood	0.96	-	-	-	-	-	-	-	TON
3-07-015-40	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Fiber Washer: Softwood	0.23	-	-	-	-	-	-	-	TON
3-07-015-50	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Former, vacuum system, wet, 6-12% asphalt	0.17	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-016-01	Industrial Processes Pulp and Paper and Wood Products Engineered Wood Products Laminated Veneer Lumber (LVL) Manufacture: Hardwood Veneer Dryer: Indirect-heated: Heated Zones	0.016	-	-	-	-	-	-	-	E3FT2
3-07-016-02	Industrial Processes Pulp and Paper and Wood Products Engineered Wood Products Laminated Veneer Lumber (LVL) Manufacture: Hardwood Veneer Dryer: Indirect-heated: Cooling Section	0.26	-	-	-	-	-	-	-	E3FT2
3-07-016-12	Industrial Processes Pulp and Paper and Wood Products Engineered Wood Products Laminated Veneer Lumber (LVL) Manufacture: Press: Phenol Formaldehyde Resin	10.4	-	-	-	-	-	-	-	E3FT3
3-07-016-20	Industrial Processes Pulp and Paper and Wood Products Laminated Veneer Lumber Manufacture LVL, I-Beam Saw	0.11	-	-	-	-	-	-	-	E3FT
3-07-016-30	Industrial Processes Pulp and Paper and Wood Products Laminated Veneer Lumber Manufacture I-Joist manufacture: I-Joist, curing chamber	0.0035	-	-	-	-	-	-	-	E3FT
3-07-016-40	Industrial Processes Pulp and Paper and Wood Products Laminated Strand Lumber Manufacture LSL, rotary, direct wood-fired, hardwood	0.29	0.47	1.3	-	-	-	-	-	TON
3-07-016-41	Industrial Processes Pulp and Paper and Wood Products Laminated Strand Lumber Manufacture LSL, conveyor, indirect heated, hardwood	-	2.3	-	-	-	-	-	-	TON
3-07-016-50	Industrial Processes Pulp and Paper and Wood Products Laminated Strand Lumber Manufacture LSL, press, MDI resin	-	-	0.7	-	-	-	-	-	E3FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-900-01	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-07-900-02	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-07-900-03	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-07-900-11	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-07-900-12	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-07-900-13	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-07-900-23	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-08-001-01	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Undertread and Sidewall Cementing	230	-	-	-	-	-	-	-	E3EACH
3-08-001-02	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Bead Dipping	13.3	-	-	-	-	-	-	-	E3EACH
3-08-001-03	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Bead Swabbing	18.3	-	-	-	-	-	-	-	E3EACH
3-08-001-04	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tire Building	72.6	-	-	-	-	-	-	-	E3EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-08-001-05	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tread End Cementing	33.2	-	-	-	-	-	-	-	E3EACH
3-08-001-06	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Green Tire Spraying	302	-	-	-	-	-	-	-	E3EACH
3-08-001-07	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tire Curing	4.4	-	-	-	-	-	-	-	E3EACH
3-08-001-08	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Solvent Mixing	10.8	-	-	-	-	-	-	-	TON
3-08-001-20	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Undertread and Sidewall Cementing	1800	-	-	-	-	-	-	-	TON
3-08-001-21	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tread End Cementing	1800	-	-	-	-	-	-	-	TON
3-08-001-22	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Bead Dipping	1800	-	-	-	-	-	-	-	TON
3-08-001-23	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Green Tire Spraying	1840	-	-	-	-	-	-	-	TON
3-08-005-01	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Retreading Tire Buffing Machines	600	-	-	-	-	-	-	-	E3EACH
3-08-007-01	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Plastics Machining: Drilling/Sanding/Sawing/etc.	13	-	-	-	-	-	-	-	TON
3-08-007-03	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Solvent Consumption	649	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-08-007-04	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Adhesive Consumption	649	-	-	-	-	-	-	-	TON
3-08-007-21	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Gel Coat: Manual Application	940	-	-	-	-	-	-	-	TON
3-08-007-22	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Gel Coat: Atomized Spray	600	-	-	-	-	-	-	-	TON
3-08-007-23	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Mechanical Resin Applic: Non-atomized spray(incl pressure fed rollers)	500	-	-	-	-	-	-	-	TON
3-08-007-24	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Resin: General: Spray On (use 3-08-007-30 or -31)	220	-	-	-	-	-	-	-	TON
3-08-009-01	Industrial Processes Rubber and Miscellaneous Plastics Products Plastic Miscellaneous Products Polystyrene: General	49.8	-	-	-	-	-	-	-	TON
3-08-900-01	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-08-900-02	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-08-900-03	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-08-900-11	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-08-900-12	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-08-900-13	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-08-900-23	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-09-002-02	Industrial Processes Fabricated Metal Products Abrasive Blasting of Metal Parts Sand Abrasive	-	-	-	26	2.6	-	-	-	TON
3-09-010-01	Industrial Processes Fabricated Metal Products Electroplating Operations Entire Process: General	0.026	0.009	-	-	-	-	-	-	FT2
3-09-010-28	Industrial Processes Fabricated Metal Products Electroplating Operations Decorative Chromium - Electroplating Tank	-	-	-	0.069	-	-	-	-	AMP-HR
3-09-010-38	Industrial Processes Fabricated Metal Products Electroplating Operations Chromic Acid Anodizing - Anodizing Tank	-	-	-	4.2	-	-	-	-	E3FT2
3-09-011-01	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Alkaline Cleaning Bath	-	0.3	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-09-011-02	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Acid Cleaning Bath (Pickling)	-	13	-	-	-	-	-	-	TON
3-09-011-03	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Anodizing Kettle	-	0.2	-	-	-	-	-	-	TON
3-09-011-04	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Rinsing/Finishing	100	8	-	-	-	-	-	-	TON
3-09-015-01	Industrial Processes Fabricated Metal Products Chemical Milling of Metal Products Milling Tank	-	160	-	-	-	-	-	-	TON
3-09-016-01	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Asphalt Dipping	1000	-	-	-	-	-	-	-	TON
3-09-016-05	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Asphalt Dipping	23.3	-	-	-	-	-	-	-	E3FT2
3-09-016-06	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Pipe Spinning	23.3	-	-	-	-	-	-	-	E3FT2
3-09-016-07	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Pipe Wrapping	23.3	-	-	-	-	-	-	-	E3FT2
3-09-025-01	Industrial Processes Fabricated Metal Products Drum Cleaning/Reclamation Drum Burning Furnace	-	0.002	-	-	-	-	-	-	EACH
3-09-040-01	Industrial Processes Fabricated Metal Products Metal Deposition Processes Metallizing: Wire Atomization and Spraying	-	-	-	-	-	-	-	0.5	TON
3-09-051-16	Industrial Processes Fabricated Metal Products Shielded Metal Arc Welding (SMAW) E310 Electrode	-	-	-	-	-	-	-	0.024	E3LB

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-09-051-52	Industrial Processes Fabricated Metal Products Shielded Metal Arc Welding (SMAW) E7028 Electrode	-	-	-	-	-	-	-	0.162	E3LB
3-09-900-01	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-09-900-02	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-09-900-03	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-09-900-11	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-09-900-12	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-09-900-13	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-09-900-23	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-10-001-01	Industrial Processes Oil and Gas Production Crude Oil Production Well Completion	396	-	-	-	-	-	-	-	EACH
3-10-001-02	Industrial Processes Oil and Gas Production Crude Oil Production Miscellaneous Well: General	280	-	-	-	-	-	-	-	EACH
3-10-001-03	Industrial Processes Oil and Gas Production Crude Oil Production Wells: Rod Pumps	456	-	-	-	-	-	-	-	EACH
3-10-001-04	Industrial Processes Oil and Gas Production Crude Oil Production Crude Oil Sumps	9	-	-	-	-	-	-	-	FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-10-001-05	Industrial Processes Oil and Gas Production Crude Oil Production Crude Oil Pits	9	-	-	-	-	-	-	-	FT2
3-10-002-03	Industrial Processes Oil and Gas Production Natural Gas Production Compressors (See also 310003-12 and -13)	6	-	-	-	-	-	-	-	E6FT3
3-10-002-04	Industrial Processes Oil and Gas Production Natural Gas Production Wells	35.3	-	-	-	-	-	-	-	E6FT3
3-10-002-05	Industrial Processes Oil and Gas Production Natural Gas Production Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-10-002-06	Industrial Processes Oil and Gas Production Natural Gas Production Gas Lift	6	-	-	-	-	-	-	-	E6FT3
3-10-004-01	Industrial Processes Oil and Gas Production Process Heaters Distillate Oil (No. 2)	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
3-10-004-02	Industrial Processes Oil and Gas Production Process Heaters Residual Oil	0.28	55	5	-	-	1.586E2*S	-	0.00224	E3GAL
3-10-004-03	Industrial Processes Oil and Gas Production Process Heaters Crude Oil	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-04	Industrial Processes Oil and Gas Production Process Heaters Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-10-004-05	Industrial Processes Oil and Gas Production Process Heaters Process Gas	2.8	140	35	-	-	9.5E2*S	-	-	E6FT3
3-10-004-11	Industrial Processes Oil and Gas Production Process Heaters Distillate Oil (No. 2): Steam Generators	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
3-10-004-12	Industrial Processes Oil and Gas Production Process Heaters Residual Oil: Steam Generators	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-10-004-13	Industrial Processes Oil and Gas Production Process Heaters Crude Oil: Steam Generators	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-14	Industrial Processes Oil and Gas Production Process Heaters Natural Gas: Steam Generators	2.8	140	35	-	-	0.6	-	-	E6FT3
3-10-004-15	Industrial Processes Oil and Gas Production Process Heaters Process Gas: Steam Generators	2.8	140	35	-	-	-	-	-	E6FT3
3-13-070-01	Industrial Processes Electrical Equipment Electrical Windings Reclamation Single Chamber Incinerator/Oven	950	-	-	-	-	2.5	-	-	TON
3-13-070-02	Industrial Processes Electrical Equipment Electrical Windings Reclamation Multiple Chamber Incinerator/Oven	190	0.1	-	-	-	2.5	-	-	TON
3-13-900-01	Industrial Processes Electrical Equipment Process Heaters Distillate Oil (No. 2)	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-13-900-02	Industrial Processes Electrical Equipment Process Heaters Residual Oil	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-13-900-03	Industrial Processes Electrical Equipment Process Heaters Natural Gas	2.8	140	-	-	-	0.6	-	-	E6FT3
3-14-010-01	Industrial Processes Transportation Equipment Brake Shoe Debonding Single Chamber Incinerator	950	-	-	-	-	2.5	-	-	TON
3-14-010-02	Industrial Processes Transportation Equipment Brake Shoe Debonding Multiple Chamber Incinerator	190	-	-	-	-	2.5	-	-	TON
3-15-010-02	Industrial Processes Photo Equip/Health Care/Labs/Air Condit/SwimPools Photocopying Equipment Manufacturing Toner Classification	630	-	-	-	-	-	-	-	E3LB

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-15-020-01	Industrial Processes Photo Equip/Health Care/Labs/Air Condit/SwimPools Health Care Sterilization with Ethylene Oxide	2000	-	-	-	-	-	-	-	TON
3-15-021-01	Industrial Processes Photo Equip/Health Care/Labs/Air Condit/SwimPools Health Care - Crematoriums Crematory Stack	-	-	-	-	-	-	-	0.0000662	EACH
3-20-999-98	Industrial Processes Leather and Leather Products Other Not Classified Other Not Classified	19	-	-	-	-	-	-	-	GAL
3-30-001-02	Industrial Processes Textile Products Miscellaneous Printing	284	-	-	-	-	-	-	-	TON
3-30-001-04	Industrial Processes Textile Products Miscellaneous Tenter Frames: Heat Setting	0.47	-	-	-	-	-	-	-	TON
3-30-002-11	Industrial Processes Textile Products Rubberized Fabrics Impregnation	120	-	-	-	-	-	-	-	TON
3-30-002-12	Industrial Processes Textile Products Rubberized Fabrics Wet Coating	1200	-	-	-	-	-	-	-	TON
3-30-002-13	Industrial Processes Textile Products Rubberized Fabrics Hot Melt Coating	120	-	-	-	-	-	-	-	TON
3-30-002-14	Industrial Processes Textile Products Rubberized Fabrics Wet Coating Mixing	120	-	-	-	-	-	-	-	TON
3-30-002-97	Industrial Processes Textile Products Rubberized Fabrics Other Not Classified	2000	-	-	-	-	-	-	-	TON
3-60-001-01	Industrial Processes Printing/Publishing Scrap Processes Typesetting (Lead Remelting): Remelting (Lead Emissions Only)	-	-	-	-	-	-	-	0.25	TON
3-85-001-02	Industrial Processes Cooling Tower Process Cooling Natural Draft	0.03	-	-	-	-	-	-	-	E6GAL
3-90-001-89	Industrial Processes In-process Fuel Use Anthracite Coal General	0.07	18	0.6	-	-	3.9E1*S	-	0.0133	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-90-002-88	Industrial Processes In-process Fuel Use Bituminous Coal General (Subbituminous)	0.07	34	0.6	-	-	3.9E1*S	-	-	TON
3-90-002-89	Industrial Processes In-process Fuel Use Bituminous Coal General (Bituminous)	0.07	34	0.6	-	-	3.9E1*S	-	0.0133	TON
3-90-003-89	Industrial Processes In-process Fuel Use Lignite General	0.07	14	0.6	-	-	3E1*S	-	-	TON
3-90-004-03	Industrial Processes In-process Fuel Use Residual Oil Lime Kiln	-	-	-	-	-	7.95E1*S	-	-	E3GAL
3-90-004-89	Industrial Processes In-process Fuel Use Residual Oil General	0.28	55	5	-	-	1.586E2*S	-	0.0042	E3GAL
3-90-005-02	Industrial Processes In-process Fuel Use Distillate Oil Cement Kiln/Dryer	-	-	-	-	-	9.8E1*S	-	-	E3GAL
3-90-005-03	Industrial Processes In-process Fuel Use Distillate Oil Lime Kiln	-	-	-	-	-	7.2E1*S	-	-	E3GAL
3-90-005-88	Industrial Processes In-process Fuel Use Distillate Oil PROCESS FUEL: #4 OIL	0.298	20	5	-	-	152*S	-	0.0004	E3GAL
3-90-005-89	Industrial Processes In-process Fuel Use Distillate Oil General	0.2	20	5	-	-	1.436E2*S	-	0.0012	E3GAL
3-90-006-89	Industrial Processes In-process Fuel Use Natural Gas General	5.94	100	84	-	-	0.6	-	0.0005	E6FT3
3-90-008-89	Industrial Processes In-process Fuel Use Coke General	0.0623	14	0.6	-	-	38*S	-	-	TON
3-90-009-89	Industrial Processes In-process Fuel Use Wood General	1.4	0.68	4	-	-	0.15	-	-	TON
3-90-010-89	Industrial Processes In-process Fuel Use Liquified Petroleum Gas General	0.5	14	1.9	-	-	0.02*S	-	-	E3GAL
3-90-013-89	Industrial Processes In-process Fuel Use Liquid Waste General	1	20	5	-	-	147*S	-	1.68	E3GAL
3-99-900-01	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-99-900-02	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-99-900-03	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-99-900-04	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Process Gas: Process Heaters	2.8	140	-	-	-	9.5E2*S	-	-	E6FT3
3-99-900-11	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-99-900-12	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-99-900-13	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-14	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-23	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-99-900-24	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-01-001-01	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Perchloroethylene	550	-	-	-	-	-	-	-	TON
4-01-001-02	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Stoddard (Petroleum Solvent) (Use 4-10-001-01 or 4-10-002-01)	560	-	-	-	-	-	-	-	TON
4-01-001-03	Petroleum and Solvent Evaporation Organic Solvent Evaporation Dry Cleaning Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-001-04	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Stoddard (Petroleum Solvent) (Use 4-10-001-02 or 4-10-002-02)	2000	-	-	-	-	-	-	-	TON
4-01-001-05	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Trichlorotrifluoroethane (Freon)	2000	-	-	-	-	-	-	-	TON
4-01-002-01	Chemical Evaporation Organic Solvent Evaporation Degreasing Stoddard (Petroleum Solvent): Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-03	Chemical Evaporation Organic Solvent Evaporation Degreasing Perchloroethylene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-04	Chemical Evaporation Organic Solvent Evaporation Degreasing Methylene Chloride: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-05	Chemical Evaporation Organic Solvent Evaporation Degreasing Trichloroethylene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-002-06	Chemical Evaporation Organic Solvent Evaporation Degreasing Toluene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-08	Chemical Evaporation Organic Solvent Evaporation Degreasing Chlorosolve: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-09	Chemical Evaporation Organic Solvent Evaporation Degreasing Butyl Acetate: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-15	Chemical Evaporation Organic Solvent Evaporation Degreasing Entire Unit: Open-top Vapor Degreasing	21000	-	-	-	-	-	-	-	TON
4-01-002-16	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Degreaser: Entire Unit	150	-	-	-	-	-	-	-	E3FT2
4-01-002-17	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Entire Unit	0.15	-	-	-	-	-	-	-	FT2
4-01-002-21	Chemical Evaporation Organic Solvent Evaporation Degreasing Stoddard (Petroleum Solvent): Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-22	Chemical Evaporation Organic Solvent Evaporation Degreasing 1,1,1-Trichloroethane (Methyl Chloroform):Conveyorized Vapor Degreaser	1030	-	-	-	-	-	-	-	TON
4-01-002-23	Chemical Evaporation Organic Solvent Evaporation Degreasing Perchloroethylene: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-24	Chemical Evaporation Organic Solvent Evaporation Degreasing Methylene Chloride: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-002-25	Chemical Evaporation Organic Solvent Evaporation Degreasing Trichloroethylene: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-27	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing CONV VAPOR DEG: FREON 113	2000	-	-	-	-	-	-	-	TON
4-01-002-35	Chemical Evaporation Organic Solvent Evaporation Degreasing Entire Unit: with Vaporized Solvent: Conveyorized Vapor Degreasing	52000	-	-	-	-	-	-	-	EACH
4-01-002-36	Chemical Evaporation Organic Solvent Evaporation Degreasing Entire Unit: with Non-boiling Solvent: Conveyorized Vapor Degreasing	104000	-	-	-	-	-	-	-	EACH
4-01-002-52	Chemical Evaporation Organic Solvent Evaporation Degreasing 1,1,1-Trichloroethane (Methyl Chloroform): General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-54	Chemical Evaporation Organic Solvent Evaporation Degreasing Methylene Chloride: General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-57	Chemical Evaporation Organic Solvent Evaporation Degreasing Trichlorotrifluoroethane (Freon): General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-95	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: General Degreasing Units	2000	-	-	-	-	-	-	-	GAL
4-01-002-96	Chemical Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: General Degreasing Units	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-002-97	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-98	Chemical Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-99	Chemical Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-003-01	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Methanol	2000	-	-	-	-	-	-	-	TON
4-01-003-02	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Methylene Chloride	2000	-	-	-	-	-	-	-	TON
4-01-003-03	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Stoddard (Petroleum Solvent)	2000	-	-	-	-	-	-	-	TON
4-01-003-04	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-003-05	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping 1,1,1-Trichloroethane (Methyl Chloroform)	2000	-	-	-	-	-	-	-	TON
4-01-003-06	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-003-07	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-003-08	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-01-003-09	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Freon	2000	-	-	-	-	-	-	-	TON
4-01-003-10	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Acetone	2000	-	-	-	-	-	-	-	TON
4-01-003-35	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Entire Unit	660	-	-	-	-	-	-	-	EACH
4-01-003-36	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Degreaser: Entire Unit	80	-	-	-	-	-	-	-	E3FT2
4-01-003-99	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-01-004-01	Chemical Evaporation Organic Solvent Evaporation Knit Fabric Scouring with Chlorinated Solvent Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-004-99	Chemical Evaporation Organic Solvent Evaporation Knit Fabric Scouring with Chlorinated Solvent Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-001-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Paint: Solvent-base	1120	-	-	-	-	-	-	-	TON
4-02-001-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Paint: Solvent-base	5.6	-	-	-	-	-	-	-	GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-002-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Paint: Water-base	246	-	-	-	-	-	-	-	TON
4-02-002-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Paint: Water-base	1.3	-	-	-	-	-	-	-	GAL
4-02-003-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Varnish/Shellac	1000	-	-	-	-	-	-	-	TON
4-02-003-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Varnish/Shellac	3.3	-	-	-	-	-	-	-	GAL
4-02-004-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Lacquer	1540	-	-	-	-	-	-	-	TON
4-02-004-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Lacquer	6.1	-	-	-	-	-	-	-	GAL
4-02-005-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Enamel	840	-	-	-	-	-	-	-	TON
4-02-005-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Enamel	3.5	-	-	-	-	-	-	-	GAL
4-02-006-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Primer	1320	-	-	-	-	-	-	-	TON
4-02-006-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Primer	6.6	-	-	-	-	-	-	-	GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-007-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Adhesive Application	1270	-	-	-	-	-	-	-	TON
4-02-007-06	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Adhesive: Solvent Mixing	200	-	-	-	-	-	-	-	TON
4-02-007-10	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Adhesive: General	4.4	-	-	-	-	-	-	-	GAL
4-02-008-01	Chemical Evaporation Surface Coating Operations Coating Oven - General General	800	54	-	-	-	5	-	-	TON
4-02-009-01	Chemical Evaporation Surface Coating Operations Thinning Solvents - General General	2000	-	-	-	-	-	-	-	TON
4-02-009-02	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Acetone	2000	-	-	-	-	-	-	-	TON
4-02-009-03	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Butyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-04	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Butyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-05	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Carbitol	2000	-	-	-	-	-	-	-	TON
4-02-009-06	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Cellosolve	2000	-	-	-	-	-	-	-	TON
4-02-009-07	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Cellosolve Acetate	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-009-08	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Dimethyl Formamide	2000	-	-	-	-	-	-	-	TON
4-02-009-09	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Ethyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-10	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Ethyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-11	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Gasoline	2000	-	-	-	-	-	-	-	TON
4-02-009-12	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-13	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Isopropyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-14	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Kerosene	2000	-	-	-	-	-	-	-	TON
4-02-009-15	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Lactol Spirits	2000	-	-	-	-	-	-	-	TON
4-02-009-16	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-17	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-18	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-009-19	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-02-009-20	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Mineral Spirits	2000	-	-	-	-	-	-	-	TON
4-02-009-21	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Naphtha	2000	-	-	-	-	-	-	-	TON
4-02-009-22	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Toluene	2000	-	-	-	-	-	-	-	TON
4-02-009-23	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Varsol	2000	-	-	-	-	-	-	-	TON
4-02-009-24	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Xylene	2000	-	-	-	-	-	-	-	TON
4-02-009-25	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Benzene	2000	-	-	-	-	-	-	-	TON
4-02-009-26	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Turpentine	2000	-	-	-	-	-	-	-	TON
4-02-009-27	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Hexylene Glycol	2000	-	-	-	-	-	-	-	TON
4-02-009-28	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Ethylene Oxide	2000	-	-	-	-	-	-	-	TON
4-02-009-29	Chemical Evaporation Surface Coating Operations Thinning Solvents - General 1,1,1-Trichloroethane (Methyl Chloroform)	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-009-30	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methylene Chloride	2000	-	-	-	-	-	-	-	TON
4-02-009-31	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-02-009-98	Petroleum and Solvent Evaporation Surface Coating Operations Thinning Solvents - General General: Specify in Comments	2000	-	-	-	-	-	-	-	GAL
4-02-010-01	Chemical Evaporation Surface Coating Operations Coating Oven Heater Natural Gas	-	-	-	-	-	0.6	-	-	E6FT3
4-02-010-02	Chemical Evaporation Surface Coating Operations Coating Oven Heater Distillate Oil	-	-	-	-	-	1.4365E2*S	-	-	E3GAL
4-02-010-03	Chemical Evaporation Surface Coating Operations Coating Oven Heater Residual Oil	-	-	-	-	-	1.586E2*S	-	-	E3GAL
4-02-010-04	Chemical Evaporation Surface Coating Operations Coating Oven Heater Liquified Petroleum Gas (LPG)	-	-	-	-	-	9.0E-2*S	-	-	E3GAL
4-02-011-01	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Coating Operation (Also See Specific Coating Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-03	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Coating Mixing (Also See Specific Coating Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-05	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Equipment Cleanup:Fabric Coating(Also Spec Coat Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-011-11	Petroleum and Solvent Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Roller (Also See New Codes Under 4-02-040-XX)	284	-	-	-	-	-	-	-	TON
4-02-011-12	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Roller (Also See New Codes Under 4-02-040-XX)	278000	-	-	-	-	-	-	-	EACH
4-02-011-13	Petroleum and Solvent Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Rotary Screen (Also See New Codes Under 4-02-040-XX)	46	-	-	-	-	-	-	-	TON
4-02-011-14	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Rotary Screen (Also See New Codes Under 4-02-040-XX)	62000	-	-	-	-	-	-	-	EACH
4-02-011-15	Petroleum and Solvent Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Flat Screen (Also See New Codes Under 4-02-040-XX)	158	-	-	-	-	-	-	-	TON
4-02-011-16	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Flat Screen (Also See New Codes Under 4-02-040-XX)	62000	-	-	-	-	-	-	-	EACH
4-02-011-99	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Other Not Classified (Also See New Codes Under 4-02-040-XX)	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-012-01	Chemical Evaporation Surface Coating Operations Fabric Dyeing Dye Application: General (Also See New Codes Under 4-02-060-XX)	2000	-	-	-	-	-	-	-	TON
4-02-013-01	Chemical Evaporation Surface Coating Operations Paper Coating Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-013-03	Chemical Evaporation Surface Coating Operations Paper Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-013-05	Chemical Evaporation Surface Coating Operations Paper Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-013-99	Chemical Evaporation Surface Coating Operations Paper Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-014-01	Chemical Evaporation Surface Coating Operations Large Appliances Prime Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-014-03	Chemical Evaporation Surface Coating Operations Large Appliances Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-014-05	Chemical Evaporation Surface Coating Operations Large Appliances Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-014-06	Chemical Evaporation Surface Coating Operations Large Appliances Topcoat Spray	2000	-	-	-	-	-	-	-	TON
4-02-014-31	Chemical Evaporation Surface Coating Operations Large Appliances Coating Line: General	0.9	-	-	-	-	-	-	-	EACH
4-02-014-32	Chemical Evaporation Surface Coating Operations Large Appliances Prime Air Spray	3.1	-	-	-	-	-	-	-	E3FT2
4-02-014-33	Chemical Evaporation Surface Coating Operations Large Appliances Prime Electrostatic Spray	1.79	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-014-34	Chemical Evaporation Surface Coating Operations Large Appliances Prime Flow Coat	1.65	-	-	-	-	-	-	-	E3FT2
4-02-014-35	Chemical Evaporation Surface Coating Operations Large Appliances Prime Dip Coat	1.65	-	-	-	-	-	-	-	E3FT2
4-02-014-36	Chemical Evaporation Surface Coating Operations Large Appliances Prime Electro-deposition	1.5	-	-	-	-	-	-	-	E3FT2
4-02-014-37	Chemical Evaporation Surface Coating Operations Large Appliances Top Air Spray	6.3	-	-	-	-	-	-	-	E3FT2
4-02-014-38	Chemical Evaporation Surface Coating Operations Large Appliances Top Electrostatic Spray	3.2	-	-	-	-	-	-	-	E3FT2
4-02-014-99	Chemical Evaporation Surface Coating Operations Large Appliances Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-015-01	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Coating/Application/Curing	2000	-	-	-	-	-	-	-	TON
4-02-015-02	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-015-03	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-015-05	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-015-31	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Coating Line: General	186000	-	-	-	-	-	-	-	EACH
4-02-015-99	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-016-01	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Application/Electo-deposition/Dip/Spray	2000	-	-	-	-	-	-	-	TON
4-02-016-03	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-016-05	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-016-06	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat Operation	2000	-	-	-	-	-	-	-	TON
4-02-016-19	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Surfacing Operation	2000	-	-	-	-	-	-	-	TON
4-02-016-20	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Repair Topcoat Application Area	2000	-	-	-	-	-	-	-	TON
4-02-016-21	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Solvent-borne - Automobiles	14.5	-	-	-	-	-	-	-	EACH
4-02-016-22	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Electro-deposition - Automobiles	0.45	-	-	-	-	-	-	-	EACH
4-02-016-23	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Solvent-borne - Automobiles	4.16	-	-	-	-	-	-	-	EACH
4-02-016-24	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Water-borne - Automobiles	1.5	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-016-25	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Solvent-borne - Automobiles	27.3	-	-	-	-	-	-	-	EACH
4-02-016-26	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Water-borne - Automobiles	4.95	-	-	-	-	-	-	-	EACH
4-02-016-27	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Solvent-borne - Light Trucks	42.4	-	-	-	-	-	-	-	EACH
4-02-016-28	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Electro-deposition - Light Trucks	0.58	-	-	-	-	-	-	-	EACH
4-02-016-29	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Solvent-borne - Light Trucks	14	-	-	-	-	-	-	-	EACH
4-02-016-30	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Water-borne - Light Trucks	5.06	-	-	-	-	-	-	-	EACH
4-02-016-31	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Solvent-borne - Light Trucks	40.3	-	-	-	-	-	-	-	EACH
4-02-016-32	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Water-borne - Light Trucks	15.5	-	-	-	-	-	-	-	EACH
4-02-016-99	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-017-02	Chemical Evaporation Surface Coating Operations Metal Can Coating Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-017-03	Chemical Evaporation Surface Coating Operations Metal Can Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-017-05	Chemical Evaporation Surface Coating Operations Metal Can Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-017-21	Chemical Evaporation Surface Coating Operations Metal Can Coating Two Piece Exterior Base Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-22	Chemical Evaporation Surface Coating Operations Metal Can Coating Interior Spray Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-23	Chemical Evaporation Surface Coating Operations Metal Can Coating Sheet Base Coating (Interior)	2000	-	-	-	-	-	-	-	TON
4-02-017-24	Chemical Evaporation Surface Coating Operations Metal Can Coating Sheet Base Coating (Exterior)	2000	-	-	-	-	-	-	-	TON
4-02-017-25	Chemical Evaporation Surface Coating Operations Metal Can Coating Side Seam Spray Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-26	Chemical Evaporation Surface Coating Operations Metal Can Coating End Sealing Compound (Also See 4-02-017-36 & -37)	2000	-	-	-	-	-	-	-	TON
4-02-017-27	Chemical Evaporation Surface Coating Operations Metal Can Coating Lithography	2000	-	-	-	-	-	-	-	TON
4-02-017-28	Chemical Evaporation Surface Coating Operations Metal Can Coating Over Varnish	2000	-	-	-	-	-	-	-	TON
4-02-017-31	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can Sheet Base Coating	352000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-017-32	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can Sheet Lithographic Coating Line	110000	-	-	-	-	-	-	-	EACH
4-02-017-33	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can-side Seam Spray Coating	40000	-	-	-	-	-	-	-	EACH
4-02-017-34	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can Interior Body Spray Coat	176000	-	-	-	-	-	-	-	EACH
4-02-017-35	Chemical Evaporation Surface Coating Operations Metal Can Coating Two-piece Can Coating Line	574000	-	-	-	-	-	-	-	EACH
4-02-017-36	Chemical Evaporation Surface Coating Operations Metal Can Coating Two-piece Can End Sealing Compound	30000	-	-	-	-	-	-	-	EACH
4-02-017-99	Chemical Evaporation Surface Coating Operations Metal Can Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-018-01	Chemical Evaporation Surface Coating Operations Metal Coil Coating Prime Coating Application	2000	-	-	-	-	-	-	-	TON
4-02-018-03	Chemical Evaporation Surface Coating Operations Metal Coil Coating Solvent Mixing	2000	-	-	-	-	-	-	-	TON
4-02-018-05	Chemical Evaporation Surface Coating Operations Metal Coil Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-018-06	Chemical Evaporation Surface Coating Operations Metal Coil Coating Finish Coating	2000	-	-	-	-	-	-	-	TON
4-02-018-99	Chemical Evaporation Surface Coating Operations Metal Coil Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-019-01	Chemical Evaporation Surface Coating Operations Wood Furniture Surface Coating Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-019-03	Chemical Evaporation Surface Coating Operations Wood Furniture Surface Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-019-99	Chemical Evaporation Surface Coating Operations Wood Furniture Surface Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-020-01	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-020-02	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-020-03	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-020-04	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Coating Storage	2000	-	-	-	-	-	-	-	TON
4-02-020-05	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-020-31	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Single Spray Line: General	22.9	-	-	-	-	-	-	-	E3FT2
4-02-020-32	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Spray Dip Line: General (Use 4-02-020-37)	15.3	-	-	-	-	-	-	-	E3FT2
4-02-020-33	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Spray High Solids Coating (Use 4-02-020-35)	6.8	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-020-34	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Spray Water-borne Coating (Use 4-02-020-36)	4.3	-	-	-	-	-	-	-	E3FT2
4-02-020-99	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-021-01	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Base Coat	2000	-	-	-	-	-	-	-	TON
4-02-021-03	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-021-05	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-021-06	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Topcoat	2000	-	-	-	-	-	-	-	TON
4-02-021-07	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Filler	2000	-	-	-	-	-	-	-	TON
4-02-021-08	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Sealer	2000	-	-	-	-	-	-	-	TON
4-02-021-09	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Inks	2000	-	-	-	-	-	-	-	TON
4-02-021-31	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Water-borne Coating	2.5	-	-	-	-	-	-	-	E3FT2
4-02-021-32	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Solvent-borne Coating	16.5	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-021-33	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Ultraviolet Coating	0.8	-	-	-	-	-	-	-	E3FT2
4-02-021-99	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Other Not Elsewhere Classified	2000	-	-	-	-	-	-	-	TON
4-02-022-01	Chemical Evaporation Surface Coating Operations Plastic Parts Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-022-02	Chemical Evaporation Surface Coating Operations Plastic Parts Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-022-03	Chemical Evaporation Surface Coating Operations Plastic Parts Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-022-05	Chemical Evaporation Surface Coating Operations Plastic Parts Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-022-99	Chemical Evaporation Surface Coating Operations Plastic Parts Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-023-01	Chemical Evaporation Surface Coating Operations Large Ships Prime Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-023-02	Chemical Evaporation Surface Coating Operations Large Ships Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-023-03	Chemical Evaporation Surface Coating Operations Large Ships Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-023-05	Chemical Evaporation Surface Coating Operations Large Ships Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-023-06	Chemical Evaporation Surface Coating Operations Large Ships Topcoat Operation	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-023-99	Chemical Evaporation Surface Coating Operations Large Ships Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-024-02	Chemical Evaporation Surface Coating Operations Aerospace Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-025-01	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-025-02	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-025-03	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-025-05	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-025-31	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Single Flow	15.3	-	-	-	-	-	-	-	E3FT2
4-02-025-32	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Single Dip	15.3	-	-	-	-	-	-	-	E3FT2
4-02-025-33	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Single Spray	27.5	-	-	-	-	-	-	-	E3FT2
4-02-025-34	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Two Coat, Flow and Spray	42.8	-	-	-	-	-	-	-	E3FT2
4-02-025-35	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Two Coat, Dip and Spray	42.8	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-025-36	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Two Coat, Spray	55	-	-	-	-	-	-	-	E3FT2
4-02-025-37	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Manual Two Coat, Spray and Air Dry	54.8	-	-	-	-	-	-	-	E3FT2
4-02-025-99	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-026-01	Chemical Evaporation Surface Coating Operations Steel Drums Coating Operation	4.3	-	-	-	-	-	-	-	GAL
4-02-026-03	Chemical Evaporation Surface Coating Operations Steel Drums Coating Mixing	0.5	-	-	-	-	-	-	-	GAL
4-02-026-05	Chemical Evaporation Surface Coating Operations Steel Drums Equipment Cleanup	0.5	-	-	-	-	-	-	-	GAL
4-02-026-06	Chemical Evaporation Surface Coating Operations Steel Drums Interior Coating	2.2	-	-	-	-	-	-	-	GAL
4-02-026-07	Chemical Evaporation Surface Coating Operations Steel Drums Exterior Coating	2.2	-	-	-	-	-	-	-	GAL
4-02-900-23	Chemical Evaporation Surface Coating Operations Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-02-999-96	Petroleum and Solvent Evaporation Surface Coating Operations Miscellaneous Specify in Comments Field	2000	-	-	-	-	-	-	-	TON
4-03-001-01	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Gasoline	30.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-001-02	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Crude	23.4	-	-	-	-	-	-	-	E3GAL
4-03-001-03	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Gasoline	16.5	-	-	-	-	-	-	-	E3GAL
4-03-001-04	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Crude	2.47	-	-	-	-	-	-	-	E3GAL
4-03-001-05	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Jet Fuel	8.8	-	-	-	-	-	-	-	E3GAL
4-03-001-06	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Kerosene	0.45	-	-	-	-	-	-	-	E3GAL
4-03-001-07	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Dist Fuel	0.39	-	-	-	-	-	-	-	E3GAL
4-03-001-50	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Jet Fuel	2.5	-	-	-	-	-	-	-	E3GAL
4-03-001-51	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Kerosene	0.03	-	-	-	-	-	-	-	E3GAL
4-03-001-52	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Dist Fuel	0.02	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-002-01	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Gasoline	13.4	-	-	-	-	-	-	-	E3GAL
4-03-002-03	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Crude	1.76	-	-	-	-	-	-	-	E3GAL
4-03-002-05	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Jet Fuel	3.5	-	-	-	-	-	-	-	E3GAL
4-03-002-07	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Dist Fuel	0.02	-	-	-	-	-	-	-	E3GAL
4-03-003-02	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Gasoline	7.7	-	-	-	-	-	-	-	E3GAL
4-03-010-01	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 13: Breathing Loss: 67000 Bbl. Size	30.5	-	-	-	-	-	-	-	E3GAL
4-03-010-02	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 10: Breathing Loss: 67000 Bbl. Size	23.4	-	-	-	-	-	-	-	E3GAL
4-03-010-03	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 7: Breathing Loss: 67000 Bbl. Size	16.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-010-04	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 13: Breathing Loss: 250000 Bbl. Size	22	-	-	-	-	-	-	-	E3GAL
4-03-010-05	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 10: Breathing Loss: 250000 Bbl. Size	16.9	-	-	-	-	-	-	-	E3GAL
4-03-010-06	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 7: Breathing Loss: 250000 Bbl. Size	11.9	-	-	-	-	-	-	-	E3GAL
4-03-010-07	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 13: Working Loss	10	-	-	-	-	-	-	-	E3GAL
4-03-010-08	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 10: Working Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-03-010-09	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 7: Working Loss	5.7	-	-	-	-	-	-	-	E3GAL
4-03-010-10	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Crude Oil RVP 5: Breathing Loss: 67000 Bbl. Size	6.5	-	-	-	-	-	-	-	E3GAL
4-03-010-11	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Crude Oil RVP 5: Breathing Loss: 250000 Bbl. Size	4.69	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-010-12	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Crude Oil RVP 5: Working Loss	2.8	-	-	-	-	-	-	-	E3GAL
4-03-010-13	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Breathing Loss: 67000 Bbl. Size	8.8	-	-	-	-	-	-	-	E3GAL
4-03-010-14	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Breathing Loss: 250000 Bbl. Size	6.3	-	-	-	-	-	-	-	E3GAL
4-03-010-15	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Working Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-03-010-16	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss: 67000 Bbl. Size	0.44	-	-	-	-	-	-	-	E3GAL
4-03-010-17	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss: 250000 Bbl. Size	0.3	-	-	-	-	-	-	-	E3GAL
4-03-010-18	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Working Loss	0.03	-	-	-	-	-	-	-	E3GAL
4-03-010-19	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss: 67000 Bbl. Size	0.4	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-010-20	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss: 250000 Bbl. Size	0.29	-	-	-	-	-	-	-	E3GAL
4-03-010-21	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Working Loss	0.02	-	-	-	-	-	-	-	E3GAL
4-03-010-99	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Other Product: Working Loss	0.4	-	-	-	-	-	-	-	E3GAL
4-03-011-11	Chemical Evaporation Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Breathing Loss: 67000 Bbl. Size	3.5	-	-	-	-	-	-	-	E3GAL
4-03-011-13	Chemical Evaporation Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss: 67000 Bbl. Size	0.04	-	-	-	-	-	-	-	E3GAL
4-03-011-15	Chemical Evaporation Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss: 67000 Bbl. Size	0.03	-	-	-	-	-	-	-	E3GAL
4-03-012-01	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Gasoline RVP 13: Filling Loss	9.6	-	-	-	-	-	-	-	E3GAL
4-03-012-02	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Gasoline RVP 10: Filling Loss	7.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-012-03	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Gasoline RVP 7: Filling Loss	5.4	-	-	-	-	-	-	-	E3GAL
4-03-012-04	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Jet Naphtha (JP-4): Filling Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-03-012-05	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Jet Kerosene: Filling Loss	0.025	-	-	-	-	-	-	-	E3GAL
4-03-012-06	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Distillate Fuel #2: Filling Loss	0.022	-	-	-	-	-	-	-	E3GAL
4-03-012-07	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Benzene: Filling Loss	2.1	-	-	-	-	-	-	-	E3GAL
4-04-001-01	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	30.5	-	-	-	-	-	-	-	E3GAL
4-04-001-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	23.4	-	-	-	-	-	-	-	E3GAL
4-04-001-03	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (67000 Bbl. Capacity) - Fixed Roof Tank	16.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-04	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (250000 Bbl Capacity)-Fixed Roof Tank	22	-	-	-	-	-	-	-	E3GAL
4-04-001-05	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (250000 Bbl Capacity)-Fixed Roof Tank	16.9	-	-	-	-	-	-	-	E3GAL
4-04-001-06	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (250000 Bbl Capacity) - Fixed Roof Tank	11.9	-	-	-	-	-	-	-	E3GAL
4-04-001-07	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Working Loss (Diam. Independent) - Fixed Roof Tank	10	-	-	-	-	-	-	-	E3GAL
4-04-001-08	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Working Loss (Diameter Independent) - Fixed Roof Tank	8.2	-	-	-	-	-	-	-	E3GAL
4-04-001-09	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Working Loss (Diameter Independent) - Fixed Roof Tank	5.7	-	-	-	-	-	-	-	E3GAL
4-04-001-10	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity)-Floating Roof Tank	18.2	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-11	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity)-Floating Roof Tank	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-12	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (67000 Bbl Capacity)- Floating Roof Tank	8.6	-	-	-	-	-	-	-	E3GAL
4-04-001-13	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (250000 Bbl Cap.) - Floating Roof Tank	8.9	-	-	-	-	-	-	-	E3GAL
4-04-001-14	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (250000 Bbl Cap.) - Floating Roof Tank	6.5	-	-	-	-	-	-	-	E3GAL
4-04-001-15	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (250000 Bbl Cap.) - Floating Roof Tank	4.2	-	-	-	-	-	-	-	E3GAL
4-04-001-16	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13/10/7: Working Loss (67000 Bbl Cap.) - Float Rf Tnk	0.01	-	-	-	-	-	-	-	E3GAL
4-04-001-17	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13/10/7: Working Loss (250000 Bbl Cap.) - Float Rf Tnk	0.01	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-18	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	9.6	-	-	-	-	-	-	-	E3GAL
4-04-001-19	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	7.7	-	-	-	-	-	-	-	E3GAL
4-04-001-20	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	5.4	-	-	-	-	-	-	-	E3GAL
4-04-001-31	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Ext. Floating Roof w/ Primary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-32	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Ext. Floating Roof w/ Primary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-41	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Ext. Floating Roof w/ Secondary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-42	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Ext. Floating Roof w/ Secondary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-52	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Vapor Collection Losses	5.2	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-53	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Vapor Control Unit Losses	5	-	-	-	-	-	-	-	E3GAL
4-04-001-61	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Int. Floating Roof w/ Primary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-62	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Int. Floating Roof w/ Primary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-71	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Int. Floating Roof w/ Secondary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-72	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Int. Floating Roof w/ Secondary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-002-01	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	30.5	-	-	-	-	-	-	-	E3GAL
4-04-002-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	23.4	-	-	-	-	-	-	-	E3GAL
4-04-002-03	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 7: Breathing Loss (67000 Bbl. Capacity) - Fixed Roof Tank	16.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-002-04	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 13: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	10	-	-	-	-	-	-	-	E3GAL
4-04-002-05	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 10: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	8.2	-	-	-	-	-	-	-	E3GAL
4-04-002-06	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 7: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	5.7	-	-	-	-	-	-	-	E3GAL
4-04-002-11	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 13: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	9.6	-	-	-	-	-	-	-	E3GAL
4-04-002-12	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 10: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	7.7	-	-	-	-	-	-	-	E3GAL
4-04-002-13	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 7: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	5.4	-	-	-	-	-	-	-	E3GAL
4-04-002-50	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Loading Racks	4.8	-	-	-	-	-	-	-	E3GAL
4-04-003-01	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Oil and Gas Field Storage and Working Tanks Fixed Roof Tank: Breathing Loss	36	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-003-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Oil and Gas Field Storage and Working Tanks Fixed Roof Tank: Working Loss	1.1	-	-	-	-	-	-	-	E3GAL
4-04-004-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Gasoline RVP 13: Working Loss	14.9	-	-	-	-	-	-	-	E3GAL
4-04-004-04	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Gasoline RVP 10: Working Loss	11.9	-	-	-	-	-	-	-	E3GAL
4-04-004-06	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Gasoline RVP 7: Working Loss	8.3	-	-	-	-	-	-	-	E3GAL
4-04-004-08	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Crude Oil RVP 5: Working Loss	4.9	-	-	-	-	-	-	-	E3GAL
4-04-004-10	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Jet Naphtha (JP-4): Working Loss	3.6	-	-	-	-	-	-	-	E3GAL
4-04-004-12	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Jet Kerosene: Working Loss	0.04	-	-	-	-	-	-	-	E3GAL
4-04-004-14	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Distillate Fuel #2: Working Loss	0.03	-	-	-	-	-	-	-	E3GAL
4-05-001-01	Chemical Evaporation Printing/Publishing Drying Dryer	2000	57	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-05-002-01	Chemical Evaporation Printing/Publishing Letterpress Printing	238	-	-	-	-	-	-	-	TON
4-05-002-02	Chemical Evaporation Printing/Publishing Letterpress Ink Thinning Solvent, Kerosene	2000	-	-	-	-	-	-	-	TON
4-05-002-03	Chemical Evaporation Printing/Publishing Letterpress Ink Thinning Solvents, Mineral Solvents	2000	-	-	-	-	-	-	-	TON
4-05-002-11	Petroleum and Solvent Evaporation Printing/Publishing Letterpress Letterpress: 2751	1200	-	-	-	-	-	-	-	TON
4-05-002-12	Petroleum and Solvent Evaporation Printing/Publishing Letterpress Printing: Letterpress	1.5	-	-	-	-	-	-	-	GAL
4-05-003-01	Chemical Evaporation Printing/Publishing Flexographic Printing	711	-	-	-	-	-	-	-	TON
4-05-003-02	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Carbitol	2000	-	-	-	-	-	-	-	TON
4-05-003-03	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Cellosolve	2000	-	-	-	-	-	-	-	TON
4-05-003-04	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Ethyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-05-003-05	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-05-003-06	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, n-Propyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-05-003-07	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Naphtha	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-05-003-11	Petroleum and Solvent Evaporation Printing/Publishing Flexographic Printing: Flexographic	1910	-	-	-	-	-	-	-	TON
4-05-003-12	Petroleum and Solvent Evaporation Printing/Publishing Flexographic Printing: Flexographic	4.4	-	-	-	-	-	-	-	GAL
4-05-003-14	Chemical Evaporation Printing/Publishing Flexographic Propyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-004-01	Chemical Evaporation Printing/Publishing Lithographic Printing	198	-	-	-	-	-	-	-	TON
4-05-004-11	Petroleum and Solvent Evaporation Printing/Publishing Lithographic Lithographic: 2752	1000	-	-	-	-	-	-	-	TON
4-05-004-12	Petroleum and Solvent Evaporation Printing/Publishing Lithographic Lithographic: 2752	1.24	-	-	-	-	-	-	-	GAL
4-05-004-13	Chemical Evaporation Printing/Publishing Lithographic Isopropyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-004-14	Petroleum and Solvent Evaporation Printing/Publishing General Flexographic: Propyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-005-01	Petroleum and Solvent Evaporation Printing/Publishing Gravure Gravure: 2754	711	-	-	-	-	-	-	-	TON
4-05-005-02	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Dimethylformamide	2000	-	-	-	-	-	-	-	TON
4-05-005-03	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Ethyl Acetate	2000	-	-	-	-	-	-	-	TON
4-05-005-06	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-05-005-07	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-05-005-10	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Toluene	2000	-	-	-	-	-	-	-	TON
4-05-005-11	Chemical Evaporation Printing/Publishing Gravure Printing	1910	-	-	-	-	-	-	-	TON
4-05-005-12	Petroleum and Solvent Evaporation Printing/Publishing Gravure Gravure: 2754	4.4	-	-	-	-	-	-	-	GAL
4-05-005-13	Petroleum and Solvent Evaporation Printing/Publishing Gravure Gravure: 2754	12.4	-	-	-	-	-	-	-	GAL
4-05-005-14	Chemical Evaporation Printing/Publishing Gravure Cleanup Solvent	2000	-	-	-	-	-	-	-	TON
4-05-005-99	Chemical Evaporation Printing/Publishing Printing Ink Thinning Solvent	2000	-	-	-	-	-	-	-	TON
4-05-006-01	Chemical Evaporation Printing/Publishing Printing Ink Mixing	2000	-	-	-	-	-	-	-	TON
4-05-007-01	Chemical Evaporation Printing/Publishing Printing Solvent Storage	2000	-	-	-	-	-	-	-	TON
4-06-001-01	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Splash Loading	12.4	-	-	-	-	-	-	-	E3GAL
4-06-001-26	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading	4.1	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-30	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Submerged Loading	0.48	-	-	-	-	-	-	-	E3GAL
4-06-001-31	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading: Normal Service	5	-	-	-	-	-	-	-	E3GAL
4-06-001-32	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Submerged Loading: Normal Service	2	-	-	-	-	-	-	-	E3GAL
4-06-001-33	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Submerged Loading: Normal Service	1.5	-	-	-	-	-	-	-	E3GAL
4-06-001-34	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Kerosene: Submerged Loading: Normal Service	0.16	-	-	-	-	-	-	-	E3GAL
4-06-001-35	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Submerged Loading: Normal Service	0.014	-	-	-	-	-	-	-	E3GAL
4-06-001-36	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Splash Loading: Normal Service	12	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-37	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Splash Loading: Normal Service	5.5	-	-	-	-	-	-	-	E3GAL
4-06-001-38	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Splash Loading: Normal Service	4	-	-	-	-	-	-	-	E3GAL
4-06-001-39	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Kerosene: Splash Loading: Normal Service	0.04	-	-	-	-	-	-	-	E3GAL
4-06-001-40	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Splash Loading: Normal Service	0.03	-	-	-	-	-	-	-	E3GAL
4-06-001-41	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading: Balanced Service	8	-	-	-	-	-	-	-	E3GAL
4-06-001-42	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Submerged Loading: Balanced Service	3	-	-	-	-	-	-	-	E3GAL
4-06-001-43	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Submerged Loading: Balanced Service	2.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-44	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Splash Loading: Balanced Service	8	-	-	-	-	-	-	-	E3GAL
4-06-001-45	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Splash Loading: Balanced Service	3	-	-	-	-	-	-	-	E3GAL
4-06-001-46	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Splash Loading: Balanced Service	2.5	-	-	-	-	-	-	-	E3GAL
4-06-001-47	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading: Clean Tanks	4	-	-	-	-	-	-	-	E3GAL
4-06-001-48	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Submerged Loading: Clean Tanks	1.7	-	-	-	-	-	-	-	E3GAL
4-06-001-49	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Submerged Loading: Clean Tanks	1.5	-	-	-	-	-	-	-	E3GAL
4-06-001-60	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Kerosene: Submerged Loading: Clean Tanks	0.017	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-61	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Submerged Loading: Clean Tanks	0.013	-	-	-	-	-	-	-	E3GAL
4-06-001-62	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Loaded with Fuel: Transit Losses	0.01	-	-	-	-	-	-	-	E3GAL
4-06-001-63	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Return with Vapor: Transit Losses	0.11	-	-	-	-	-	-	-	E3GAL
4-06-002-31	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers: Cleaned and Vapor Free Tanks	0.7	-	-	-	-	-	-	-	E3GAL
4-06-002-32	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers	0.7	-	-	-	-	-	-	-	E3GAL
4-06-002-34	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers: Ballasted Tank	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-35	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Ocean Barges Loading - Ballasted Tank	1.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-002-36	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers: Uncleaned Tanks	2.6	-	-	-	-	-	-	-	E3GAL
4-06-002-37	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Ocean Barges Loading - Uncleaned Tanks	2.6	-	-	-	-	-	-	-	E3GAL
4-06-002-38	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Barges: Uncleaned Tanks	3.9	-	-	-	-	-	-	-	E3GAL
4-06-002-39	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Tankers: Ballasted Tank	0.8	-	-	-	-	-	-	-	E3GAL
4-06-002-40	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Barges: Average Tank Condition	3.4	-	-	-	-	-	-	-	E3GAL
4-06-002-41	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Tanker Ballasting	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-42	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Transit Loss	140	-	-	-	-	-	-	-	E3GAL
4-06-002-43	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Loading Tankers	0.61	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-002-44	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Jet Fuel: Loading Tankers	0.5	-	-	-	-	-	-	-	E3GAL
4-06-002-45	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Kerosene: Loading Tankers	0.005	-	-	-	-	-	-	-	E3GAL
4-06-002-46	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Distillate Oil: Loading Tankers	0.005	-	-	-	-	-	-	-	E3GAL
4-06-002-48	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Loading Barges	1	-	-	-	-	-	-	-	E3GAL
4-06-002-49	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Jet Fuel: Loading Barges	1.2	-	-	-	-	-	-	-	E3GAL
4-06-002-50	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Kerosene: Loading Barges	0.013	-	-	-	-	-	-	-	E3GAL
4-06-002-51	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Distillate Oil: Loading Barges	0.012	-	-	-	-	-	-	-	E3GAL
4-06-002-53	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Tanker Ballasting	1.1	-	-	-	-	-	-	-	E3GAL
4-06-002-54	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Transit Loss	69.6	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-002-55	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Jet Fuel: Transit Loss	57	-	-	-	-	-	-	-	E3GAL
4-06-002-56	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Kerosene: Transit Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-06-002-57	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Distillate Oil: Transit Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-06-003-01	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Splash Filling	11.5	-	-	-	-	-	-	-	E3GAL
4-06-003-02	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Submerged Filling	7.3	-	-	-	-	-	-	-	E3GAL
4-06-003-05	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Unloading	1	-	-	-	-	-	-	-	E3GAL
4-06-003-06	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Balanced Submerged Filling	0.3	-	-	-	-	-	-	-	E3GAL
4-06-003-07	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Underground Tank: Breathing and Emptying	1	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-004-01	Chemical Evaporation Transportation and Marketing of Petroleum Products Filling Vehicle Gas Tanks - Stage II Vapor Loss	11	-	-	-	-	-	-	-	E3GAL
4-06-004-02	Chemical Evaporation Transportation and Marketing of Petroleum Products Filling Vehicle Gas Tanks - Stage II Liquid Spill Loss	0.7	-	-	-	-	-	-	-	E3GAL
4-07-004-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Anhydrides Acetic Anhydrides: Breathing Loss	1.2	-	-	-	-	-	-	-	E3GAL
4-07-004-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Anhydrides Acetic Anhydrides: Working Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-008-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Butanol: Breathing Loss	0.9	-	-	-	-	-	-	-	E3GAL
4-07-008-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Butanol: Working Loss	0.1	-	-	-	-	-	-	-	E3GAL
4-07-008-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols sec-Butanol: Breathing Loss	2	-	-	-	-	-	-	-	E3GAL
4-07-008-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols sec-Buanol: Working Loss	0.32	-	-	-	-	-	-	-	E3GAL
4-07-008-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols tert-Butanol: Breathing Loss	3.6	-	-	-	-	-	-	-	E3GAL
4-07-008-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols tert-Butanol: Working Loss	0.76	-	-	-	-	-	-	-	E3GAL
4-07-008-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Cyclohexanol: Breathing Loss	0.58	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-008-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Cyclohexanol: Working Loss	0.046	-	-	-	-	-	-	-	E3GAL
4-07-008-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Ethanol: Breathing Loss	2.9	-	-	-	-	-	-	-	E3GAL
4-07-008-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Ethanol: Working Loss	0.66	-	-	-	-	-	-	-	E3GAL
4-07-008-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isobutyl Alcohol: Breathing Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-008-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isobutyl Alcohol: Working Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-008-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isopropyl Alcohol: Breathing Loss	3.8	-	-	-	-	-	-	-	E3GAL
4-07-008-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isopropyl Alcohol: Working Loss	0.86	-	-	-	-	-	-	-	E3GAL
4-07-008-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Methanol: Breathing Loss	3.7	-	-	-	-	-	-	-	E3GAL
4-07-008-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Methanol: Working Loss	1.07	-	-	-	-	-	-	-	E3GAL
4-07-008-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Propanol: Breathing Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-008-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Propanol: Working Loss	0.3	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-016-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Decane: Breathing Loss	0.61	-	-	-	-	-	-	-	E3GAL
4-07-016-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Decane: Working Loss	0.04	-	-	-	-	-	-	-	E3GAL
4-07-016-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Dodecane: Breathing Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-016-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Dodecane: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-016-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Heptane: Breathing Loss	5.8	-	-	-	-	-	-	-	E3GAL
4-07-016-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Heptane: Working Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-016-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Isopentane: Breathing Loss	57.2	-	-	-	-	-	-	-	E3GAL
4-07-016-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Isopentane: Working Loss	16.3	-	-	-	-	-	-	-	E3GAL
4-07-016-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Pentadecane: Breathing Loss	0.05	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-016-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Pentadecane: Working Loss	0.0008	-	-	-	-	-	-	-	E3GAL
4-07-016-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Naphtha: Breathing Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-016-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Naphtha: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-016-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Petroleum Distillate: Breathing Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-016-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Petroleum Distillate: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-020-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkenes Dodecene: Breathing Loss	0.15	-	-	-	-	-	-	-	E3GAL
4-07-020-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkenes Dodecene: Working Loss	0.005	-	-	-	-	-	-	-	E3GAL
4-07-032-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Aniline: Breathing Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-032-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Aniline: Working Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-032-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethanolamines: Breathing Loss	0.1	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-032-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethanolamines: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-032-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethyleneamines: Breathing Loss	7	-	-	-	-	-	-	-	E3GAL
4-07-032-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethyleneamines: Working Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-036-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Benzene: Breathing Loss	8	-	-	-	-	-	-	-	E3GAL
4-07-036-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Benzene: Working Loss	2.25	-	-	-	-	-	-	-	E3GAL
4-07-036-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cresol: Breathing Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-036-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cresol: Working Loss	0.005	-	-	-	-	-	-	-	E3GAL
4-07-036-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cumene: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-036-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cumene: Working Loss	0.16	-	-	-	-	-	-	-	E3GAL
4-07-036-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Ethyl Benzene: Breathing Loss	2	-	-	-	-	-	-	-	E3GAL
4-07-036-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Ethyl Benzene: Working Loss	0.26	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-036-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Methyl Styrene: Breathing Loss	0.64	-	-	-	-	-	-	-	E3GAL
4-07-036-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Methyl Styrene: Working Loss	0.05	-	-	-	-	-	-	-	E3GAL
4-07-036-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Styrene: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-036-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Styrene: Working Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-036-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Toluene: Breathing Loss	3.5	-	-	-	-	-	-	-	E3GAL
4-07-036-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Toluene: Working Loss	0.66	-	-	-	-	-	-	-	E3GAL
4-07-036-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics m-Xylene: Breathing Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-036-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics m-Xylene: Working Loss	0.23	-	-	-	-	-	-	-	E3GAL
4-07-036-19	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics o-Xylene: Breathing Loss	1.5	-	-	-	-	-	-	-	E3GAL
4-07-036-20	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics o-Xylene: Working Loss	0.18	-	-	-	-	-	-	-	E3GAL
4-07-036-21	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics p-Xylene: Breathing Loss	1.9	-	-	-	-	-	-	-	E3GAL
4-07-036-22	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics p-Xylene: Working Loss	0.24	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-040-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acetic Acid: Breathing Loss	1.5	-	-	-	-	-	-	-	E3GAL
4-07-040-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acetic Acid: Working Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-040-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acrylic Acid: Breathing Loss	0.65	-	-	-	-	-	-	-	E3GAL
4-07-040-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acrylic Acid: Working Loss	0.064	-	-	-	-	-	-	-	E3GAL
4-07-040-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Adipic Acid Solution: Breathing Loss	0.0003	-	-	-	-	-	-	-	E3GAL
4-07-040-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Formic Acid: Breathing Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-040-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Formic Acid: Working Loss	0.57	-	-	-	-	-	-	-	E3GAL
4-07-040-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Propionic Acid: Breathing Loss	0.63	-	-	-	-	-	-	-	E3GAL
4-07-040-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Propionic Acid: Working Loss	0.06	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-044-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acetate: Breathing Loss	2.4	-	-	-	-	-	-	-	E3GAL
4-07-044-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acetate: Working Loss	0.34	-	-	-	-	-	-	-	E3GAL
4-07-044-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acrylate: Breathing Loss	1.59	-	-	-	-	-	-	-	E3GAL
4-07-044-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acrylate: Working Loss	0.2	-	-	-	-	-	-	-	E3GAL
4-07-044-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acetate: Breathing Loss	8.5	-	-	-	-	-	-	-	E3GAL
4-07-044-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acetate: Working Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-07-044-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acrylate: Breathing Loss	5.2	-	-	-	-	-	-	-	E3GAL
4-07-044-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acrylate: Working Loss	1.1	-	-	-	-	-	-	-	E3GAL
4-07-044-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Isopropyl Acetate: Breathing Loss	7.3	-	-	-	-	-	-	-	E3GAL
4-07-044-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Isopropyl Acetate: Working Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-044-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acetate: Breathing Loss	14.4	-	-	-	-	-	-	-	E3GAL
4-07-044-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acetate: Working Loss	4.8	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-044-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acrylate: Breathing Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-07-044-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acrylate: Working Loss	2.2	-	-	-	-	-	-	-	E3GAL
4-07-044-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Methacrylate: Breathing Loss	3.8	-	-	-	-	-	-	-	E3GAL
4-07-044-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Methacrylate: Working Loss	0.7	-	-	-	-	-	-	-	E3GAL
4-07-044-19	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Vinyl Acetate: Breathing Loss	9.4	-	-	-	-	-	-	-	E3GAL
4-07-044-20	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Vinyl Acetate: Working Loss	2.7	-	-	-	-	-	-	-	E3GAL
4-07-052-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycol Ethers Diethylene Glycol: Breathing Loss	0.003	-	-	-	-	-	-	-	E3GAL
4-07-056-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycols Ethylene Glycol: Breathing Loss	0.052	-	-	-	-	-	-	-	E3GAL
4-07-056-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycols Ethylene Glycol: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-056-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycols Propylene Glycol: Breathing Loss	0.007	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-060-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Carbon Tetrachloride: Breathing Loss	17.8	-	-	-	-	-	-	-	E3GAL
4-07-060-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Carbon Tetrachloride: Working Loss	5.2	-	-	-	-	-	-	-	E3GAL
4-07-060-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Chlorobenzene: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-060-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Chlorobenzene: Working Loss	0.36	-	-	-	-	-	-	-	E3GAL
4-07-060-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics o-Dichlorobenzene: Breathing Loss	0.69	-	-	-	-	-	-	-	E3GAL
4-07-060-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics o-Dichlorobenzene: Working Loss	0.05	-	-	-	-	-	-	-	E3GAL
4-07-060-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics p-Dichlorobenzene: Breathing Loss	0.82	-	-	-	-	-	-	-	E3GAL
4-07-060-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics p-Dichlorobenzene: Working Loss	0.06	-	-	-	-	-	-	-	E3GAL
4-07-060-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Epichlorohydrin: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-060-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Epichlorohydrin: Working Loss	0.4	-	-	-	-	-	-	-	E3GAL
4-07-060-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dibromide: Breathing Loss	4.9	-	-	-	-	-	-	-	E3GAL
4-07-060-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dibromide: Working Loss	0.77	-	-	-	-	-	-	-	E3GAL
4-07-060-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dichloride: Breathing Loss	8.7	-	-	-	-	-	-	-	E3GAL
4-07-060-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dichloride: Working Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-07-060-21	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Perchloroethylene: Breathing Loss	5	-	-	-	-	-	-	-	E3GAL
4-07-060-22	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Perchloroethylene: Working Loss	0.84	-	-	-	-	-	-	-	E3GAL
4-07-060-23	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Trichloroethylene: Breathing Loss	11.1	-	-	-	-	-	-	-	E3GAL
4-07-060-24	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Trichloroethylene: Working Loss	2.9	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-064-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Isocyanates Toluene Diisocyanate (TDI): Breathing Loss	0.044	-	-	-	-	-	-	-	E3GAL
4-07-064-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Isocyanates Toluene Diisocyanate (TDI): Working Loss	0.0008	-	-	-	-	-	-	-	E3GAL
4-07-068-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Ketones Cyclohexanone: Breathing Loss	1.7	-	-	-	-	-	-	-	E3GAL
4-07-068-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Ketones Cyclohexanone: Working Loss	0.2	-	-	-	-	-	-	-	E3GAL
4-07-076-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitriles Acrylonitrile: Breathing Loss	6.1	-	-	-	-	-	-	-	E3GAL
4-07-076-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitriles Acrylonitrile: Working Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-080-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitro Compounds Nitrobenzene: Breathing Loss	0.43	-	-	-	-	-	-	-	E3GAL
4-07-080-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitro Compounds Nitrobenzene: Working Loss	0.027	-	-	-	-	-	-	-	E3GAL
4-07-084-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Phenols Phenol: Breathing Loss	0.15	-	-	-	-	-	-	-	E3GAL
4-07-084-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Phenols Phenol: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-172-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Butyraldehyde: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-172-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Butyraldehyde: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-172-09	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Isobutyraldehyde: Breathing Loss	2.4	-	-	-	-	-	-	-	E3GAL
4-07-172-11	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Propionaldehyde: Breathing Loss	3.9	-	-	-	-	-	-	-	E3GAL
4-07-172-12	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Propionaldehyde: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Cyclohexane: Breathing Loss	1.47	-	-	-	-	-	-	-	E3GAL
4-07-176-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Cyclohexane: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Hexane: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-176-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Hexane: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-176-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Pentane: Breathing Loss	9.4	-	-	-	-	-	-	-	E3GAL
4-07-176-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Pentane: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Isoprene: Breathing Loss	9.7	-	-	-	-	-	-	-	E3GAL
4-07-180-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Isoprene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes 1-Pentene: Breathing Loss	12.6	-	-	-	-	-	-	-	E3GAL
4-07-180-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes 1-Pentene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-07	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Piperylene: Breathing Loss	6.4	-	-	-	-	-	-	-	E3GAL
4-07-180-08	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Piperylene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-09	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Cyclopentene: Breathing Loss	5.8	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-180-10	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Cyclopentene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-208-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Ethyl Ether: Breathing Loss	9.9	-	-	-	-	-	-	-	E3GAL
4-07-208-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Ethyl Ether: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-208-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Propylene Oxide: Breathing Loss	7.8	-	-	-	-	-	-	-	E3GAL
4-07-208-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Propylene Oxide: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-220-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Carbon Tetrachloride: Breathing Loss	3.2	-	-	-	-	-	-	-	E3GAL
4-07-220-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Carbon Tetrachloride: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-220-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Chloroform: Breathing Loss	4.6	-	-	-	-	-	-	-	E3GAL
4-07-220-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Chloroform: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-220-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Ethylene Dichloride: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-220-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Ethylene Dichloride: Working Loss	0.003	-	-	-	-	-	-	-	E3GAL
4-07-220-09	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Trichlorethylene: Breathing Loss	0.56	-	-	-	-	-	-	-	E3GAL
4-07-220-10	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Trichlorethylene: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-228-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Acetone: Breathing Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-228-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Acetone: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-228-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Ethyl Ketone: Breathing Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-228-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Ethyl Ketone: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-228-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Isobutyl Ketone: Breathing Loss	0.31	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-228-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Isobutyl Ketone: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-232-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Mercaptans Ethyl Mercaptan: Breathing Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-07-232-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Mercaptans Ethyl Mercaptan: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-999-97	Petroleum and Solvent Evaporation Organic Chemical Storage Miscellaneous Specify in Comments	1.44	-	-	-	-	-	-	-	TON
4-90-001-01	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Petroleum Naphtha (Stoddard)	2000	-	-	-	-	-	-	-	TON
4-90-001-02	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-90-001-03	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-90-001-04	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Furfural	2000	-	-	-	-	-	-	-	TON
4-90-001-05	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-001-99	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Other Not Classified	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-90-002-01	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Storage Tank Vent	0.02	-	-	-	-	-	-	-	TON
4-90-002-02	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Condenser Vent	3.3	-	-	-	-	-	-	-	TON
4-90-002-03	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Incinerator Stack	0.02	-	-	-	-	-	-	-	TON
4-90-002-04	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Solvent Spillage	0.2	-	-	-	-	-	-	-	TON
4-90-002-05	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Solvent Loading	0.72	-	-	-	-	-	-	-	TON
4-90-002-99	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-90-003-01	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning Ethylene Glycol	0.0007	-	-	-	-	-	-	-	EACH
4-90-003-02	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning Chlorobenzene	0.035	-	-	-	-	-	-	-	EACH
4-90-003-03	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning o-Dichlorobenzene	0.166	-	-	-	-	-	-	-	EACH
4-90-003-04	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning Creosote	5.18	-	-	-	-	-	-	-	EACH
4-90-004-01	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Acetone	0.69	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-90-004-02	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Perchloroethylene	0.474	-	-	-	-	-	-	-	EACH
4-90-004-03	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Methyl Methacrylate	0.071	-	-	-	-	-	-	-	EACH
4-90-004-04	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Phenol	0.012	-	-	-	-	-	-	-	EACH
4-90-004-05	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Propylene Glycol	0.002	-	-	-	-	-	-	-	EACH
4-90-005-01	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-005-02	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-005-04	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Chloroform	2000	-	-	-	-	-	-	-	TON
4-90-005-99	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Solvent	2000	-	-	-	-	-	-	-	TON
4-90-900-11	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Incinerator: Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
4-90-900-12	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Incinerator: Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL
4-90-900-13	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Incinerator: Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
4-90-900-23	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Flare: Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-90-999-99	Petroleum and Solvent Evaporation Organic Solvent Evaporation Miscellaneous Volatile Organic Compound Evaporation Identify the Process and Solvent in Comments	2000	-	-	-	-	-	-	-	TON
5-01-001-01	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Modular Starved Air Combustor	1.5	3.16	0.299	-	-	3.23	-	0.12	TON
5-01-001-02	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Combustor	0.1	3.6	2.2	-	-	1.7	-	0.18	TON
5-01-001-03	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Combustor: Refuse Derived Fuel (RDF)	-	5.02	1.92	-	-	3.9	-	0.201	TON
5-01-001-04	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Refractory Wall Combustor	-	2.46	1.37	-	-	3.46	-	0.213	TON
5-01-001-05	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Waterwall Combustor	-	3.56	0.463	-	-	3.46	-	0.213	TON
5-01-001-06	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Rotary Waterwall Combustor	-	2.25	0.766	-	-	3.46	-	0.213	TON
5-01-001-07	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Modular Excess Air Combustor	-	2.47	-	-	-	3.46	-	0.213	TON
5-01-002-01	Waste Disposal Solid Waste Disposal - Government Open Burning Dump General Refuse	30	6	85	-	-	1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-01-002-02	Waste Disposal Solid Waste Disposal - Government Open Burning Dump Vegetation Only	19	4	140	-	-	-	-	-	TON
5-01-004-10	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Dump: Waste Gas Destruction: Waste Gas Flares	-	40	750	17	17	-	-	-	E6FT3S
5-01-004-20	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Gas (LFG) Energy Recovery: Turbine	-	87	230	22	22	-	-	-	E6FT3S
5-01-004-21	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Gas (LFG) Energy Recovery: Internal Combustion Engine	-	250	470	48	48	-	-	-	E6FT3
5-01-004-23	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Gas (LFG) Energy Recovery: Boiler	-	33	5.7	8.2	8.2	-	-	-	E6FT3
5-01-005-05	Waste Disposal Solid Waste Disposal - Government Other Incineration Medical Waste Incinerator, unspecified type, Infectious wastes only	0.3	3.56	2.95	-	-	2.17	-	0.0728	TON
5-01-005-06	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge	1	1.04	7.73	-	-	1	-	0.025	TON
5-01-005-07	Waste Disposal Solid Waste Disposal - Government Other Incineration Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON
5-01-005-08	Waste Disposal Solid Waste Disposal - Government Other Incineration Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-01-005-10	Waste Disposal Solid Waste Disposal - Government Other Incineration Trench Burner: Wood	19	4	-	-	-	0.1	-	-	TON
5-01-005-11	Waste Disposal Solid Waste Disposal - Government Other Incineration Trench Burner: Tires	6	-	-	-	-	-	-	-	TON
5-01-005-12	Waste Disposal Solid Waste Disposal - Government Other Incineration Trench Burner: Refuse	13	-	-	-	-	2.5	-	-	TON
5-01-005-15	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge: Multiple Hearth	1.7	5	31	-	-	28	-	0.1	TON
5-01-005-16	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge: Fluidized Bed	-	1.7	2.1	-	-	0.3	-	0.04	TON
5-01-005-17	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge: Electric Infrared	-	8.6	-	-	-	18	-	0.1	TON
5-01-007-01	Waste Disposal Solid Waste Disposal - Government Publicly Owned Treatment Works Entire Plant Not Elsewhere Classified	8.9	-	-	-	-	-	19	-	E6GAL
5-02-001-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Multiple Chamber	3	3	10	-	-	2.5	-	-	TON
5-02-001-02	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Single Chamber	15	2	20	-	-	2.5	-	-	TON
5-02-001-03	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Controlled Air	-	10	-	-	-	1.5	-	-	TON
5-02-001-04	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-02-001-05	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-02-002-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Open Burning Wood	19	4	140	-	-	-	-	-	TON
5-02-002-02	Waste Disposal Solid Waste Disposal - Commercial/Institutional Open Burning Refuse	30	6	85	-	-	1	-	-	TON
5-02-003-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Apartment Incineration Flue Fed	15	3	20	-	-	0.5	-	-	TON
5-02-003-02	Waste Disposal Solid Waste Disposal - Commercial/Institutional Apartment Incineration Flue Fed with Afterburner and Draft Controls	3	10	10	-	-	0.5	-	-	TON
5-02-005-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Med Waste Controlled Air Incin-aka Starved air, 2-stg, or Modular comb	0.299	3.56	2.95	-	-	2.17	-	0.0728	TON
5-02-005-03	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Medical Waste Rotary Kiln Incinerator	0.0666	4.63	0.382	-	-	1.09	-	0.124	TON
5-02-005-05	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Medical Waste Incinerator, unspecified type, Infectious wastes only	0.3	3.56	2.95	-	-	2.17	-	0.0728	TON
5-02-005-06	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Sludge	1	5	-	-	-	1	-	0.1	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-02-006-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Landfill Dump Waste Gas Flares	5.6	40	750	-	-	-	-	-	E6FT3
5-03-001-01	Waste Disposal Solid Waste Disposal - Industrial Incineration Multiple Chamber	3	3	10	-	-	2.5	-	-	TON
5-03-001-02	Waste Disposal Solid Waste Disposal - Industrial Incineration Single Chamber	15	2	20	-	-	2.5	-	0.00181	TON
5-03-001-03	Waste Disposal Solid Waste Disposal - Industrial Incineration Controlled Air	-	10	-	-	-	1.5	-	-	TON
5-03-001-04	Waste Disposal Solid Waste Disposal - Industrial Incineration Conical Design (Tee Pee): Municipal Refuse	20	5	60	-	-	2	-	-	TON
5-03-001-05	Waste Disposal Solid Waste Disposal - Industrial Incineration Conical Design (Tee Pee): Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-03-001-06	Waste Disposal Solid Waste Disposal - Industrial Incineration Air Curtain Combustor: Wood	-	4	-	-	-	0.1	-	-	TON
5-03-001-07	Waste Disposal Solid Waste Disposal - Industrial Incineration Air Curtain Combustor: Tires	6	-	-	-	-	-	-	-	TON
5-03-001-08	Waste Disposal Solid Waste Disposal - Industrial Incineration Incinerator: Auto Body Components	-	0.1	2.5	-	-	-	-	-	EACH
5-03-001-09	Waste Disposal Solid Waste Disposal - Industrial Incineration Air Curtain Combustor: Refuse	13	-	-	-	-	2.5	-	-	TON
5-03-001-11	Waste Disposal Solid Waste Disposal - Industrial Incineration Mass Burn Refractory Wall Combustor	-	2.46	1.37	-	-	3.46	-	0.213	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-03-001-12	Waste Disposal Solid Waste Disposal - Industrial Incineration Mass Burn Waterwall Combustor	-	3.56	0.463	-	-	3.46	-	0.213	TON
5-03-001-13	Waste Disposal Solid Waste Disposal - Industrial Incineration Mass Burn Rotary Waterwall Combustor	-	2.25	0.766	-	-	3.46	-	0.213	TON
5-03-001-14	Waste Disposal Solid Waste Disposal - Industrial Incineration Modular Starved Air Combustor	-	3.16	0.299	-	-	3.23	-	-	TON
5-03-001-15	Waste Disposal Solid Waste Disposal - Industrial Incineration Modular Excess Air Combustor	-	2.47	-	-	-	3.46	-	0.213	TON
5-03-002-01	Waste Disposal Solid Waste Disposal - Industrial Open Burning Wood/Vegetation/Leaves	-	4	-	-	-	-	-	-	TON
5-03-002-02	Waste Disposal Solid Waste Disposal - Industrial Open Burning Refuse	30	6	85	-	-	1	-	-	TON
5-03-002-03	Waste Disposal Solid Waste Disposal - Industrial Open Burning Auto Body Components	32000	4000	125000	-	-	-	-	0.67	E3TON
5-03-005-05	Waste Disposal Solid Waste Disposal - Industrial Incineration Hazardous Waste Incinerators: Multiple Hearth	-	3	-	-	-	-	-	-	TON
5-03-005-06	Waste Disposal Solid Waste Disposal - Industrial Incineration Sludge	1	5	-	-	-	1	-	-	TON
5-03-006-01	Waste Disposal Solid Waste Disposal - Industrial Solid Waste Landfill Landfill Dump: Waste Gas Flares	-	40	750	17	17	-	-	-	E6FT3
5-03-007-01	Waste Disposal Solid Waste Disposal - Industrial Wastewater Treatment General	4500	42600	-	-	-	-	-	-	E6GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-03-008-30	Waste Disposal Solid Waste Disposal - Industrial Treatment, Storage, Disposal/TSDF Containers: Fugitive Emissions	222	-	-	-	-	-	-	-	E3EACH

Table C-5: Facility Source Level 2017 Connecticut Point Source Inventory

2017 Site Information:

Site Name: IROQUOIS PIPELINE OPERATING CO EIS ID: 14621711 CT ID: T028P0049C08044 SIC Code: 4922
Address: 78 HIGH MEADOW ROAD, BROOKFIELD, CT Latitude: 41.43302 Longitude: -73.377022
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Station Emergency Shutdown Device Natural Gas Venting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	Caterpillar emergency power generator engine	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	3	25	18
E0005	Compressor normal seal gas leakage	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	13	0	0
E0006	EU01 Startups, Shutdowns and Malfunctions	0.2	0.0	2.9	0.0	0.0	0.0	0.0	0.00000	0	0	9
E0007	EU02 Startups, Shutdowns and Malfunctions	0.1	0.0	2.6	0.0	0.0	0.0	0.0	0.00000	1	0	9
P0027	Solar Taurus Model 60 SoLoNOx combustion turbine	0.6	6.0	0.2	2.4	2.4	0.1	0.0	0.00000	4	46	1
P0028	Solar Taurus Model 70 SoLoNOx combustion turbine	0.9	6.5	1.1	5.4	5.4	0.2	0.0	0.00000	5	36	6

2017 Site Information:

Site Name: WATERSIDE POWER LLC EIS ID: 14623611 CT ID: T172P0026C08048 SIC Code: 4911
Address: 17 AMELIA PL, STAMFORD, CT Latitude: 41.03816 Longitude: -73.554505
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0009	Black Start Generator Tank	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	Tank #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	Tank #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0228	GE TM2500 TURBINE 23.2 MW	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.00003	0	79	2
P0229	GE TM2500 TURBINE 23.2 MW	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.00003	0	91	2
P0230	GE TM2500 TURBINE 23.2 MW	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.00004	0	198	13
P0240	1000 KW BLACK START ENGINE	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	2	17	4

2017 Site Information:

Site Name: BRIDGEPORT INSULATED WIRE CO EIS ID: 14623811 CT ID: T178P0060C04680 SIC Code: 3357
Address: 514 SURF AVE, STRATFORD, CT Latitude: 41.177402 Longitude: -73.150877
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Miscellaneous Cleaning (MEK)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0002	Magnet Wire Coating Slip Oil Application	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
U0001	MAGNET WIRE COATING	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: STRATFORD SCHOOL FOR AVIATION EIS ID: 14623911 CT ID: T178P0231C05239 SIC Code: 8249
Address: 200 GREAT MEADOW RD, STRATFORD, CT Latitude: 41.161808 Longitude: -73.133437
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	SPRAY BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0004	Cleaning Operation	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	35	0	0
E0005	Natural Gas Sources	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0122	AEROSPACE ENGINE TEST CELL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0123	AEROSPACE ENGINE TEST CELL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	1	20

2017 Site Information:

Site Name: Tilcon Connecticut Inc. - Danbury EIS ID: 17997311 CT ID: T044P0039C06578 SIC Code: 2951
Address: 3 Plumtree Road, DANBURY, CT Latitude: 41.407426 Longitude: -73.414747
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0005	5T MASDEN BITUM CONC BATCH PLT	1.7	0.2	0.1	0.3	0.3	4.3	0.0	0.00000	21	20	5
U0001	MISC VOC EVAPORATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: KINGSWOOD KITCHENS INC EIS ID: 2722211 CT ID: T044P0226C03050 SIC Code: 2434
Address: 70 BEAVER ST, DANBURY, CT Latitude: 41.39457 Longitude: -73.462905
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	BOILER HB SMITH SERIES 28A-12	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.00001	0	0	0
E0003	GLUING (FUGITIVE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	SOLVENT CLEANING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	WOODWORKING/CUTTING OPERATIONS	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.00000	0	0	0
P0078	Spray Booth No. 1	3.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	26	0	0
P0079	Spray Booth No. 7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0
P0080	Spray Booth No. 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0083	Spray Booth No. 4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0
P0084	SPRAY BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0173	Spray Booth No. 3	3.4	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	29	0	0
P0174	Spray Booth No. 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: CONNECTICUT JET POWER, LLC EIS ID: 2722511 CT ID: T067P0017C07741 SIC Code: 4911
Address: SOUND SHORE DR, GREENWICH, CT Latitude: 41.028798 Longitude: -73.598721
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0097	20 MW FT4 TURBINE Unit 13	0.0	0.6	1.5	0.1	0.1	0.0	0.0	0.00006	0	88	209
P0098	20 MW FT4 TURBINE Unit 14	0.0	0.8	1.3	0.0	0.0	0.0	0.0	0.00006	0	108	181
R0052	P&WA FT4 TURBINE Unit 10	0.0	0.6	1.8	0.0	0.0	0.0	0.0	0.00006	0	81	233
R0053	P&WA FT4 TURBINE Unit 11	0.0	0.6	1.3	0.0	0.0	0.0	0.0	0.00005	0	83	187
R0054	P&WA FT4 TURBINE Unit 12	0.0	0.7	0.9	0.0	0.0	0.0	0.0	0.00005	0	99	142

2017 Site Information:

Site Name: Total Petrochemical and Refining EIS ID: 533411 CT ID: T178P0167C08768 SIC Code: 2869
Address: 105 ONTARIO ST, STRATFORD, CT Latitude: 41.172881 Longitude: -73.149812
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	MISC BLR CB 200-60	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0002	Miscellaneous Small Equipment	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	66	0	0
E0003	Safety Clean Parts Washer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0112	Reactor/dryer 2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
P0113	Reactor/dryer 3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0

2017 Site Information:

Site Name: NORWALK HOSPITAL ASSOCIATION EIS ID: 552411 CT ID: T137P0003C01727 SIC Code: 8062
Address: 24 STEVENS ST, NORWALK, CT Latitude: 41.10848 Longitude: -73.42196
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	300 KW GENERATOR	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	CATERPILLAR 3516 C	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
P0052	KAWASAKI M1A-13 TURBINE #2	1.5	6.0	2.6	0.8	0.8	0.0	0.0	0.00011	19	77	34
P0053	BLR CB 200-500 #1	0.1	3.3	0.5	0.2	0.2	0.0	0.0	0.00000	0	5	1
P0054	BLR CB 200-500 #2	0.1	3.3	0.5	0.2	0.2	0.0	0.0	0.00000	0	14	2
P0066	CAT 3508 DIESEL	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0135	CTERPILLAR 3516 B	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0164	3MW Caterpillar Natural Gas-Fired Cogeneration Engine	1.3	2.0	1.4	0.5	0.5	0.0	0.0	0.00000	0	0	0
U0001	HEALTH SERVICES: ETO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: PolyOne Designed Structures and Solutions EIS ID: 588811 CT ID: T172P0091C08762 SIC Code: 3081
Address: 69 SOUTHFIELD AVE, STAMFORD, CT Latitude: 41.035383 Longitude: -73.548618
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	BAKE OVENS 1,2,3, EXHAUST	0.1	1.7	1.4	0.1	0.1	0.0	0.0	0.00001	1	9	7
E0005	Cleaver Brooks Boiler FLX-900 #2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	Cleaver Brooks Boiler FLX-900 #1	0.1	1.3	1.1	0.1	0.1	0.0	0.0	0.00001	0	7	6
P0079	ONAN 500 DFFB DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0156	SCRATCH RESISTANT COATING	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
R0256	27 POLYMERIZING MACH-EPO PROC	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	24	0	0
R0257	LIQUID SEAL VACUUM PUMP	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	2

2017 Site Information:

Site Name: HAMPFORD RESEARCH INC EIS ID: 589611 CT ID: T178P0223C05988 SIC Code: 2869
Address: 54 VETERANS BLVD, STRATFORD, CT Latitude: 41.195845 Longitude: -73.121738
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0089	BLR CB-200-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0120	ORGNIC SYNTHESIS FAC GRP 1,2,3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	30	0	0
P0121	CLEAVER BROOKS BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1

2017 Site Information:

Site Name: SIKORSKY AIRCRAFT CORPORATION EIS ID: 642511 CT ID: T178P0005C08785 SIC Code: 3721

Address: 6900 MAIN ST, STRATFORD, CT Latitude: 41.24679 Longitude: -73.097604

County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	COLD CLEANING TANKS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0002	CAT 3406 FIRE PUMPS (4)	0.1	0.7	0.1	0.0	0.0	0.0	0.0	0.00000	2	26	6
E0005	SOLUTION TANK GN276-NITAL ETCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	CAT 3412 DIESEL GEN OR REPLACEMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
P0035	FINISHES BLDG VH PROG #2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
P0036	FINISHES BLDG CELL #1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0037	FINISHES BLDG CELL #3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0038	FINISHES SMALL PARTS	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0077	FINISHES BLDG VH #4 PAINT BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0078	BLADE SHOP #1 PAINTING OPS	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	10	0	0
P0117	FIXED ROOF STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0128	DYESCAN PAINT BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0129	Cogeneration Facility Turbine and Duct Burner	3.5	3.9	0.4	9.3	9.3	0.3	0.9	0.00002	21	23	2
R0016	BLR WICKES #4	0.0	1.7	0.7	0.1	0.1	0.0	0.0	0.00000	0	5	2
R0017	BLR WICKES #3	0.1	0.5	1.0	0.1	0.1	0.0	0.0	0.00002	0	1	1
R0018	BLR WICKES #2	0.1	0.6	1.0	0.1	0.1	0.0	0.0	0.00002	0	1	1
R0019	BLR WICKES #1	0.1	0.8	1.1	0.1	0.1	0.0	0.1	0.00003	0	1	2
U0003	LARGE AIRCRAFT COATING:	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
U0006	MISC VOC SOURCES	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	62	0	0

2017 Site Information:

Site Name: Sprague Operating Resources, LLC EIS ID: 754211 CT ID: T015P0017C08751 SIC Code: 5171
Address: 250 EAGLES NEST RD, BRIDGEPORT, CT Latitude: 41.165946 Longitude: -73.166694
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TANK #21- DISTILLATE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0002	TANK #30 ADDITIVE (GAS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	TANK# 34-ADDITIVE(DIESEL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	TANK# 33 ADDITIVE (DIESEL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	TANK# 32-ADDITIVE(GAS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	TANK# 20 (DISTILLATE)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0007	TANK# 22 (DISTILLATE)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0008	TANK# 23 (DISTILLATE)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0009	TANK# 24 (DISTILLATE)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0010	TANK# 25 -ADDITIVE (GAS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	TANK#31-DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	TANK#37-ADDITIVE (DIESEL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	TANK#38-ADDITIVE (GAS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	TANK RVP BLEND-DOWN ACTIVITIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	Fire Pump Engine Garage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	Fugitive VOC Losses From Pumps/Valves/Flanges	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0017	Fire Pump Engine Foam House	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0168	TRUCK LOAD RACK - DIST (4)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0733	TRUCK LOADING RACK - GASOLINE	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	62	0	0
R0734	TANK #11 - MNL GASOLINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0735	TANK #12 - GASOLINE	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	28	0	0
R0736	TANK #14 - FUEL ETHANOL	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
R0737	TANK #15 - GASOLINE	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0
R0738	TANK #16- DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0952	TANK #18 - GASOLINE	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	28	0	0
R0953	TANK #19 - DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0954	TANK #17 - GASOLINE	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	29	0	0
U0001	DISTILLATE SPLASHLOADING-BARGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: PSEG PWR CT LLC/BPT HARBOR STA EIS ID: 754311 CT ID: T015P0045C08087 SIC Code: 4911
Address: 1 ATLANTIC ST, BRIDGEPORT, CT Latitude: 41.168587 Longitude: -73.183378
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	CUMMINS H6-1P/101 HP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	SPACE HEATER, MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0089	C.E. STEAM GENERATOR #3	4.2	172.8	35.4	3.0	1.0	228.9	0.2	0.00045	9	363	75
R0166	P&WA FT4A-8 TURBINE	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.00004	0	6	0

2017 Site Information:

Site Name: WHEELABRATOR BRIDGEPORT LP EIS ID: 754411 CT ID: T015P0765C08786 SIC Code: 4953
Address: 6 HOWARD AVE, BRIDGEPORT, CT Latitude: 41.157711 Longitude: -73.215788
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	SPECTRUM DIESEL EMERG GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0003	ASH CONDITIONER/HANDLING	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.00000	0	0	0
E0004	CAT DIESEL EMERG FIRE ENG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0005	LIME SLAKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	LIME SILO W/FAB FILT VENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	CARBON SILO W/FAB FILTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	COOLING TOWER	0.0	0.0	0.0	29.6	29.6	0.0	0.0	0.00000	0	0	0
P0097	B&W RES RECOV INCIN #1	2.5	354.5	18.0	11.5	11.5	38.2	0.7	0.09668	15	2,079	105
P0098	B&W RES RECOV INCIN #2	2.5	358.0	16.0	10.9	10.9	40.6	0.4	0.00185	15	2,092	94
P0099	B&W RES RECOV INCIN #3	2.5	383.0	18.0	11.9	11.9	40.7	0.4	0.00338	15	2,222	104
P0296	INDUSTRIAL VACUUM CLEANER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0

2017 Site Information:

Site Name: BRIDGEPORT ENERGY LLC EIS ID: 754511 CT ID: T015P0862C06859 SIC Code: 4911
Address: 10 ATLANTIC ST, BRIDGEPORT, CT Latitude: 41.168931 Longitude: -73.184491
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	303(PEAK)HP CATERPILLER	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	3	4	3
P0190	190 MW SIEMENS TURBINE	1.3	68.4	20.1	17.7	17.3	2.4	28.0	0.00000	11	763	37
P0191	190 MW SIEMENS TURBINE	3.9	67.9	16.6	5.2	4.3	2.4	21.2	0.00000	33	765	34

2017 Site Information:

Site Name: Manchester Landfill Premises EIS ID: 14622811 CT ID: T097P0225C00197 SIC Code: 4953
Address: 1 LANDFILL WAY, MANCHESTER, CT Latitude: 41.76909 Longitude: -72.568551
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	EXTERNAL COMBUSTION GEU	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	LPG EXTERNAL COMBUSTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	GRANGE BOILER EU 48 & JENNY PW EU 84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	EMERGENCY GENERATORS	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	3	44	7
E0009	SEWAGE TREATMENT PLANT	3.2	0.0	0.0	0.0	0.0	0.0	20.1	0.00000	17	0	0
E0011	GASOLINE STORAGE TANK	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	VEHICLE REF DIESEL FUEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	STORAGE TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	COLD CLEANING TANKS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0015	GASOLINE STAGE II PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	WELDING HOOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	FUGITIVE NMOC EMISSIONS FROM LANDFILL	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0114	LFG FLARE & COLLECTION SYSTEM	0.0	0.8	0.7	0.5	0.5	2.4	0.0	0.00108	0	5	4

2017 Site Information:

Site Name: PRATT & WHITNEY DIV UTC EIS ID: 2673411 CT ID: T053P0009C00130 SIC Code: 3724

Address: 400 MAIN ST (MAIN PLANT), EAST HARTFORD, CT Latitude: 41.747125 Longitude: -72.637929

County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	M & ME SPRAY BOOTH BT535911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	M & ME SPRAY BOOTH BT530020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	GMPC SPRAY BOOTH E000488	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	EMER ENGINES (NOT 3B)	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.00000	1	7	10
E0011	CATERPILLAR EMERG ENG 474914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0012	KOHLER EMERG GEN BT347250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0014	KOHLER EMERG GEN 474922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	2
E0015	COLD CLEANING TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	BURNER RIGS TESTING	0.0	0.4	0.1	0.0	0.0	0.2	0.0	0.00002	0	6	1
E0295	TEST CELL NO. X-7	0.0	4.9	0.7	0.0	0.0	0.3	0.0	0.00000	0	155	16
E0296	TEST CELL NO. X-8	0.0	4.7	0.6	0.0	0.0	0.3	0.0	0.00000	0	113	17
E0382	HFB BN Spray Booth 545028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0383	Spray Booth ATR Ind. 545692	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0384	Spray Booth Heat Transfer 664939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0385	Misc Natural Gas Sources	0.1	2.1	1.8	0.2	0.2	0.0	0.0	0.00001	0	8	6
E0386	Spray Booth Low Temp 546711	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0387	HQEB Cummins Emer Gen 482842	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0049	FT-8 COGENERATION GAS TURBINE	0.7	8.1	16.7	2.2	2.2	0.2	4.0	0.00000	6	1	144
P0055	BT 541382 BT 539823	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00002	1	0	0
P0081	GM/DETROIT DIESEL FIRE PUMP BT417497	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0086	HFB SPRAY BOOTH BT 472346	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0098	CUMMINS EMERG GEN BT470993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	2
P0121	HFB SPRAY BOOTH EHRO BT 816461	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	1	0	0
P0124	SPEC. COAT SPRAY BOOTH 244095	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0132	HVOF PLASMA SPRAY BOOTH 542073	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0133	CANMC STC PB 02 SPRAY BOOTH 545255	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0141	Noble Gas Furnace #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0142	Noble Gas Furnace #2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
P0143	Noble Gas Furnace #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0144	Noble Gas Furnace #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0145	GFS Custom Cross Draft Paint Booth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0019	X7 INLET AIR HEATER	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0020	X8 INLET AIR HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	7	6

Site Name: PRATT & WHITNEY DIV UTC (Continued):

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
R0039	BLR UNION WT-VO #6	0.6	17.2	9.5	0.9	0.9	0.1	0.4	0.00007	0	4	2
R0041	BLR UNION WT-VO #8	0.4	7.3	5.6	0.6	0.6	0.1	0.3	0.00011	6	100	85
R0042	BLR UNION WT-VO #9	0.3	9.1	5.1	0.5	0.5	0.0	0.2	0.00005	6	151	86
U0004	THIN SOLV: IPA PMC 9094	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
U0014	SPRAY GUN CLEANING PMC 9060	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: SUPREME LAKE MFG CO EIS ID: 2673711 CT ID: T168P0110C04470 SIC Code: 3451
Address: 455 ATWATER ST, SOUTHINGTON, CT Latitude: 41.582873 Longitude: -72.898235
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
P0047	ULTRAKOOL VAPOR DEGREASER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: M D C /HARTFORD WPCF EIS ID: 552311 CT ID: T075P0505C01046 SIC Code: 4952
Address: 240 BRAINARD RD, HARTFORD, CT Latitude: 41.729398 Longitude: -72.651804
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	WASTEWATER TREATMENT	8.2	0.0	0.0	0.0	0.0	0.0	178.0	0.00000	58	0	0
E0003	SLUDGE PROC BLDG	0.4	0.0	0.0	0.0	0.0	0.0	1.7	0.00000	2	0	0
E0005	BOILER IN ADMIN BLDG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	SIX SMALL BOILERS	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	TWO RESIDENTIAL BOILERS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	GASOLINE FIRED ENGINES	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.00000	14	10	395
E0016	CATERPILLER XQ350 PORTABLE GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	0
E0023	CATERPILLAR C32 UV EM.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	69	3
P0006	NICHOLS MULTI-HEARTH SSI #1N	0.3	27.2	28.5	1.9	1.9	10.1	0.2	0.00017	0	231	242
P0007	NICHOLS MULTI-HEARTH SSI #2C	0.2	16.0	25.6	1.3	1.3	7.7	0.1	0.00016	0	201	322
P0008	NICHOLS MULTI-HEARTH SSI #3S	0.3	11.0	79.6	0.8	0.8	5.1	0.0	0.00025	3	118	856
P0212	CATERPILLAR 3412 EM. ENGINE	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0213	CATERPILLAR 3406 EM. ENGINE	0.2	1.9	0.1	0.1	0.1	0.1	0.0	0.00000	0	6	0
P0214	CATERPILLAR 3406 EM. ENGINE	0.3	4.2	0.3	0.3	0.2	0.3	0.0	0.00000	1	11	1
P0215	CATERPILLAR 3406 EM. ENGINE	0.2	2.9	0.2	0.2	0.2	0.2	0.0	0.00000	1	7	0
P0216	CATERPILLAR 3406 EM. ENGINE	0.3	3.6	0.2	0.3	0.2	0.2	0.0	0.00000	1	17	1
P0217	CATERPILLAR 3406 EM. ENGINE	0.4	4.7	0.3	0.3	0.3	0.3	0.0	0.00000	1	9	1

2017 Site Information:

Site Name: COVANTA BRISTOL, INC EIS ID: 588711 CT ID: T026P0202C06590 SIC Code: 4953
Address: 170 ENTERPRISE DR, BRISTOL, CT Latitude: 41.647154 Longitude: -72.916559
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0026	MARTIN/ZURN INCIN #1	1.1	104.5	11.2	1.7	0.0	12.1	1.6	0.01342	7	592	64
P0027	MARTIN/ZURN INCIN #2	1.1	150.0	14.0	0.8	0.0	10.6	1.1	0.00359	7	908	88

2017 Site Information:

Site Name: ALGONQUIN POWER WINDSOR LOCKS EIS ID: 589711 CT ID: T213P0001C08095 SIC Code: 4911
Address: 26 CANAL BANK RD, WINDSOR LOCKS, CT Latitude: 41.92341 Longitude: -72.626611
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0029	GE PB6541B GAS TURBINE	0.1	7.3	1.5	0.3	0.3	0.1	0.0	0.00000	4	289	62
P0031	BLR NEBRASKA TYPE A #1	0.5	7.8	7.2	0.7	0.7	0.1	0.3	0.00004	3	39	48
P0032	BLR NEBRASKA TYPE A #2	0.3	2.6	4.0	0.4	0.4	0.0	0.2	0.00000	3	38	45
P0116	SOLAR TITAN 130 GAS TURBINE	0.1	4.7	1.3	9.8	9.8	0.4	1.1	0.00000	0	20	3

2017 Site Information:

Site Name: MIRA / MID-CONNECTICUT EIS ID: 715611 CT ID: T075P0158C08792 SIC Code: 4953
Address: RESERVE-MAXIM RDS, HARTFORD, CT Latitude: 41.747446 Longitude: -72.653551
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0044	C.E. VU-40 INCIN #1	20.3	226.3	101.9	8.5	8.5	26.4	2.8	0.02794	130	1,455	707
P0045	C.E. VU-40 INCIN #2	2.7	184.5	91.2	3.2	3.2	20.2	3.5	0.00818	18	1,191	543
P0046	C.E. VU-40 INCIN #3	15.6	199.9	111.3	7.0	7.0	18.7	2.3	0.02165	97	1,241	721
R0260	P&W FT4A-9 TURBINE 11A	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.00001	0	76	0
R0261	P&W FT4A-9 TURBINE 11B	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.00001	0	73	0
R0262	P&W FT4A-9 TURBINE 12A	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.00001	0	94	0
R0263	P&W FT4A-9 TURBINE 12B	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.00001	0	84	0
R0264	P&W FT4A-9 TURBINE 13A	0.0	1.6	0.0	0.0	0.0	0.0	0.1	0.00003	0	1	0
R0265	P&W FT4A-9 TURBINE 13B	0.0	1.4	0.0	0.0	0.0	0.0	0.1	0.00003	0	1	0
R0266	P&W FT4A-9 TURBINE 14A	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.00001	0	77	0
R0267	P&W FT4A-9 TURBINE 14B	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.00001	0	79	0

2017 Site Information:

Site Name: HAMILTON SUNDSTRAND CORP EIS ID: 753011 CT ID: T213P0002C00130 SIC Code: 3728
Address: 1 HAMILTON RD, WINDSOR LOCKS, CT Latitude: 41.923816 Longitude: -72.69051
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	STAHL AIR HEATER F26A 'F'	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0042	1MW Black Start Emergency Engine A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0043	1MW Black Start Emergency Engine B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0045	F0598 Rockhard Booth	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0046	Grouped Emergency Engines	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	1	17	4
E0047	Cummins 20kW Emergency Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0048	Cummins 200kW Emergency Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	14	3
E0049	E63847 Vapor Degreaser Non-exempt VOC	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0050	AV VolvoPenta 600kW Tier IV Emergency Engine	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	3	26	6
P0043	ALUMINUM COATING PROCESS	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0044	4 SPRAY BOOTHS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0047	ENGINE TEST CELL E P-0047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0058	1A EMERGENCY GEN 500KW	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	2	31	7
P0085	BINKS SPRAY BOOTH #1/ELEC OVEN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0086	BINKS SPRAY BOOTH #2/ELEC OVEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0115	Cogeneration Facility P115	0.6	1.8	0.9	4.2	4.2	0.2	4.4	0.00000	3	10	4
R0052	BLR RILEY #1	0.0	1.0	0.6	0.1	0.1	0.0	0.0	0.00000	1	18	11
R0053	BLR RILEY #2	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.00000	0	7	5
R0054	BLR RILEY #3	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.00000	0	1	1
R0059	BLR CB 760-500, B3 #2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0060	BLR CB 760-500, B3 #1	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0094	JET ENG, TEST CELL D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0097	JET ENG,HLTP ALLISON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0005	THINNING SOLVENTS: ISOPROPYL A	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	20	0	0
U0006	THINNING SOLVENTS: METHYL ALCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0007	THINNING SOLVENTS: MEK	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
U0008	THINNING SOLVENTS: MINERAL SPI	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	60	0	0
U0009	THINNING SOLVENTS: TOLUENE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
U0010	UNREG MISC VOC EVAP	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0

2017 Site Information:

Site Name: FIRESTONE BUILDING PRODUCTS CO EIS ID: 769211 CT ID: T026P0019C06579 SIC Code: 3086
Address: 780 JAMES P CASEY RD, BRISTOL, CT Latitude: 41.69426 Longitude: -72.982332
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Miscellaneous Fuel Burning	0.1	1.3	1.1	0.1	0.1	0.0	0.0	0.00001	0	2	2
E0002	Co-Gen (Natural Gas Combustion)	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.00000	0	5	1
P0045	FOAM BOARD INSUL MFG	43.8	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	23	1	1

2017 Site Information:

Site Name: Capitol District Energy Center Cogeneration Associates EIS ID: 844911 CT ID: T075P0766C08310 SIC Code: 4911
Address: 490 CAPITOL AVE, HARTFORD, CT Latitude: 41.760827 Longitude: -72.691555
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	BLR 2 CLEAVER BROOKS CBI-400-800-200	0.1	1.9	1.1	0.3	0.3	0.0	0.0	0.00001	1	11	7
E0002	BAC-Pritchard Model #7454-858-4 Cooling Tower	0.0	0.0	0.0	1.5	0.9	0.0	0.0	0.00000	0	0	0
P0064	GE PG6531 GAS TURB & DUCT BRNR	0.2	22.6	15.4	1.5	1.5	0.0	0.1	0.00002	3	745	357
P0065	BLR ZURN 22M KEYSTONE	0.2	1.7	1.1	0.3	0.3	0.0	0.0	0.00002	0	0	1
P0150	DETROIT 12V-71-IT DIESEL	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0329	FUEL OIL TANKS #1,#2,#3,#4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: STANLEY TOOLS DIV EIS ID: 918811 CT ID: T110P0282C00110 SIC Code: 3423

Address: 600 MYRTLE ST, NEW BRITAIN, CT Latitude: 41.666558 Longitude: -72.798224

County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	BLR IBW BF350C-W12 #1	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	BLR IBW BF350C-W12 #2	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	ADHESIVE CLEANING TANK	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0006	OFF-SET PRINTERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	4 MTL COIL LAMINATORS/GAS OVEN	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	3	3
E0013	HARDENING AND TEMPERING LINE	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0014	HEAT TREAT LINE (Furnace #95)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0019	COLD FORMING MACHINES	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	17	0	0
E0020	TRIM KNIFE BLADE UNITS	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
E0024	Parts Washer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0025	Carbide Application	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0012	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN L#3	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	95	0	0
P0013	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN L#4	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	77	0	0
P0019	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN L#5	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	47	0	0
U0002	REVERSE ROLL COATING LINE #1 W/GAS OVEN	5.1	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	7	1	1

2017 Site Information:

Site Name: Connecticut Jet Power LLC, Torrington Terminal EIS ID: 16708411 CT ID: T183P0043C07741 SIC Code: 4911
Address: South Main Street, TORRINGTON, CT Latitude: 41.791172 Longitude: -73.1201
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0068	P&WA FT4A-8 TURBINE	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.00005	0	170	1

2017 Site Information:

Site Name: Connecticut Jet Power LLC, Franklin Drive EIS ID: 16712111 CT ID: T183P0024C07741 SIC Code: 4911
Address: Franklin Drive, TORRINGTON, CT Latitude: 41.797493 Longitude: -73.121119
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0067	P&WA FT4-8 TURBINE	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.00004	0	306	2

2017 Site Information:

Site Name: FJC Services, LLC EIS ID: 17952511 CT ID: T147P0062C08773 SIC Code: 3471
Address: 15 Container Drive, PLYMOUTH, CT Latitude: 41.691317 Longitude: -73.026739
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	Branson Mini Vapor Degreaser (Unit No. 4 - no NSR Permit reqd.)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0018	Sonicor Vapor Degreaser (Unit No. 1)	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	34	0	0
P0019	Ultra Clean Vapor Degreaser (Unit No. 2)	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	22	0	0
P0020	Custom Vapor Degreaser (Unit No. 3)	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	28	0	0

2017 Site Information:

Site Name: Braxton Manufacturing Company, Inc. EIS ID: 2711411 CT ID: T200P0052C06689 SIC Code: 3965
Address: 858 Echo Lake Road, WATERTOWN, CT Latitude: 41.605952 Longitude: -73.084688
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0053	Ultra-Kool Cold Trap Plus Batch Vapor Degreaser	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0054	Durr Model 95S, Combined Flood Wash and Vapor Vacuum Degreaser	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: Albea Metal Americas Inc. EIS ID: 587911 CT ID: T200P0026C08709 SIC Code: 3469
Address: 1 Seemar Road, WATERTOWN, CT Latitude: 41.614114 Longitude: -73.088047
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	HEATERS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	UV Curing - Resin Surface Coating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0014	ACE 230TLG BURNOFF OVEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0015	SPRAYLINE 2,3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: KIMBERLY-CLARK CORP EIS ID: 845911 CT ID: T130P0006C01672 SIC Code: 2621

Address: 58 PICKETT DISTRICT RD, NEW MILFORD, CT Latitude: 41.556876 Longitude: -73.4099

County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	MULTIFOLDER #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	MULTIFOLDER #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	POCKET PACK LINES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	INK PRINTING OPERATIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	FIRE PUMP #1 - RIVER	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	FIRE PUMP #2 - SOUTH	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0012	FIRE PUMP #3 - NORTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	RAW WATER TREATMENT PLANT - CHEMICALS USED	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	11	0	0
E0014	EFFLUENT TREATMENT PLANT - CHEMICALS USED	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
E0015	EMERGENCY GENERATOR #1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	EMERGENCY GENERATOR #2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	EMERGENCY GENERATOR FOR FIRE PROTECTION WATER BED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	Emergency Generator (ETP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0019	TM Make-up Air-Hood Burner	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0014	TISSUE MACHINE #2 HOOD BURNERS	0.8	0.8	5.6	0.3	0.3	0.0	0.0	0.00002	5	5	35
P0026	TISSUE MACHINE #1 HOOD BURNERS	0.8	0.8	5.8	0.3	0.3	0.0	0.0	0.00002	4	4	31
P0029	TISSUE MACHINES #1 AND #2, PROCESS	2.7	0.0	0.0	7.5	7.5	0.0	0.0	0.00000	15	0	0
P0033	OFF-LINE PRINTER/WINDER #1	6.5	0.0	0.0	0.2	0.2	0.0	0.0	0.00000	37	0	0
P0070	COMBUSTION TURBINE #1 W/SUPP BURNER	0.2	4.4	3.2	3.1	2.3	0.4	4.5		1	24	15
P0071	COMBUSTION TURBINE #2	0.1	26.6	0.9	3.7	2.9	0.4	0.0		1	148	4
R0019	BOILER #3	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.00000	0	1	1
U0001	COLD CLEANER MAINTENANCE PARTS WASHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
U0002	TOWEL PRINTER/WINDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: KLEEN ENERGY SYSTEM PROJECT EIS ID: 14622911 CT ID: T104P0246C08070 SIC Code: 4911
Address: 1349 RIVER ROAD, MIDDLETOWN, CT Latitude: 41.552666 Longitude: -72.598265
County: MIDDLESEX Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	1214 hp Caterpillar C27 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	7	4
E0002	1502 hp Caterpillar C32 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	13	7
E0003	1490 hp Cummins QST30-G5 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	252 hp Cummins CFP83-F30 diesel Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	11	11
P0131	SIEMENS SGT6-5000F TURBINE #1	1.8	47.9	7.6	8.1	8.1	4.1	2.6	0.00004	1	298	25
P0133	SIEMENS SGT6-5000F TURBINE #2	3.6	50.8	7.8	6.3	6.3	4.4	7.2	0.00003	1	291	24
P0134	73.5 MMBTU/HR AUX BOILER	0.0	0.3	0.6	0.1	0.1	0.0	0.0	0.00000	0	3	6

2017 Site Information:

Site Name: MATTABASSETT DISTRICT EIS ID: 17876611 CT ID: T043P0012C00562 SIC Code: 4952
Address: 245 MAIN ST, CROMWELL, CT Latitude: 41.582581 Longitude: -72.651136
County: MIDDLESEX Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Camus01100MG1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	Prestige Solo 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	Cummins KTA50 Diesel G-9#1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	Cummins KTA50 Diesel G-9#2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	5 Small Nat Gas Boilers	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0007	D-O N3943 FLUIDIZED BED SSI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0030	1.5 TPH Infilco Degremont Fuidized Bed SSI - NSR Permit 30	0.1	1.9	0.5	0.4	0.4	0.0	0.0	0.00003	1	10	2
R0032	BSP MULTI HEARTH SSI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0034	BLR CB 764-200 #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0035	BLR CB 764-200 #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0044	ALCO 12-251C DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION (Cromwell) EIS ID: 2706711 CT ID: T043P0005C08820 SIC Code: 4922
Address: 252 SHUNPIKE ROAD, CROMWELL, CT Latitude: 41.631669 Longitude: -72.673363
County: MIDDLESEX Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	Maxon Heater 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	Maxon Heater 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	Waukesha VGF48GL Emergency Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	Cameron Heater	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0005	SOLAR T-4700 TURBINE	0.5	11.4	18.7	0.5	0.5	0.3	0.0	0.00000	6	137	252
P0006	SOLAR T-4700 TURBINE	0.5	7.8	16.3	0.6	0.6	0.3	0.0	0.00000	6	88	162
P0031	Solar 100-16002S4 Turbine 13.5 MW	0.2	6.1	4.7	0.5	0.5	1.3	0.0	0.00000	19	40	24
R0011	C-B GAS COMPRESSOR 44688	8.4	19.0	3.4	1.2	1.2	0.0	0.0	0.00000	137	308	55
R0012	C-B GAS COMPRESSOR 44687	3.0	10.1	1.1	0.4	0.4	0.0	0.0	0.00000	0	0	0
R0013	C-B GAS COMPRESSOR 44843	5.3	19.5	3.0	0.9	0.9	0.0	0.0	0.00000	108	397	61
R0014	C-B GAS COMPRESSOR 44844	5.0	35.7	4.2	0.9	0.9	0.0	0.0	0.00000	109	775	92
R0015	C-B GAS COMPRESSOR 45675	2.8	14.0	1.2	0.5	0.5	0.0	0.0	0.00000	111	548	48
R0016	C-B GAS COMPRESSOR 45676	3.3	22.1	1.4	0.6	0.6	0.0	0.0	0.00000	103	690	43
U0001	UNREG VOC FUGITIVE EMISSIONS	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	77	0	0

2017 Site Information:

Site Name: MIDDLETOWN POWER LLC EIS ID: 715711 CT ID: T104P0024C07741 SIC Code: 4911
Address: 1866 RIVER RD, MIDDLETOWN, CT Latitude: 41.553859 Longitude: -72.569445
County: MIDDLESEX Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	CB BOILER (GLYCOL) #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0002	CB BOILER (GLYCOL) #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0002	Unit 4A (EU-4) Aux Boiler	0.3	6.7	4.1	0.4	0.4	0.2	0.2	0.00003	1	14	8
P0003	BLR C.E. #4	1.0	35.2	4.7	6.1	6.1	26.6	0.7	0.00140	136	4,035	632
P0144	GE LM6000 Turbine 50 MW - Unit 12	0.0	0.9	0.4	0.2	0.2	0.0	0.1	0.00020	1	5	0
P0145	GE LM6000 Turbine 50 MW - Unit 13	0.0	0.7	0.3	0.2	0.2	0.0	0.0	0.00014	2	10	1
P0146	GE LM6000 Turbine 50 MW - Unit 14	0.0	0.4	0.2	0.2	0.2	0.0	0.1	0.00014	1	9	2
P0147	GE LM6000 Turbine 50 MW - Unit 15	0.0	1.3	0.6	0.1	0.1	0.0	0.1	0.00020	1	9	1
R0098	BLR RILEY #2	3.0	62.3	41.0	3.9	3.9	23.3	9.6	0.00088	53	967	805
R0100	BLR B&W (CY) #3	3.1	108.2	45.9	3.2	3.2	6.9	0.7	0.00041	110	2,025	1,683
R0102	P&W FT4A-8 TURBINE	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.00005	0	153	1

2017 Site Information:

Site Name: PRATT & WHITNEY DIV UTC EIS ID: 920511 CT ID: T104P0007C00130 SIC Code: 3724
Address: AIRCRAFT RD, MIDDLETOWN, CT Latitude: 41.539257 Longitude: -72.560402
County: MIDDLESEX Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	KOHLER DIESEL BT 805753	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	6	1
E0136	TEST CELL NO. P-1	0.0	2.9	0.3	0.0	0.0	0.2	0.0	0.00000	0	165	14
E0137	TEST CELL NO. P-2	0.0	41.6	3.6	0.2	0.2	4.2	0.0	0.00000	0	549	47
E0138	TEST CELL NO. P-3	0.1	22.6	3.0	0.9	0.9	1.0	0.0	0.00000	1	301	23
E0139	TEST CELL NO. P-4	0.4	29.0	6.6	2.5	2.5	1.5	0.0	0.00000	4	282	66
E0140	TEST CELL NO. P-5	0.0	31.0	2.1	0.0	0.0	1.0	0.0	0.00000	0	281	19
E0141	TEST CELL NO. P-6	0.1	34.8	2.4	0.0	0.0	1.1	0.0	0.00000	0	312	21
E0142	TEST CELL NO. P-7	0.2	29.4	3.6	1.2	1.2	1.2	0.0	0.00000	4	319	56
E0143	TEST CELL NO. P-8	0.0	22.7	1.6	0.0	0.0	0.8	0.0	0.00000	0	256	18
E0144	CUMMINS DIESEL BT 475613	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0145	CUMMINS DIESEL BT 479648	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0146	CUMMINS DIESEL BT 457374	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0147	CUMMINS DIESEL BT R49397	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	14	3
E0148	CUMMINS DIESEL BT 415830	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	8	2
E0149	CUMMINS DIESEL BT 475299	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0150	CUMMINS DIESEL BT 475300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0151	CUMMINS DIESEL BT 479031	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0152	CUMMINS DIESEL BT 805751	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0153	CUMMINS DIESEL BT 801206	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0027	FT-4 TURBINE DRIVE ENG X960	0.0	4.8	0.5	0.6	0.6	0.7	0.0	0.00042	7	926	96
P0028	INLET AIR HEATER X960 #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	13	3
P0029	INLET AIR HEATER X960 #3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	18	4
P0030	COMB TEST RIG X960	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00002	12	102	17
P0036	BLR CB-D68 #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0062	GG-8 GAS TURBINE ENGINE	0.0	0.6	0.1	0.1	0.1	0.1	0.0	0.00003	7	150	21
P0073	BINKS WW SPRAY BOOTH (BT538582)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00001	42	0	0
P0077	CUMMINS DIESEL BT 463875	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
P0078	ONAN DIESEL BT 465440	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0126	ATR paint spray booth (BT541944)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	16	0	0
P0139	ATR paint spray booth (BT542361)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00002	14	0	0
P0140	RENTECH BOILER No. 5	0.1	0.5	0.5	0.1	0.1	0.0	0.0	0.00001	0	0	0
P0141	RENTECH BOILER No. 6	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.00001	0	0	0
P0142	SOLAR TAURUS 70 GAS TURBINE	0.6	2.3	39.7	2.0	2.0	0.2	1.9	0.00000	4	15	251
U0002	MISC METAL PARTS COATINGS	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1,450	0	0
U0005	THIN SOLV: MEK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0006	THIN SOLV: MISC	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1,316	0	0

2017 Site Information:

Site Name: UNITED ALUMINUM CORP EIS ID: 14623211 CT ID: T135P0117C05244 SIC Code: 3353
Address: 100 UNITED DR, NORTH HAVEN, CT Latitude: 41.36429 Longitude: -72.864639
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	DR Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	WW Cummins - Onan NG Emergency Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	Office Cummins - Onan NG Emergency Engine	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0004	Branson Ultrasonics Vapor Degreaser Model B1950R	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
P0113	ANNEALING FURNACE #1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0114	ANNEALING FURNACE #2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0115	ANNEALING FURNACE #3	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0116	ANNEALING FURNACE #11	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	2
P0136	ALUM ROLLING MILL Z-23 & Z-	39.5	0.0	0.0	0.8	0.8	0.0	0.0	0.00000	217	0	0

2017 Site Information:

Site Name: Wallingford Energy LLC EIS ID: 14624011 CT ID: T189P0114C08691 SIC Code: 4911
Address: 115 JOHN ST, WALLINGFORD, CT Latitude: 41.447509 Longitude: -72.835576
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Black Start Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	12	0
P0194	GE LM6000 SIMP CYCLE	0.5	1.4	1.2	0.7	0.7	0.1	0.4	0.00000	7	16	19
P0195	GE LM6000 SIMP CYCLE	0.6	1.5	1.4	1.3	1.3	0.1	0.7	0.00000	6	16	18
P0196	GE LM6000 SIMP CYCLE	0.5	1.5	2.3	1.0	1.0	0.1	0.5	0.00000	7	17	31
P0197	GE LM6000 SIMP CYCLE	0.6	1.4	2.3	1.2	1.2	0.1	0.6	0.00000	6	14	33
P0198	GE LM6000 SIMP CYCLE	0.6	1.7	1.9	0.9	0.9	0.1	0.8	0.00000	6	16	28
P0199	CB BLR MDL CB(LE) 700-800-125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0246	GE LM6000 Simple Cycle Jet Turbine	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
P0247	GE LM6000 Simple Cycle Jet Turbine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: PIERCE GENERATING STATION (Wallingford) EIS ID: 14624411 CT ID: T189P0114C08224 SIC Code: 4911
Address: 195 EAST ST, PIERCE STATION, WALLINGFORD, CT Latitude: 41.44889 Longitude: -72.83472
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0234	GE COMBUSTION TURBINE	0.0	1.2	1.2	0.2	0.2	0.0	0.0	0.00005	0	11	37

2017 Site Information:

Site Name: WATERBURY GENERATION, LLC EIS ID: 15588211 CT ID: T192P0005C08468 SIC Code: 4911
Address: 725 BANK ST, WATERBURY, CT Latitude: 41.54583 Longitude: -73.044502
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	ULSK Tank-1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0300	GE LMS100PA SIMPLE CYCLE TURBINE	0.7	2.8	0.9	1.3	1.3	0.9	0.8	0.00002	15	44	17

2017 Site Information:

Site Name: EVONIK CYRO LLC EIS ID: 15588611 CT ID: T189P0027C08277 SIC Code: 2821
Address: 528 SOUTH CHERRY STREET, WALLINGFORD, CT Latitude: 41.434075 Longitude: -72.839613
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	FURNACE #3,B-10	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0005	FLUID BED OVEN #1(B45),#2(B22)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0029	RE 400 KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0030	RE 402B KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0011	EXTRUDER EX-102, B-10	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0
P0082	ONAN EMERGEN GEN 275DFBF	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	6	0
P0097	UNDERGROUND STORAGE TANK T-951 Acrylonitrile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0098	UST-950, UST-952 Methyl Methacrylate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0213	EXTRUDER EX-302, B-10	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
R0214	EXTRUDER EX-402, B-10	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
R0221	RE 100 KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0222	RE 300 KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0223	RE 102B KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0224	RE 302B KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0233	TA802 SOLV REC TKB10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

Site Name: EVONIK CYRO LLC (Continued):

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0246	EXTRUDER 1008/7, B-10A	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
U0004	FUGITIVES,B-10	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	24	0	0
U0005	Grouped Emitting Unit (GEU-01)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0006	MISC,B-10A	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: Connecticut Jet Power LLC, Branford Substation EIS ID: 16708311 CT ID: T014P0004C07741 SIC Code: 4911

Address: Boston Post Road, BRANFORD, CT Latitude: 41.288591 Longitude: -72.814567

County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0008	P&WA FT4A-8 TURBINE #10	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.00005	0	417	2

2017 Site Information:

Site Name: Waterbury Water Pollution Control Facility EIS ID: 17876411 CT ID: T192P0065C00253 SIC Code: 4952

Address: 210 Municipal Road, WATERBURY, CT Latitude: 41.520583 Longitude: -73.042866

County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	HEATING BOILERS (12)	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0134	Spronz Pathological Incinerator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0138	BLR KEWANEE H35-500-HGO2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	6	5
P0140	DORR-OLIVER FLUIDIZED BED	0.1	5.5	1.5	0.1	0.1	18.4	0.0	0.00005	1	47	13
P0291	MITSUBISHI EMERG GEN #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	30	8
P0292	MITSUBISHI EMERGENCY GEN #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	30	8

2017 Site Information:

Site Name: OMI WEST HAVEN /WPCF (S.S.I.) EIS ID: 17876511 CT ID: T203P0146C02442 SIC Code: 4952

Address: 2 BEACH STREET, WEST HAVEN, CT Latitude: 41.26555 Longitude: -72.932323

County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0014	D-O HWB-11 FLUIDIZED BED SSI	1.2	2.9	2.5	0.2	0.2	2.9	0.0	0.00205	10	24	20

2017 Site Information:

Site Name: Colonial Coatings Corporation EIS ID: 17997611 CT ID: T105P0096C03560 SIC Code: 3471
Address: 66 ERNA AVE, MILFORD, CT Latitude: 41.21784 Longitude: -73.076702
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0106	Baron Blakeslee DP5-3030 Vapor Degreaser	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0

2017 Site Information:

Site Name: MILFORD POWER CO, LLC EIS ID: 2708911 CT ID: T105P0251C07780 SIC Code: 4911
Address: 55 SHELLAND ST, MILFORD, CT Latitude: 41.221601 Longitude: -73.099527
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	3 EMERGENCY GENERATORS (DIESEL)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	14	3
P0068	ABB GT-24, UNIT #1 CC TURBINE	10.2	45.0	53.2	14.0	14.0	3.3	10.0	0.00000	103	296	529
P0069	ABB GT-24, UNIT #2 CC TURBINE	9.1	43.1	36.7	12.8	12.8	3.1	21.9	0.00000	89	260	421
P0087	MARLEY COOLING TOWER	0.0	0.0	0.0	9.2	9.2	0.0	0.0	0.00000	0	0	0
P0089	1.2 MMGAL #2 OIL STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: GREATER NEW HAVEN WPCA EIS ID: 2709611 CT ID: T117P0960C08281 SIC Code: 4952
Address: 345 EAST SHORE PARKWAY, NEW HAVEN, CT Latitude: 41.282927 Longitude: -72.897146
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	2 MW Emergency Generator #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0002	2 MW Emergency Generator #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0035	SEWAGE SLUDGE INCINERATOR	0.9	27.3	16.1	0.7	0.7	2.6	0.0	0.00008	6	143	84
P0053	BLR HB SMITH N2002-68	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0080	BLR HB SMITH N2002-67	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: AMETEK SPECIALTY METAL PRODUCT EIS ID: 2711211 CT ID: T189P0076C06012 SIC Code: 3356
Address: 21 TOELLES RD, WALLINGFORD, CT Latitude: 41.428697 Longitude: -72.840988
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0013	COMPACT MILL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	10 CUFT BLENDER- GEU1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	30 CUFT BLENDER- GEU1	0.0	0.0	0.0	2.8	2.8	0.0	0.0	0.00000	0	0	0
E0019	NX 1000 GRINDER #301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	POWDER SCREEN(SWECO WRHSE AREA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0021	SINTER FURNACE #1 NX- GEU2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0022	SWECO SCREEN #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0023	SWECO SCREEN #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0024	24"" SWECO SCREEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0028	STRIP BELT GRINDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0029	GRINDER ROTARY FINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0030	SINTER FURNACE (ANNEAL & CRUSH- GEU2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0031	SWECO SCREEN #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0032	60"" SWECO SCREEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0039	VAUGHGN WIRE DRAWING MACHINE 553-1- GEU3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0041	SLITTER #1- GEU5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
E0044	VAUGHGN WIRE DRAWING MACHINE 552- GEU3	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
E0045	SLITTER #2- GEU5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0046	SLITTER #12- GEU5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0086	Sunbeam Elevator 331-1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0087	Haper Elevator SN X37	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0088	Harper Sinter Elevator P25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0089	Drever Muffle Annealing S/N 379500	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0090	Radcon Bell Annealing Furnace	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0091	Drever Muffle Annealing S/N 3400	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	1	12	10
E0092	Drever Sinter S/N 3403	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	1	19	16
E0093	Drever Anealing Furnace S/N 3716	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	22	18
E0094	Miscellaneous Building Heaters	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0217	BARON BLAKESLEE DEGREASER- GEU4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	31	0	0
P0218	DREVER FURNACE IN-LINE DEGRSR- GEU4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0241	Ultra-Kool Vapor Degreaser	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	35	0	0

2017 Site Information:

Site Name: Equilon Enterprises, LLC d/b/a Shell Oil Products US EIS ID: 555511 CT ID: T117P0053C08822 SIC Code: 5171
Address: 481 EAST SHORE PARKWAY, NEW HAVEN, CT Latitude: 41.287515 Longitude: -72.901775
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0802	Non Reg Tanks	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	24	0	0
E0803	MISC Fuel Oil Combustion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0804	TANK #21 GAS	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	40	0	0
E0805	Diesel Sources, Generator and Two Fire Pumps	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0135	TANK #24 GAS	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	30	0	0
P0136	TANK #25 ETHANOL	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0137	TANK #26 GASOLINE	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
P0138	TANK #28 - ETHANOL	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0139	GASOLINE LOADING RACK	28.3	0.7	3.6	0.0	0.0	0.0	0.0	0.00000	160	4	22
R0198	TANK #29 GAS	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
R0199	TANK #30 - JP-8 (Domed External)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0200	TANK #31 GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0201	TANK #32 GAS (Domed External)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0202	TANK #33 GAS (Domed External)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0203	TANK #38 - LS Diesel	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
R0204	TANK 1 GASOLINE (Domed	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0205	TANK 2 GAS (Domed External)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0206	TANK 3 GAS (Domed External)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
U0001	UNREG MISC VOC EVAPORATION	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0

2017 Site Information:

Site Name: NEW HAVEN TERMINAL, INC EIS ID: 555611 CT ID: T117P0120C01457 SIC Code: 4226
Address: 100 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.289381 Longitude: -72.905298
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	TANK #7E- EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	TRUC LOADING RACK-DISTI/CHEMIC	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0005	TANK #16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	TANK #30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0430	TANK #1 -#2 OIL	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0431	TANK #2 - ULSD	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0432	TANK #3 - # 2 OIL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0433	TANK #4 - ULSD	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0434	TANK #6 - ULSD	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0435	TANK #7 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0436	TANK #8 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0438	TANK #13 -ULSD	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0439	TANK #14 -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0440	TANK #15 -ULSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0441	TANK #17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0442	TANK #18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0443	TANK #19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0444	TANK #20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0445	TANK #21 - ULSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0446	TANK #22	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0447	TANK #23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0448	TANK #24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0449	TANK #25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0450	TANK #26 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0451	TANK #27	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0452	TANK #28	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0453	TANK #29	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0454	TANK #1E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0455	TANK #2E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0456	TANK #3E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0457	TANK #4E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0458	TANK #5E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: SOMERS THIN STRIP EIS ID: 555711 CT ID: T192P0053C08474 SIC Code: 3351
Address: 215 PIEDMONT ST, WATERBURY, CT Latitude: 41.534843 Longitude: -73.034045
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	AIR MAKE-UP UNITS	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	#21 FURNACE ANNEALING LINE	0.1	1.3	1.1	0.1	0.1	0.0	0.0	0.00001	0	6	5
E0006	BLR CB CBLE700-250-150 #6	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0007	#26 Bell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	#21 FURNACE EMERGENCY GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	THINNING SOLVENTS: ALCOHOL	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	16	0	0
P0201	WWTP EMERGENCY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0247	FIRE PUMP EMERGENCY GENERATOR	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0638	BLR PREFERRED BHER80 #1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0640	BLR PREFERRED BHER150 #4	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.00000	0	3	3
R0808	#15 FURNACE AND DEGREASER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0813	#4 DEGREASING LINE -MC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0002	THINNING SOLVENTS: KEROSENE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0

2017 Site Information:

Site Name: DEVON POWER, LLC EIS ID: 590011 CT ID: T105P0014C07741 SIC Code: 4911
Address: 734 NAUGATUCK AVE, MILFORD, CT Latitude: 41.209171 Longitude: -73.107871
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0026	P&W FT4A-8 TURBINE #10	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.00003	0	112	1
P0040	GE LM6000 TURBINE #11	0.0	1.4	0.7	0.1	0.1	0.0	0.0	0.00007	1	142	70
P0041	GE LM6000 TURBINE #12	0.0	1.4	0.6	0.1	0.1	0.0	0.0	0.00007	0	133	73
P0042	GE LM6000 TURBINE #13	0.0	1.2	0.5	0.1	0.1	0.0	0.0	0.00007	0	97	58
P0043	GE LM6000 TURBINE #14	0.0	1.3	0.5	0.1	0.1	0.0	0.0	0.00004	1	117	51
P0098	GE LM6000PC TURBINE #15	0.0	0.6	0.0	0.3	0.3	0.0	0.1	0.00024	2	53	0
P0099	GE LM6000PC TURBINE #16	0.0	0.7	0.0	0.2	0.2	0.0	0.1	0.00026	2	46	0
P0100	GE LM6000PC TURBINE #17	0.0	0.5	0.0	0.3	0.3	0.0	0.1	0.00023	2	37	0
P0101	GE LM6000PC TURBINE #18	0.0	0.8	0.0	0.2	0.2	0.0	0.1	0.00029	2	48	0

2017 Site Information:

Site Name: PSEG FOSSIL LLC/ POWER CT LLC EIS ID: 643411 CT ID: T117P0551C08087 SIC Code: 4911
Address: 600 Connecticut Avenue, NEW HAVEN, CT Latitude: 41.287537 Longitude: -72.902968
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	SOLAR GS350 TURBINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0002	Cummins Emergency Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	2	25	5
E0003	Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0021	B&W STEAM GENERATOR 2	0.0	2.1	0.7	0.3	0.2	0.8	0.1	0.00017	0	5	2
P0031	C.E. STEAM GENERATOR 1	1.5	22.9	6.7	2.0	1.9	31.6	1.0	0.00005	262	833	1,197
P0373	50MW GE LM6000PC Combustion Turbine 1	0.1	0.5	0.2	0.0	0.0	0.0	0.1	0.00022	6	53	16
P0374	50MW GE LM6000PC Combustion Turbine 2	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00020	9	57	22
P0375	50MW GE LM6000PC Combustion Turbine 3	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.00016	8	66	21

2017 Site Information:

Site Name: Allnex USA, Inc EIS ID: 658111 CT ID: T189P0027C08763 SIC Code: 2821
Address: 528 S CHERRY & BALL STS, WALLINGFORD, CT Latitude: 41.434075 Longitude: -72.839613
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	MIXED ALCOHOLS RECOVERY, B-5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0004	CS-MISC. EMERGENCY GENERATORS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	RESINS COOLING TOWERS	0.0	0.0	0.0	4.0	4.0	0.0	0.0	0.00000	0	0	0
E0009	WELL #4 EMERG GENERATOR	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	ADIPIC ACID HOPPER, B-5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	KETTLE 150-1, B-5B	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0013	MIXING TANK 150-2, B-5B	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	FURNACE 608-1, B-5B	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0016	B. REACTOR 102-1, B-5B	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
E0017	METH/FORMALDEHYD RECOVERY, B-6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0018	REACTOR TRAINS 103, 104, 106	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	17	0	0
E0020	BLEND TANK 106-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0022	BLEND TANK 106-11	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0026	USTs 551 & 553 CYMEL 1133 Distillate (n-BuOH/MeOH) & Formaldehyde Enriched Butanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

Site Name: Allnex USA, Inc (Continues):

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0027	UNDRGRND STORAGE TANKS 511 512 Methanol	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0028	UST (T-561) Cymel 1133 Distillate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0031	200 Reactor Hot Oil Furnace	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.00000	0	3	2
E0032	MONMACT RTO	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0033	REACTOR TRAIN 200	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0034	Phenolic Resins Manufacturing Train	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0075	KOHLER 1500ROZD DIESEL	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0189	EMERG AIR COMPRESSOR ENGINE B2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0108	BLR MURRAY #1	0.3	4.2	5.3	0.5	0.5	0.0	0.2	0.00003	2	22	28
R0110	BLR RILEY #3	0.8	27.3	11.5	1.0	1.0	0.1	0.4	0.00007	4	101	55
R0150	REACTOR TRAINS	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
R0182	REACTOR TRAINS 61/62 & 65/68	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0201	REACTOR TRAIN 104-34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0001	ABOVE GROUND TANKS 502 & 503 Methyl Formcel & Formalin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0007	RESINS MISC, STORAGE TANKS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
U0008	RESINS MISC, FUGITIVES	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	10	0	0
U0009	CS-WWTP	30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	160	0	0
U0010	CS-LANDFILL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0011	CS-MISC. TKS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0012	CS-FUGITIVES	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0

2017 Site Information:

Site Name: MAGELLAN TERMINALS HOLDINGS,LP EIS ID: 843211 CT ID: T117P0519C07884 SIC Code: 4226
Address: 280 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.291137 Longitude: -72.902853
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0001	TRUCK LOAD RACK - DISTILLATE	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	25	0	0
E0002	TANK #208 -Jet Kerosene	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0003	TANK #213-DISTILLATE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	10	0	0
E0004	TANK #216-DISTILLATE	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0005	TANK #217-DISTILLATE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0006	TANK #1A -FUEL OIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	Equipment Fugitives - Product Distribution System	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0011	BOILER	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	Barge Dock Distillate Loading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	Tank # 218	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	42	0	0
E0018	Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0810	Tank # 202 - Gasoline	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	25	0	0

Site Name: MAGELLAN TERMINALS HOLDINGS,LP (Continued):

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
R0811	Tank # 215 - Gasoline	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	80	0	0
R0812	Tank # 209 - Gasoline	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	24	0	0
R0813	Tank # 212 - Gasoline	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	18	0	0
R0814	Tank # 210 - Gasoline	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
R0815	TRUCK LOAD RACK GASLNE & ETHNL	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	54	0	0
R0979	Tank # 206 - Ethanol	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R1005	Tank # 201 - Ethanol	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
R1006	Tank # 214 - Gasoline/ Naphtha	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	16	0	0

2017 Site Information:

Site Name: YALE UNIV /CENTRAL POWER PLT EIS ID: 843911 CT ID: T117P0048C00205 SIC Code: 8221

Address: 18 ASHMUN ST, NEW HAVEN, CT Latitude: 41.302416 Longitude: -72.928769

County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0006	EMU 21 POLICE EMERG GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	GEMU2 - Boilers =>5 MMBTU <10 MMBTU	0.0	0.8	0.7	0.1	0.1	0.0	0.0	0.00000	0	1	1
E0010	55 Lock St Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	4	2
E0011	DG-4 CATERPILLAR 3516C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0373	Temp Wabash Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0374	1022 Chapel St Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	8	2
E0375	67-81 Howe St Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	6	60	13
P0204	GE PGT-5/M TURBINE W/HRSG #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0205	GE PGT-5/M TURBINE W/HRSG #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0206	GE PGT-5/M TURBINE W/HRSG #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0207	MITSUBISHI MODEL S16R-PTA,CPG1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0208	MITSUBISHI MODEL S16R-PTA,CPG2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0209	MITSUBISHI MODEL S16R-PTA,CPG3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0210	BLR NEBRASKA 100K	0.0	1.3	0.5	0.1	0.1	0.0	0.0	0.00008	0	13	3
P0354	CUMMINS,NTA855-G2,300KW,HSC	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0371	BOILER #5	0.1	0.2	0.4	0.1	0.1	0.0	0.0	0.00002	0	0	0
P0372	BOILER #6	0.1	0.5	1.0	0.2	0.2	0.0	0.0	0.00006	0	0	1
P0377	Solar Taurus Model 70 Turbine 7.9 MW With Duct Burner	3.8	2.3	0.1	4.2	4.2	0.8	0.1	0.00011	24	11	0
P0378	Solar Taurus Model 70 Turbine 7.9 MW With Duct Burner	4.2	2.5	0.1	4.5	4.5	0.8	0.2	0.00013	27	13	0

2017 Site Information:

Site Name: MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave) EIS ID: 844411 CT ID: T117P0212C07884 SIC Code: 4226
Address: 134 FORBES AVE, NEW HAVEN, CT Latitude: 41.290215 Longitude: -72.901688
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TANK #11 - -Jet Kerosene	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	TANK #18 - DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0003	TANK #25 - DISTILLATE	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	TANK #26 - DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0005	PRODUCT DISTRIBUTION	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0007	Tank # 30 - Distillate	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	Tank # 31 - Distillate/Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	Tank # 32 - Distillate/Gasoline	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	Boiler No. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0046	Tank # 20 - Gasoline	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	58	0	0
P0125	Tank # 22 - Gasoline	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	16	0	0
P0154	Tank # 29 - Ethanol	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0167	Tank # 21 - Gasoline	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	24	0	0
P0363	Gasoline, Ethanol, & Distillate Loading Rack w. VCU	1.2	1.3	3.2	0.0	0.0	0.0	0.0	0.00000	9	7	18
P0625	Tank # 24 - Ethanol	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
P0627	Tank # 27 - Gasoline	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	37	0	0
P0628	Tank # 28 - Gasoline	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	25	0	0
R0908	Tank # 23 - Gasoline	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	49	0	0

2017 Site Information:

Site Name: NEW HAVEN TERMINAL, INC EIS ID: 897811 CT ID: T054P0005C01457 SIC Code: 4226
Address: 119 FRONTAGE RD, EAST HAVEN, CT Latitude: 41.288262 Longitude: -72.893392
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	Distillate loading rack	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0001	TANK #114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0007	TANK #101	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0008	TANK #102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0009	TANK #103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0010	TANK #104	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
R0011	TANK #107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0012	TANK #108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0013	TANK #109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0014	TANK #110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0015	TANK #105	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
R0016	TANK #106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0001	TANK #111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0002	TANK #112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0003	TANK #113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0004	TANK #115	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0

2017 Site Information:

Site Name: NAUGATUCK POTW EIS ID: 898011 CT ID: T109P0011C01307 SIC Code: 4952
Address: 500 CHERRY ST, NAUGATUCK, CT Latitude: 41.470333 Longitude: -73.053958
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	UNDERGROUND STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0081	ZIMPRO FLUIDIZED BED SSI	1.3	35.4	15.0	0.3	0.3	17.7	0.0	0.00262	7	194	82

2017 Site Information:

Site Name: YALE UNIV, SCHOOL OF MEDICINE EIS ID: 898111 CT ID: T117P0049C00205 SIC Code: 8221

Address: 330 CEDAR STREET, NEW HAVEN, CT Latitude: 41.302913 Longitude: -72.93285

County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	CATERPILLAR GENERATOR 3516B (SPP)	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	15	4
E0002	CATERPILLAR 3412, 500KW (YPI)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	7	2
E0006	CATERPILLAR GENERATOR 3516 (TAC)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	9	2
E0008	BINKS 2001 HVLP SPRAYBOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0099	AMISTAD EMERGENCY GENERATOR	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	0	17	5
E0100	100 Church St. South Boilers	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0105	BLR B&W #FM103-70 #8	0.0	1.2	1.0	0.2	0.2	0.2	0.0	0.00001	0	5	5
P0220	BLR NEBRASKA # NS-F-76 # 10	0.0	1.2	0.4	0.2	0.2	0.2	0.0	0.00002	0	7	3
P0223	KOHLER 60RZ, 60KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0225	CUMMINS VTA28-GS1, 500KW (YPB)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0326	BLR NEBRASKA #NS-F-76 #9	0.0	1.0	0.1	0.2	0.2	0.3	0.0	0.00001	0	7	1
P0329	MITSUBISHI S12 H-PTAEG, MSG10 (SHMB)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	8	1
P0330	724HP MITSUBISHI S6A3-PTAEGS (BRADY)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
P0332	224HP MITSUBISHI6D24-TEG,MSG13 (SHMI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0355	BLR NEB NOS-2A-81-ECON#11	0.0	1.4	0.3	0.2	0.2	0.2	0.0	0.00002	0	8	2
P0369	SPP COGEN UNIT #100	1.3	2.3	1.7	2.2	2.2	0.8	0.3	0.00012	4	12	6
P0370	SPP COGEN UNIT #200	1.8	2.3	1.0	1.8	1.8	0.8	0.2	0.00011	3	14	0

2017 Site Information:

Site Name: GULF OIL L.P. EIS ID: 918711 CT ID: T117P0088C06566 SIC Code: 5171
Address: 428-500 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.29544 Longitude: -72.90342
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TANK #110 - ETHANOL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0241	TRUCK LOAD RACK - GAS	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	203	0	0
P0243	TANK #113 - NL GAS	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	38	0	0
P0352	STORAGE TANK #112	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
P0353	STORAGE TANK #114	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	25	0	0
R0298	TANK #101 - NL GAS	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	26	0	0
R0301	TANK #103 - SNL GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0307	TANK #108 - SNL GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0309	TANK #109 - SNL GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0312	TANK #111 - NL GAS	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	43	0	0
R0317	TANK #115 - ETHANOL	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0

2017 Site Information:

Site Name: The Gilman Brothers Company EIS ID: 15588311 CT ID: T013P0001C00362 SIC Code: 3089
Address: Gilman Rd PO Box 38, BOZRAH, CT Latitude: 41.578698 Longitude: -72.197885
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0005	Cleaver Brooks Boiler	0.0	0.7	0.2	0.1	0.1	0.7	0.0	0.00004	0	4	1
P0007	FOAM EXTRUSION LINE	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	342	0	0

2017 Site Information:

Site Name: AMERICAS STYRENICS, LLC EIS ID: 15588411 CT ID: T092P0002C08497 SIC Code: 2821
Address: 1761 RTE 12, LEDYARD, CT Latitude: 41.442506 Longitude: -72.081672
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Emissions from Breathing and Filling Storage Tanks	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	28	0	0
E0040	Fire System Pump Diesel - Bldg. 41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0042	Fire System Pump Diesel - Bldg. 47	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0043	Fugitive Equipment Leaks	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
E0044	Silos	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.00000	0	0	0
E0045	Parts Washer	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0006	DOWTHERM HEATER A	0.1	3.7	1.2	0.3	0.3	0.0	0.0	0.00005	1	21	7
P0007	DOWTHERM HEATER B	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.00001	0	5	4
P0010	PLANT E and G - POLYSTYRENE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0019	DETROIT DIESEL #9163-34167418	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1

2017 Site Information:

Site Name: Trinseo LLC - Allyn's Point EIS ID: 15588511 CT ID: T092P0002C08661 SIC Code: 2821
Address: 1761 RTE 12, LEDYARD, CT Latitude: 41.440707 Longitude: -72.081753
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0040	Bldg 41 Emergency Engine and Firewater pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0042	Bldg 47 Emergency Engine and Firewater pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0

2017 Site Information:

Site Name: Tunnel Station EIS ID: 16708111 CT ID: T150P0001C08542 SIC Code: 4911
Address: 72 Roosevelt Drive, PRESTON, CT Latitude: 41.55316 Longitude: -72.041927
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0001	P&WA FT4A-8 TURBINE	0.0	0.9	0.0	0.0	0.0	0.1	0.0	0.00002	0	269	1

2017 Site Information:

Site Name: NORWICH PUBLIC UTIL/ELECT EIS ID: 16708211 CT ID: T139P0105C06101 SIC Code: 4911
Address: 16 S GOLDEN ST, NORWICH, CT Latitude: 41.524899 Longitude: -72.063589
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0137	ROLLS ROYCE GAS TURB OIL-FIRED	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.00004	0	244	1

2017 Site Information:

Site Name: U S NAVAL SUBMARINE BASE NEW LONDON EIS ID: 2661611 CT ID: T070P0028C00800 SIC Code: 9711
Address: RTE 12-CRYSTAL LAKE RD, GROTON, CT Latitude: 41.398517 Longitude: -72.087231
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	EMERGENCY ENGINES/SEC.3B(E)	0.2	2.0	0.4	0.1	0.1	0.1	0.0	0.00000	1	7	1
E0002	3 EMERGENCY	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0007	MISC. EMERGENCY ENGINES	0.2	1.8	0.4	0.1	0.1	0.1	0.0	0.00000	1	6	1
E0008	MISC NON-EMERGENCY ENGINES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	MISC. SOLVENT CLEANERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	B38 PAINT BOOTH FOR WOOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	PAINT BOOTH: FIBERGLASS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	MISC. COATING WORK BOOTH B456	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	PLASTISOL TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	BUILDING 40 BAKE OVEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	MISC COATING SUBJECT TO NESHAP	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
E0016	BLDG 428 GASOLINE DISPENSING	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
E0017	OTHER MISC METAL COATING	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	Methylene Chloride	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0019	ELECTOSTAT. POWDER COAT SPRUCE BARGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	PAINT BOOTH PORT	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0021	SMALL BOILERS	0.1	2.0	1.0	0.2	0.2	0.0	0.0	0.00007	0	11	5
P0096	TG6 TURBINE W/ HRSG	4.9	21.3	25.5	1.7	1.7	0.1	0.5	0.00000	36	117	48
P0228	ELECTOSTAT. POWDER COAT - B174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0231	ABRASIVE BLAST BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0238	AIRLESS AIR-ASSISTED SPRAY BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0279	Cleaver Brooks Model CBL-LN Boiler #1s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

Site Name: U S NAVAL SUBMARINE BASE NEW LONDON (Continued):

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0283	Cleaver Brooks Model CBL-LN Boiler #4	0.2	0.4	1.2	0.3	0.3	0.0	0.1	0.00002	0	1	3
P0285	Caterpillar C27 Diesel Generator Set	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0286	Caterpillar C27 Diesel Generator Set	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0003	COATING: ENAMEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0004	THINNING SOLVENTS: ETHYL ALCOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0005	THINNING SOLVENTS: MINERAL SPI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0006	THINNING SOLVENTS: XYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0007	COLD SOLVENT CLEANING: 111 TRI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: WestRock EIS ID: 2662011 CT ID: T107P0004C08708 SIC Code: 2631
Address: 125 Depot Rd, MONTVILLE, CT Latitude: 41.4337 Longitude: -72.0978
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0008	BLR UNION/RILEY 23235	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0058	Rentech 170 MMBTU per Hour Nat Gas Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0035	PAPER MACHINE-FOURDRINIER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: MONTVILLE POWER, LLC EIS ID: 552611 CT ID: T107P0005C07741 SIC Code: 4911
Address: 74 LATHROP RD, MONTVILLE, CT Latitude: 41.427668 Longitude: -72.100287
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0012	FOSTER WHEELER AG-560 #7	0.1	2.1	0.8	0.2	0.2	0.0	0.1	0.00002	3	44	17
P0013	FOSTER WHEELER AG-560 #8	0.3	5.2	1.8	0.4	0.4	0.0	0.2	0.00003	3	47	17
P0032	CUMMINS FIRE PUMP	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
R0017	BLR C.E. #5	0.6	14.3	3.1	0.3	0.3	15.0	0.5	0.00050	31	449	134
R0020	BLR C.E. #6	1.0	39.5	6.4	7.3	7.3	54.7	1.0	0.00192	87	3,602	583
R0021	GM DIESEL ENGINE 10	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
R0022	GM DIESEL ENGINE 11	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0

2017 Site Information:

Site Name: Millstone Power Station EIS ID: 590111 CT ID: T199P0003C08003 SIC Code: 4911
Address: ROPE FERRY RD, WATERFORD, CT Latitude: 41.30867 Longitude: -72.167681
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0007	COLD PARTS CLEANING OPERATIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	EDG Cummins DFEK	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0010	Emergency Diesel Fire Pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0011	Emergency Diesel Generator Engine "EOF"	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0012	Emergency Propane Generator Engine for Meteorological Tower	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	Kohler Sewer Pump Propane Emergency Generator Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	Kohler Security AVB Propane Emergency Generator Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	IR750 – U2 Intake Diesel Compressor Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	IR260 – Painter's/Motorpool Diesel Compressor Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	Gasoline/Diesel Dispensing Facility	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0018	R.O.B. Heating Boiler	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00001	0	0	0
E0021	John Deere Instrument Air Backup Compressor	0.3	0.4	0.7	0.0	0.0	0.2	0.0	0.00000	0	1	0
P0007	BOILER B&W FM10-79 #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0008	BLR B&W FM10-79 #2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00001	0	0	0
P0009	COLT PC2 DIESEL A	0.2	5.8	2.4	0.2	0.2	0.0	0.0	0.00000	1	36	15
P0010	COLT PC2 DIESEL B	0.1	2.4	1.0	0.1	0.1	0.0	0.0	0.00000	1	19	8
P0017	ELECTRO-MOTIVE 2MW GENERATOR	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	9	2
P0043	FIRE TRAINING FACILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0055	F-M 38TD8 1/8 DIESEL 12U	0.1	1.4	0.5	0.0	0.0	0.0	0.0	0.00000	0	6	2
P0056	F-M 38TD8 1/8 DIESEL 13U	0.1	1.7	0.6	0.0	0.0	0.0	0.0	0.00000	0	8	2
P0060	VOLVO TWD 1630G EMERG ENGINE	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: COVANTA SOUTHEASTERN CT CO EIS ID: 754611 CT ID: T150P0012C06032 SIC Code: 4953
Address: 132 MILITARY HWY, PRESTON, CT Latitude: 41.473655 Longitude: -72.067102
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	CAT 3412 DIT DIESEL-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	69	18
P0001	DBA REFUSE INCIN #1	0.1	182.6	37.3	0.5	0.0	15.7	2.1	0.00466	8	1,056	216
P0002	DBA REFUSE INCIN #2	0.2	184.7	32.6	0.7	0.0	8.8	2.9	0.02241	6	1,009	178

2017 Site Information:

Site Name: WHEELABRATOR LISBON INC EIS ID: 8501611 CT ID: T093P0014C08786 SIC Code: 4953
Address: 425 S BURNHAM HWY, LISBON, CT Latitude: 41.583775 Longitude: -72.041729
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	EMERGENCY FIRE PUMP	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	2	18	4
E0002	EMERGENCY GENERATOR (LIFT STATION)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	LIME SILO W/FF VENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	2 LIME SLAKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	COOLING TOWER	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.00000	0	0	0
P0008	281 TPD MSW INCINERATOR #1	0.2	135.4	7.9	4.4	4.4	4.7	0.4	0.00046	1	770	45
P0009	281 TPD MSW INCINERATOR #2	0.3	131.4	6.6	4.8	4.8	6.1	0.5	0.00133	2	756	38
P0010	ASH CONDITIONER/HANDLING SYSTEM	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: PFIZER INC EIS ID: 921211 CT ID: T070P0004C00089 SIC Code: 8731

Address: 445 EASTERN POINT RD, GROTON, CT Latitude: 41.327054 Longitude: -72.074887

County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0005	B274-2 CATERPILLAR SR4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	2	21	5
E0007	B260-1 ONAN/CUMMINS 80 ENAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	B295-1 KOHLER 135 RZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0009	B185-1 KOHLER 30 RZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	1	1
E0010	B90 #EG-1 EMER GENERATOR (B90)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0013	B114A #EG-4 EMER GENERATOR (B114)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	B230-1 CATERPILLAR 3516B	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	3	126	33
E0022	WASTEWATER EQUALIZATION BASIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0023	B274S-3 CATERPILLAR 3406	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	3	34	7
E0024	B60 FIRE DEPT GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0027	BLR HURST 400 #S4-G-600-150	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.00000	7	104	107
E0028	B156A-1 KOHLER 600 ROZD	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	38	10
E0031	B296-1 ONAN 60DGCB DIESEL/C RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0033	B257-1 CATERPILLAR G3412 SITA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0034	EQ Basin ONAN 150 DGFA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	13	3
E0035	B220-1 CUMMINS ONAN GTA/GS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	0
E0037	B101 EG - 12 EMER GENERATOR (B 101)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0039	B58 PGM EMERG FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0040	B195 Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	24	5
E0041	B118E-3 EG Caterpillar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0042	B156A-2 Caterpillar D100-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	7	2
E0044	B257-2 750kW Caterpillar	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	27	1
E0045	Fuel Cell	0.4	0.2	2.1	0.0	0.0	0.0	0.0	0.00000	2	1	11
P0268	SOLAR MARS 100S TURBINE + DB	2.3	4.2	0.3	3.0	3.0	1.4	0.8	0.00008	12	22	2
R0007	BLR CE #1 (101-1)	0.7	18.4	10.6	1.0	1.0	0.1	0.0	0.00009	2	48	29
R0008	BLR CE #2 (101-1)	0.9	19.2	13.5	1.2	1.2	0.1	0.0	0.00008	8	195	117
R0009	BLR CE #3 (101-2)	0.4	8.2	6.2	0.6	0.6	0.0	0.0	0.00004	1	18	11

2017 Site Information:

Site Name: ELECTRIC BOAT CORP EIS ID: 922211 CT ID: T070P0005C00046 SIC Code: 3731
Address: 75 EASTERN POINT RD, GROTON, CT Latitude: 41.343369 Longitude: -72.078936
County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	MANUAL ADHESIVE APPL(FACILITY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	BUILDING 51 (SILICA SAND)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	PARTSWASHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0008	BLR SUPERIOR 350HP #2N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0032	BLR B&W FMD 640 #4M	0.1	0.5	0.9	0.1	0.1	0.0	0.0	0.00001	0	0	0
P0055	BLR SUPERIOR 150HP #1S	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.00000	0	0	0
P0094	LAND LEVEL FACILITY	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	97	0	0
P0144	KOHLER 180ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0145	KOHLER 50ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0146	KOHLER 50ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0147	KOHLER 100ROZ277 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0148	KOHLER 100ROZ277 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0149	KOHLER 70ROZ272 PROPANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0150	CATERPILLAR D398A GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0152	KOHLER 250ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0153	KOHLER 250ROZ273 DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0241	SPRAY BOOTH (BLDG 51)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0255	BUILDING 212 BLASTEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0257	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0258	250 KW MAGNE TEK DIESEL GEN	0.0	0.4	0.1	0.0	0.0	0.1	0.0	0.00000	0	0	0
P0259	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0260	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0261	KOHLER MODEL 125ROZ DIESEL	0.0	0.0	0.0	0.0	0.0		0.0	0.00000	0	0	0
P0262	KOHLER 50ROZJ SERIAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0269	EB-33 BLASTING CABINET, BUILDING 129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0280	ABRASIVE BLAST ROOM - Building 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0284	Babcock Wilcox FMO-66 Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0057	BLR SUPERIOR 200HP #1N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0066	BLR B&W FM 40K#/H #3M	0.2	3.1	2.4	0.2	0.2	0.0	0.1	0.00002	0	0	0
R0067	BLR B&W FM 60K#/H #2M	0.2	5.6	3.2	0.3	0.3	0.1	0.1	0.00002	0	0	0
R0068	BLR SUPERIOR 350HP #1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0074	BLR SUPERIOR 250HP #2S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0075	EB-15 WHEELABRATOR 96/BLDG 212	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0094	EB-22 GRIT BLAST-SHIP HULL/GD2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0095	EB-23 HULL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0227	SPRAY PAINTING B#212	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: UNIV OF CT / STORRS EIS ID: 642611 CT ID: T098P0015C01138 SIC Code: 8221
Address: 31 LEDOYT RD, U-3055, MANSFIELD, CT Latitude: 41.808868 Longitude: -72.256481
County: TOLLAND Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	KHOLER 450 KW DIESEL SO CAMPUS Generator	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	1	20	5
E0003	WAUKESHA CHILLER ENGINE SO Campus Chiller	0.1	0.4	0.5	0.0	0.0	0.0	0.0	0.00000	2	6	7
E0005	CUMMINS 35 KW GENERATOR-POULTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	3
E0056	CUMMINS 250 DIESEL ELEC MOBILE	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0057	ONAN 250 DYB4RS DSL GANT CMPX (IMS)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0062	CUMMINS 375KW DSL HIHEAD WATER	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	1	47	13
E0568	CUMMINS 325KW NG AG-BIO Generator	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	9	8
E0584	CATERPILLAR 150KW LPG ALUMNI Quad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0585	KOHLER 65 KW LPG-BUCKLEY HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0586	KOHLER 60 KW LPG-SHIPPEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0587	ONAN 35 KW LPG-MCMAHON HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0588	CATERPILLAR 100KW NG CAPSTONE	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0591	KOHLER 17 KW NG HILLTOP Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0592	CATERPILLAR 1500kW DSL BLKSTRT	0.0	0.7	0.2	0.0	0.0	0.0	0.0	0.00000	1	23	6
E0593	60KW CUMMINS NG WPCF FOOTBALL CMPLX GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0594	250KW CUMMINS NG TOWERS Generator	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	1	19	18
E0595	NG BOILERS HILLTOP APTS (12) EMU-611-622	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.00000	0	0	1
E0596	NG EQUIP HILLTOP CHARTER OAK EMUs-623-1185	0.1	1.0	0.4	0.1	0.1	0.0	0.0	0.00001	0	1	0
E0597	NG SMITH DW-1810 BLR HILLTOP Suites	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0

Site Name: UNIV OF CT / STORRS (Continued):

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0599	Putnam #1 Weil-McLain NG BLR 6.65 MMBtu/hr	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0600	Putnam #2 Weil-McLain NG BLR 6.65 MMBtu/hr	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0601	Public Safety CATERPILLAR 175kW DIESEL Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0602	WilliWellfield Chem Bldg CATERPILLAR 600kW DIESEL Generator	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0603	Reclaimed Water Facility MTU 500kW DIESEL Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0604	Floriculture Bld Olympian 150 kW LPG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	1	3	2
E0605	President's Residence Generac 20 kW NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0606	BIO #4 NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	6	5
E0607	ELLSWORTH NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0608	HALE NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0610	NEW ATWATER LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	3	3
E0612	E-PROJECT (Hollister Hall) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0613	ENG 3 LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0614	FACILITIES OPS LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0616	HICKS/GRANGE LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0617	New Fine Arts (NFA) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0618	Rosebrooks House LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0619	WHITNEY Hall NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	3
E0620	JORG AUDIT Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0621	Wastewater Treatment	0.0	1.3	0.3	0.2	0.1	0.0	0.1	0.00008	0	7	2
E0622	FIELDHOUSE Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0623	ICE RINK FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0624	HORSE BARN LIFT STATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0625	SOCCER FIELD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0626	Young Building NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	4	4
E0627	Basketball Training Facility NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0628	Infirmary Mobile Diesel Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0629	WHUS Radio Diesel Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0630	Taylor Mobile Diesel Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0631	Putnam Generac MG400 NG Generator #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	1
E0632	Putnam Generac MG400 NG Generator #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	1

Site Name: UNIV OF CT / STORRS (Continued):

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0633	Putnam Generac MG400 NG Generator #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	1
E0634	Next Generation Residence Hall Heating Equipment	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.00000	0	0	1
E0635	Gurleyville Cummins 450DFEJ Diesel Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	7	2
E0636	Northwood Apartments Heating Equipment (Various)	0.1	0.5	1.6	0.1	0.1	0.0	0.0	0.00001	0	0	0
E0637	Generac SB100 100 KW NG MAA Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
E0638	400 kW Caterpillar Model G3412C LE natural gas fired emergency	0.3	6.3	0.9	0.0	0.0	0.0	0.0	0.00000	9	211	30
E0639	60 kW Generac Model C60 NG natural gas fired emergency generator	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	1	14	2
E0640	150 kW Generac Model QT150 natural gas fired emergency generator	1.0	25.7	3.6	0.2	0.2	0.0	0.0	0.00000	3	71	10
E0641	Next Generation Connecticut Hall Heating Equipment	0.1	1.4	1.2	0.1	0.1	0.0	0.0	0.00001	2	30	25
E0642	Innovation Partnership Heating Equipment (Various Boilers)	0.2	3.5	3.0	0.3	0.3	0.0	0.0	0.00002	4	71	60
P0011	KOHLER DIESEL 350KW BEACH BLDG	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
P0012	KOHLER DIESEL 600KW PSYC BLDG	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	11	3
P0015	KOHLER 150ROZJ DIESEL BIO4 ANX	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0018	CUMMINS NT855 DIESEL 230KW Gampel	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0019	KOHLER 400KW DIESEL FENTON RVR	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	7	2
P0024	#1 MITSUBISHI 1250kW GEN CHP	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.00000	1	30	8
P0025	#2 MITSUBISHI 1250kW GEN CHP	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.00000	1	33	9
P0026	B & W BOILER #9	0.0	1.0	0.1	0.2	0.2	0.0	0.0	0.00003	0	0	0
P0027	WAUKESHA CHILLER ENG #1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.00000	1	2	0
P0028	WAUKESHA CHILLER ENG #3	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.00000	2	2	1
P0032	KOHLER 230 ROZD DIESEL COMMISSARY	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	6	1
P0033	CATERPILLAR 3412 DIESEL	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1

Site Name: UNIV OF CT / STORRS (Continued):

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
P0035	ONAN 35DGBB Diesel WPCF Eastwood Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0036	ONAN 35DGBB DIESEL WPCF MANSFIELD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0037	ONAN 35DGBB DIESEL WPCF Northwood	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0038	DETROIT DIESEL 100DS NO CAMPUS Parking Garage	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0043	KOHLER 150ROZJ DIESEL Fieldhouse Fire Pump	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0054	ONAN 500 KW DIESEL GEN/WasteWaterTrtmntPlant	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0056	SOLAR TAURUS 70 TURBINE #1 &DB	1.2	2.4	5.4	5.3	5.3	0.8	2.1	0.00008	6	15	37
P0061	SOLAR TAURUS 70 TURBINE #2 &DB	0.9	2.1	4.9	4.8	4.8	0.7	2.0	0.00003	4	10	24
P0062	SOLAR TAURUS 70 TURBINE #3 &DB	1.3	2.6	5.8	5.6	5.6	0.8	2.4	0.00008	5	14	33
R0014	BLR BIGELOW #1	0.1	3.4	1.6	0.2	0.2	0.0	0.0	0.00003	0	1	1
R0015	BLR BIGELOW #2	0.1	3.9	1.9	0.2	0.2	0.0	0.0	0.00002	0	1	1
R0016	BLR BIGELOW #3	0.1	3.3	1.6	0.2	0.2	0.0	0.0	0.00004	0	0	0
R0020	BLR BIGELOW #7	0.1	2.4	1.0	0.1	0.1	0.0	0.0	0.00002	0	0	0

2017 Site Information:

Site Name: PLAINFIELD RENEWABLE ENRGY LLC EIS ID: 16734111 CT ID: T145P0074C08464 SIC Code: 4911
Address: 12 Mill Brook Road, PLAINFIELD, CT Latitude: 41.763099 Longitude: -72.678796
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0002	Emergency Generator - Cummins DFEK Reciprocating Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	Pump House - Cummins DSGAC Reciprocating Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0004	Fire Pump - Clarke JU4H-UFADY8 Diesel Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0049	Biomass Fluidized Bed Gasification Plant	1.2	79.5	38.9	18.1	18.1	0.5	0.0	0.00257	3	477	146

2017 Site Information:

Site Name: FRITO-LAY INC EIS ID: 2765911 CT ID: T089P0065C07514 SIC Code: 2096
Address: 1886 UPPER MAPLE ST, KILLINGLY, CT Latitude: 41.859259 Longitude: -71.891438
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	FIRE PUMP #1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0005	LINE #4 COOKER	0.2	0.0	0.0	0.3	0.1	0.0	0.0	0.00000	1	0	0
E0006	LINE #5 COOKER	0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.00000	1	0	0
E0007	LINE #6 COOKER	0.7	0.0	0.0	1.9	0.4	0.0	0.0	0.00000	4	0	0
E0008	LINE #6 COOLER	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.00000	0	0	0
E0009	LINE #4 OVEN	0.1	1.1	0.9	0.1	0.1	0.0	0.0	0.00001	0	7	6
E0010	LINE #5 OVEN A & B	0.1	2.3	1.9	0.2	0.2	0.0	0.1	0.00001	1	12	10
E0011	LINE #6 OVEN A & B	0.1	2.3	1.9	0.2	0.2	0.0	0.1	0.00001	1	12	10
E0012	LINE #7 POPPER	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0013	GRAIN HNDLNG-RECEIVING/STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	GRAIN HANDLING-TRANSFER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	GRAIN HANDLING-CLEANING	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00000	0	0	0
E0017	PUMP HOUSE # 1 HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	LOGISTICS FURNACE 1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	PROPANE VAPORIZER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0012	LINE #1 COOKER	0.2	0.0	0.0	4.5	0.7	0.0	0.0	0.00000	1	0	0
P0013	LINE #3 COOKER	0.3	0.0	0.0	1.0	0.4	0.0	0.0	0.00000	2	0	0
P0025	BLR CB-D60 #1	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0026	BLR CB-D60 #2	0.1	2.1	2.0	0.1	0.1	0.0	0.1	0.00001	1	16	16
P0027	BLR CB-D60 #3	0.0	0.6	2.0	0.1	0.1	0.0	0.0	0.00000	0	5	16
P0028	LINE #2 COOKER	0.1	0.0	0.0	3.9	0.6	0.0	0.0	0.00000	1	0	0
P0039	Starch Dryer No. 1	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.00000	0	0	0
P0105	SOLAR CENTAUR 50-6200S CHP	18.9	2.6	6.2	2.1	2.1	0.2	0.2	0.00006	117	14	46
P0106	Starch Dryer No. 2	0.0	0.0	0.1	1.0	1.0	0.0	0.0	0.00000	0	0	0
U0001	COLD SOLVENT CLEANING: STODDARD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: Empire Tire Of Edgewater II LLC EIS ID: 2766111 CT ID: T176P0005C08801 SIC Code: 4911
Address: 10 EXETER DR, STERLING IND PRK, STERLING, CT Latitude: 41.709691 Longitude: -71.822223
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0001	STANDARD KESSEL INC/BLR B1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0002	STANDARD KESSEL INC/BLR B2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0003	CUMMINS 1100KW KTA52 DIESEL #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION (Chaplin) EIS ID: 751611 CT ID: T034P0002C08483 SIC Code: 4922
Address: 539 TOWER HILL RD, CHAPLIN, CT Latitude: 41.814647 Longitude: -72.161132
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	KEWANEE 1.1 MMBTU/HR GLYCOL HT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	UNREG VOC FUGITIVE EMISSIONS	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	41	0	0
E0004	WAUKESHA VGF36GL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	3	3
P0001	SOLAR T7000 GAS TURBINE #1	0.4	2.9	12.7	0.4	0.4	0.2	0.0	0.00000	0	0	0
P0002	SOLAR T7000 GAS TURBINE #2	0.4	5.1	10.1	0.4	0.4	0.2	0.0	0.00000	0	0	0
P0006	Solar Taurus 60-7802 turbine (simple cycle)	0.1	1.9	4.5	0.2	0.2	0.3	0.0	0.00000	2	31	109
P0007	Solar Taurus 60-7802 turbine (simple cycle)	0.2	1.4	1.6	0.3	0.3	0.6	0.0	0.00000	0	0	0
P0008	Solar Taurus 60-7802 turbine (simple cycle)	0.2	1.4	1.4	0.3	0.3	0.6	0.0	0.00000	0	0	0
P0009	Solar Centaur 50-6202 turbine (simple cycle)	0.1	0.6	1.7	0.1	0.1	0.3	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: LAKE ROAD GENERATING CO, LLC EIS ID: 844711 CT ID: T089P0080C07442 SIC Code: 4911
Address: 56 ALEXANDER PARK WAY, KILLINGLY, CT Latitude: 41.870861 Longitude: -71.895575
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0067	ABB COMBUSTION TURBINE #1	3.2	40.6	40.0	19.8	19.8	3.1	45.0	0.00000	17	246	207
P0068	ABB COMBUSTION TURBINE #2	4.4	41.2	19.6	31.1	31.1	3.5	37.0	0.00000	21	224	98
P0069	ABB COMBUSTION TURBINE #3	5.1	33.3	17.7	22.7	22.7	3.3	12.0	0.00000	31	188	103
P0070	GPEE DIESEL FIRE PUMP	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0071	GPEE DIESEL #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
P0072	GPEE DIESEL #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0073	GPEE DIESEL #3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0079	ABOVE GROUND STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2017 Site Information:

Site Name: Sonoco Protective Solutions, Inc EIS ID: 844811 CT ID: T152P0008C05365 SIC Code: 3086
Address: 29 PARK RD, PUTNAM, CT Latitude: 41.89428 Longitude: -71.895428
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2017 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	BLR CB 200-200	0.0	0.7	0.6	0.1	0.1	0.0	0.0	0.00000	0	7	6
E0002	BLR CB 400-200	0.0	0.8	0.7	0.1	0.1	0.0	0.0	0.00000	0	8	6
E0003	BLR CB 200-150	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.00000	0	9	7
P0017	POLYSTYRENE FOAM MOLDING	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	173	0	0

Appendix D Allocation Factors

Table D-1: SCC with PEI Section, EPA Data Category and Summer Day Allocation Method

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
Section 2.0				
Point	All 8 digit SCCs	Point	Various	Data
Section 3.0				
ONROAD	22-01-11-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Motorcycle - All on and off-network processes except refueling	Data
ONROAD	22-01-21-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-01-31-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-32-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Light Commercial Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-42-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-01-43-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-01-51-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Refuse Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-52-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-01-53-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-54-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-01-61-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-21-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-02-31-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-32-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Light Commercial Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-41-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Other Buses - All on and off-network processes except refueling	Data
ONROAD	22-02-42-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-02-43-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-02-51-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Refuse Truck - All on and off-network processes except refueling	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-02-52-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-53-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-54-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-02-61-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-62-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Combination Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-42-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-05-21-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-05-31-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-05-32-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Light Commercial Truck - All on and off-network processes except refueling	Data
NONROAD Agricultural Equipment	22-60-005-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Agricultural Equipment - Sprayers	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Agricultural Equipment	22-65-005-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - 2-Wheel Tractors	Data
NONROAD Agricultural Equipment	22-65-005-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Agricultural Tractors	Data
NONROAD Agricultural Equipment	22-65-005-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Balers	Data
NONROAD Agricultural Equipment	22-65-005-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Agricultural Mowers	Data
NONROAD Agricultural Equipment	22-65-005-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Sprayers	Data
NONROAD Agricultural Equipment	22-65-005-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Tillers > 6 HP	Data
NONROAD Agricultural Equipment	22-65-005-045	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Swathers	Data
NONROAD Agricultural Equipment	22-65-005-055	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Other Agricultural Equipment	Data
NONROAD Agricultural Equipment	22-65-005-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Irrigation Sets	Data
NONROAD Agricultural Equipment	22-68-005-055	Nonroad	Mobile Sources - CNG - Agricultural Equipment - Other Agricultural Equipment	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Agricultural Equipment	22-68-005-060	Nonroad	Mobile Sources - CNG - Agricultural Equipment - Irrigation Sets	Data
NONROAD Agricultural Equipment	22-70-005-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - 2-Wheel Tractors	Data
NONROAD Agricultural Equipment	22-70-005-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Agricultural Tractors	Data
NONROAD Agricultural Equipment	22-70-005-020	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Combines	Data
NONROAD Agricultural Equipment	22-70-005-025	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Balers	Data
NONROAD Agricultural Equipment	22-70-005-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Agricultural Mowers	Data
NONROAD Agricultural Equipment	22-70-005-035	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Sprayers	Data
NONROAD Agricultural Equipment	22-70-005-045	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Swathers	Data
NONROAD Agricultural Equipment	22-70-005-055	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Other Agricultural Equipment	Data
NONROAD Agricultural Equipment	22-70-005-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Irrigation Sets	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Aircraft	22-75-00-1000	Point	Mobile Sources - Aircraft - Military Aircraft - Total	Data
NONROAD Aircraft	22-75-02-0000	Point	Mobile Sources - Aircraft - Commercial Aircraft - Total: All Types	Data
NONROAD Aircraft	22-75-05-0011	Point	Mobile Sources - Aircraft - General Aviation - Piston	Data
NONROAD Aircraft	22-75-05-0012	Point	Mobile Sources - Aircraft - General Aviation - Turbine	Data
NONROAD Aircraft	22-75-06-0011	Point	Mobile Sources - Aircraft - Air Taxi - Piston	Data
NONROAD Aircraft	22-75-06-0012	Point	Mobile Sources - Aircraft - Air Taxi - Turbine	Data
NONROAD Aircraft	22-75-07-0000	Point	Mobile Sources - Aircraft - Aircraft Auxiliary Power Units - Total	Data
NONROAD Aircraft	22-75-087-000	Nonpoint	Mobile Sources - Aircraft - In-flight (non-Landing-Takeoff cycle) - Total	No Annual CO, VOC or NOx
NONROAD Airport Equipment	22-60-00-8005	Point	Mobile Sources - Off-highway Vehicle Gasoline - Airport Ground Support Equipment - 2-Stroke Airport Ground Support Equipment	No Annual CO, VOC or NOx
NONROAD Airport Equipment	22-65-00-8005	Point	Mobile Sources - Off-highway Vehicle Gasoline - Airport Ground Support Equipment - 4-Stroke Airport Ground Support Equipment	Data
NONROAD Airport Equipment	22-67-00-8005	Point	Mobile Sources - Off-highway Vehicle LPG - Airport Ground Support Equipment - LPG Airport Ground Support Equipment	No Annual CO, VOC or NOx
NONROAD Airport Equipment	22-68-00-8005	Point	Mobile Sources - Off-highway Vehicle CNG - Airport Ground Support Equipment - CNG Airport Ground Support Equipment	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Airport Equipment	22-70-00-8005	Point	Mobile Sources - Off-highway Vehicle Diesel - Airport Ground Support Equipment - Airport Ground Support Equipment	Data
NONROAD Commercial Equipment	22-60-006-005	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-60-006-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-60-006-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-60-006-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Equipment	22-65-006-005	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-65-006-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-65-006-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-65-006-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Welders	Data
NONROAD Commercial Equipment	22-65-006-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Pressure Washers	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Commercial Equipment	22-65-006-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Equipment	22-67-006-005	Nonroad	Mobile Sources - LPG - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-67-006-010	Nonroad	Mobile Sources - LPG - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-67-006-015	Nonroad	Mobile Sources - LPG - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-67-006-025	Nonroad	Mobile Sources - LPG - Commercial Equipment - Welders	Data
NONROAD Commercial Equipment	22-67-006-030	Nonroad	Mobile Sources - LPG - Commercial Equipment - Pressure Washers	Data
NONROAD Commercial Equipment	22-67-006-035	Nonroad	Mobile Sources - LPG - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Equipment	22-68-006-005	Nonroad	Mobile Sources - CNG - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-68-006-010	Nonroad	Mobile Sources - CNG - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-68-006-015	Nonroad	Mobile Sources - CNG - Commercial Equipment - Air Compressors	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Commercial Equipment	22-68-006-020	Nonroad	Mobile Sources - CNG - Commercial Equipment - Gas Compressors	Data
NONROAD Commercial Equipment	22-70-006-005	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-70-006-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-70-006-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-70-006-025	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Welders	Data
NONROAD Commercial Equipment	22-70-006-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Pressure Washers	Data
NONROAD Commercial Equipment	22-70-006-035	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Marine Vessels	22-80-002-101	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Port emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-102	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Port emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-103	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Port emissions: Main Engine	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Commercial Marine Vessels	22-80-002-104	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Port emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-201	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Underway emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-202	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Underway emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-203	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Underway emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-204	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Underway emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-003-103	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Port emissions: Main Engine	No Annual CO, VOC or NOx
NONROAD Commercial Marine Vessels	22-80-003-104	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Port emissions: Auxiliary Engine	No Annual CO, VOC or NOx
NONROAD Commercial Marine Vessels	22-80-003-203	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Underway emissions: Main Engine	No Annual CO, VOC or NOx
NONROAD Commercial Marine Vessels	22-80-003-204	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Underway emissions: Auxiliary Engine	No Annual CO, VOC or NOx
NONROAD Construction and Mining Equipment	22-60-002-006	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Tampers/Rammers	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-60-002-009	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Plate Compactors	Data
NONROAD Construction and Mining Equipment	22-60-002-021	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-60-002-027	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Signal Boards/Light Plants	Data
NONROAD Construction and Mining Equipment	22-60-002-039	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-60-002-054	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-003	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Pavers	Data
NONROAD Construction and Mining Equipment	22-65-002-006	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Tampers/Rammers	Data
NONROAD Construction and Mining Equipment	22-65-002-009	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Plate Compactors	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-65-002-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Rollers	Data
NONROAD Construction and Mining Equipment	22-65-002-021	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-024	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Surfacing Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-027	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Signal Boards/Light Plants	Data
NONROAD Construction and Mining Equipment	22-65-002-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Trenchers	Data
NONROAD Construction and Mining Equipment	22-65-002-033	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Bore/Drill Rigs	Data
NONROAD Construction and Mining Equipment	22-65-002-039	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-65-002-042	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Cement and Mortar Mixers	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-65-002-045	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Cranes	Data
NONROAD Construction and Mining Equipment	22-65-002-054	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-057	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Rough Terrain Forklifts	Data
NONROAD Construction and Mining Equipment	22-65-002-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Rubber Tire Loaders	Data
NONROAD Construction and Mining Equipment	22-65-002-066	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Tractors/Loaders/Backhoes	Data
NONROAD Construction and Mining Equipment	22-65-002-072	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Skid Steer Loaders	Data
NONROAD Construction and Mining Equipment	22-65-002-078	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Dumpers/Tenders	Data
NONROAD Construction and Mining Equipment	22-65-002-081	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Other Construction Equipment	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-67-002-003	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Pavers	Data
NONROAD Construction and Mining Equipment	22-67-002-015	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Rollers	Data
NONROAD Construction and Mining Equipment	22-67-002-021	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-67-002-024	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Surfacing Equipment	Data
NONROAD Construction and Mining Equipment	22-67-002-030	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Trenchers	Data
NONROAD Construction and Mining Equipment	22-67-002-033	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Bore/Drill Rigs	Data
NONROAD Construction and Mining Equipment	22-67-002-039	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-67-002-045	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Cranes	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-67-002-054	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-67-002-057	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Rough Terrain Forklifts	Data
NONROAD Construction and Mining Equipment	22-67-002-060	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Rubber Tire Loaders	Data
NONROAD Construction and Mining Equipment	22-67-002-066	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Tractors/Loaders/Backhoes	Data
NONROAD Construction and Mining Equipment	22-67-002-072	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Skid Steer Loaders	Data
NONROAD Construction and Mining Equipment	22-67-002-081	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Other Construction Equipment	Data
NONROAD Construction and Mining Equipment	22-68-002-081	Nonroad	Mobile Sources - CNG - Construction and Mining Equipment - Other Construction Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-003	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Pavers	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-70-002-006	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Tampers/Rammers	Data
NONROAD Construction and Mining Equipment	22-70-002-009	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Plate Compactors	Data
NONROAD Construction and Mining Equipment	22-70-002-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Rollers	Data
NONROAD Construction and Mining Equipment	22-70-002-018	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Scrapers	Data
NONROAD Construction and Mining Equipment	22-70-002-021	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-024	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Surfacing Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-027	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Signal Boards/Light Plants	Data
NONROAD Construction and Mining Equipment	22-70-002-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Trenchers	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-70-002-033	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Bore/Drill Rigs	Data
NONROAD Construction and Mining Equipment	22-70-002-036	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Excavators	Data
NONROAD Construction and Mining Equipment	22-70-002-039	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-70-002-042	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Cement and Mortar Mixers	Data
NONROAD Construction and Mining Equipment	22-70-002-045	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Cranes	Data
NONROAD Construction and Mining Equipment	22-70-002-048	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Graders	Data
NONROAD Construction and Mining Equipment	22-70-002-051	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Off-highway Trucks	Data
NONROAD Construction and Mining Equipment	22-70-002-054	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Crushing/Processing Equipment	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Construction and Mining Equipment	22-70-002-057	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Rough Terrain Forklifts	Data
NONROAD Construction and Mining Equipment	22-70-002-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Rubber Tire Loaders	Data
NONROAD Construction and Mining Equipment	22-70-002-066	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Tractors/Loaders/Backhoes	Data
NONROAD Construction and Mining Equipment	22-70-002-069	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Crawler Tractor/Dozers	Data
NONROAD Construction and Mining Equipment	22-70-002-072	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Skid Steer Loaders	Data
NONROAD Construction and Mining Equipment	22-70-002-075	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Off-highway Tractors	Data
NONROAD Construction and Mining Equipment	22-70-002-078	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Dumpers/Tenders	Data
NONROAD Construction and Mining Equipment	22-70-002-081	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Other Construction Equipment	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Industrial Equipment	22-60-003-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-60-003-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-65-003-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Aerial Lifts	Data
NONROAD Industrial Equipment	22-65-003-020	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-65-003-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-65-003-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-65-003-050	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Other Material Handling Equipment	Data
NONROAD Industrial Equipment	22-65-003-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Industrial Equipment - 4-Stroke AC\Refrigeration	Data
NONROAD Industrial Equipment	22-65-003-070	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-65-010-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Industrial Equipment - 4-Stroke Other Oil Field Equipment	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Industrial Equipment	22-67-003-010	Nonroad	Mobile Sources - LPG - Industrial Equipment - Aerial Lifts	Data
NONROAD Industrial Equipment	22-67-003-020	Nonroad	Mobile Sources - LPG - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-67-003-030	Nonroad	Mobile Sources - LPG - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-67-003-040	Nonroad	Mobile Sources - LPG - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-67-003-050	Nonroad	Mobile Sources - LPG - Industrial Equipment - Other Material Handling Equipment	Data
NONROAD Industrial Equipment	22-67-003-070	Nonroad	Mobile Sources - LPG - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-68-003-020	Nonroad	Mobile Sources - CNG - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-68-003-030	Nonroad	Mobile Sources - CNG - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-68-003-040	Nonroad	Mobile Sources - CNG - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-68-003-060	Nonroad	Mobile Sources - Off-highway Vehicle CNG - Industrial Equipment - CNG AC\Refrigeration	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Industrial Equipment	22-68-003-070	Nonroad	Mobile Sources - CNG - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-68-010-010	Nonroad	Mobile Sources - Off-highway Vehicle CNG - Industrial Equipment - CNG Other Oil Field Equipment	Data
NONROAD Industrial Equipment	22-70-003-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Aerial Lifts	Data
NONROAD Industrial Equipment	22-70-003-020	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-70-003-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-70-003-040	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-70-003-050	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Other Material Handling Equipment	Data
NONROAD Industrial Equipment	22-70-003-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - AC\Refrigeration	Data
NONROAD Industrial Equipment	22-70-003-070	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-70-010-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Other Oil Field Equipment	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Com)	22-60-004-016	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-021	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Chain Saws < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-026	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-031	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-036	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Snowblowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-071	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Turf Equipment (Commercial)	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Com)	22-65-004-011	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-016	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-026	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-031	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-036	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 4-Stroke Snowblowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-041	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rear Engine Riding Mowers (Commercial)	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Com)	22-65-004-046	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Front Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-051	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Shredders < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-056	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn and Garden Tractors (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-066	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-071	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Turf Equipment (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-076	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Other Lawn and Garden Equipment (Commercial)	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Com)	22-67-004-066	Nonroad	Mobile Sources - LPG - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-046	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Front Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-056	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Lawn and Garden Tractors (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-066	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-071	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Turf Equipment (Commercial)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Residential)	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Res)	22-60-004-020	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Chain Saws < 6 HP (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Snowblowers (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn Mowers (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Residential)	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Res)	22-65-004-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 4-Stroke Snowblowers (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rear Engine Riding Mowers (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-055	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn and Garden Tractors (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-075	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Other Lawn and Garden Equipment (Residential)	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Locomotives	22-85-002-006	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Class I Operations	Factor
NONROAD Locomotives	22-85-002-007	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Class II / III Operations	Factor
NONROAD Locomotives	22-85-002-008	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Passenger Trains (Amtrak)	Factor
NONROAD Locomotives	22-85-002-009	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Commuter Lines	Factor
NONROAD Locomotives	22-85-002-010	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Yard Locomotives	No Annual CO, VOC or NOx
NONROAD Logging Equipment	22-60-007-005	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Logging Equipment - Chain Saws > 6 HP	Data
NONROAD Logging Equipment	22-65-007-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Logging Equipment - Shredders > 6 HP	Data
NONROAD Logging Equipment	22-70-007-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Logging Equipment - Forest Eqp - Feller/Bunch/Skidder	Data
NONROAD Pleasure Craft	22-82-005-010	Nonroad	Mobile Sources - Pleasure Craft - Gasoline 2-Stroke - Outboard	Data
NONROAD Pleasure Craft	22-82-005-015	Nonroad	Mobile Sources - Pleasure Craft - Gasoline 2-Stroke - Personal Water Craft	Data
NONROAD Pleasure Craft	22-82-010-005	Nonroad	Mobile Sources - Pleasure Craft - Gasoline 4-Stroke - Inboard/Sterndrive	Data
NONROAD Pleasure Craft	22-82-020-005	Nonroad	Mobile Sources - Pleasure Craft - Diesel - Inboard/Sterndrive	Data
NONROAD Pleasure Craft	22-82-020-010	Nonroad	Mobile Sources - Pleasure Craft - Diesel - Outboard	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Railroad Equipment	22-85-002-015	Nonroad	Mobile Sources - Railroad Equipment - Diesel - Railway Maintenance	Data
NONROAD Railroad Equipment	22-85-004-015	Nonroad	Mobile Sources - Railroad Equipment - Gasoline, 4-Stroke - Railway Maintenance	Data
NONROAD Railroad Equipment	22-85-006-015	Nonroad	Mobile Sources - Railroad Equipment - LPG - Railway Maintenance	Data
NONROAD Recreational Equipment	22-60-001-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Recreational Equipment - Motorcycles: Off-road	Data
NONROAD Recreational Equipment	22-60-001-020	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 2-Stroke Snowmobiles	Data
NONROAD Recreational Equipment	22-60-001-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Recreational Equipment - All Terrain Vehicles	Data
NONROAD Recreational Equipment	22-60-001-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 2-Stroke Specialty Vehicles/Carts	Data
NONROAD Recreational Equipment	22-65-001-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Recreational Equipment - Motorcycles: Off-road	Data
NONROAD Recreational Equipment	22-65-001-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Recreational Equipment - All Terrain Vehicles	Data
NONROAD Recreational Equipment	22-65-001-050	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 4-Stroke Golf Carts	Data

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Recreational Equipment	22-65-001-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 4-Stroke Specialty Vehicles/Carts	Data
NONROAD Recreational Equipment	22-67-001-060	Nonroad	Mobile Sources - Off-highway Vehicle LPG - Recreational Equipment - LPG Specialty Vehicles/Carts	Data
NONROAD Recreational Equipment	22-70-001-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Recreational Equipment - Specialty Vehicles/Carts	Data
Section 4.0				
NONPOINT Section 4.1.2.1	21-02-001-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.1	21-02-002-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.2	21-02-004-001	Nonpoint	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types	Factor
NONPOINT Section 4.1.2.2	21-02-004-002	Nonpoint	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types	Factor
NONPOINT Section 4.1.2.3	21-02-005-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.4	21-02-006-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines	Factor
NONPOINT Section 4.1.2.5	21-02-007-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.6	21-02-008-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.7	21-02-011-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.1.2.1	21-03-001-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.1	21-03-002-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Bituminous/Subbituminous Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.2	21-03-004-001	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers	Factor
NONPOINT Section 4.1.2.2	21-03-004-002	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines	Factor
NONPOINT Section 4.1.2.3	21-03-005-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.4	21-03-006-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines	Factor
NONPOINT Section 4.1.2.5	21-03-007-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types	Factor
NONPOINT Section 4.1.2.6	21-03-008-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.7	21-03-011-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.1	21-04-001-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.1.3.1	21-04-002-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.3.2	21-04-004-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.4	21-04-006-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.5	21-04-007-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.6	21-04-008-100	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general	Factor
NONPOINT Section 4.1.3.6	21-04-008-210	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified	Factor
NONPOINT Section 4.1.3.6	21-04-008-220	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-230	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-310	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified	Factor
NONPOINT Section 4.1.3.6	21-04-008-320	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-330	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-400	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.1.3.6	21-04-008-510	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified	Factor
NONPOINT Section 4.1.3.6	21-04-008-530	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, pellet-fired, general	Factor
NONPOINT Section 4.1.3.6	21-04-008-610	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor	Factor
NONPOINT Section 4.1.3.6	21-04-008-620	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: indoor	Factor
NONPOINT Section 4.1.3.6	21-04-008-630	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: pellet-fired	Factor
NONPOINT Section 4.1.3.6	21-04-008-700	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)	Factor
NONPOINT Section 4.1.3.6	21-04-009-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.7	21-04-011-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types	Factor
NONPOINT Section 4.2.4	22-01-00-0062	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement	Data
NONPOINT Section 4.2.4	22-02-00-0062	Onroad	Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement	Data
NONPOINT Section 4.5.1	22-94-000-000	Nonpoint	Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives	No Annual CO, VOC or NOx
NONPOINT Section 4.5.1	22-94-000-002	Nonpoint	Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives	No Annual CO, VOC or NOx
NONPOINT Section 4.5.2	22-96-000-000	Nonpoint	Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.7.2	23-02-002-100	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling	Factor
NONPOINT Section 4.7.2	23-02-002-200	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling	Factor
NONPOINT Section 4.7.2	23-02-003-000	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying	Factor
NONPOINT Section 4.7.2	23-02-003-100	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying	Factor
NONPOINT Section 4.7.2	23-02-003-200	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying	Factor
NONPOINT Section 4.6	23-10-000-220	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-551	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from CBM Wells	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-552	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Gas Wells	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-553	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Oil Wells	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-660	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Hydraulic Fracturing Engines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-010-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Heaters	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.6	23-10-010-200	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Tanks - Flashing & Standing/Working/Breathing	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-010-300	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Pneumatic Devices	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-001	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Associated Gas Venting	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-201	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-501	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-502	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-503	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-505	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-600	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Artificial Lift Engines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-010	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Storage Tanks: Condensate	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.6	23-10-021-030	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading: Condensate	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-102	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-202	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-251	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-300	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-302	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-351	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.6	23-10-021-400	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-501	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-502	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-503	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-505	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-506	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-603	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-102	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-202	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-300	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Devices	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.6	23-10-023-302	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-310	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Pumps	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-511	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-512	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Flanges	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-513	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-515	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-516	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-600	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-111-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-111-401	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.6	23-10-111-700	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-121-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Mud Degassing	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-121-401	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-121-700	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.5.3.1	23-11-010-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Residential - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.5.3.2	23-11-020-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.5.3.3	23-11-030-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.7.1	23-25-000-000	Nonpoint	Industrial Processes - Mining and Quarrying: SIC 10 and SIC 14 - All Processes - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.3.5	24-01-001-000	Nonpoint	Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-005-000	Nonpoint	Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-008-000	Nonpoint	Solvent Utilization - Surface Coating - Traffic Markings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-015-000	Nonpoint	Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-020-000	Nonpoint	Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.3.5	24-01-025-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-030-000	Nonpoint	Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-040-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-055-000	Nonpoint	Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-060-000	Nonpoint	Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-065-000	Nonpoint	Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-070-000	Nonpoint	Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-075-000	Nonpoint	Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-080-000	Nonpoint	Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-085-000	Nonpoint	Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-090-000	Nonpoint	Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-100-000	Nonpoint	Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-200-000	Nonpoint	Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.1	24-15-000-000	Nonpoint	Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.3.2	24-20-000-000	Nonpoint	Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types	Factor
NONPOINT Section 4.3.3	24-25-000-000	Nonpoint	Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-100-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-200-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-400-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-500-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-600-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-800-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-900-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) - Total: All Solvent Types	Factor
NONPOINT Section 4.3.6	24-61-021-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.3.6	24-61-022-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types	No Annual CO, VOC or NOx
NONPOINT Section 4.4.5	24-61-850-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes	Factor
NONPOINT Section 4.2.6	25-01-011-011	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation	Factor
NONPOINT Section 4.2.6	25-01-011-012	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal losses)	Factor
NONPOINT Section 4.2.6	25-01-011-013	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport	Factor
NONPOINT Section 4.2.6	25-01-011-014	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement	Factor
NONPOINT Section 4.2.6	25-01-011-015	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage	Factor
NONPOINT Section 4.2.6	25-01-012-011	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation	Factor
NONPOINT Section 4.2.6	25-01-012-012	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.2.6	25-01-012-013	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport	Factor
NONPOINT Section 4.2.6	25-01-012-014	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor Displacement	Factor
NONPOINT Section 4.2.6	25-01-012-015	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage	Factor
NONPOINT Section 4.2.1	25-01-050-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline	Data
NONPOINT Section 4.2.1	25-01-055-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline	Data
NONPOINT Section 4.2.3	25-01-060-051	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling	Factor
NONPOINT Section 4.2.3	25-01-060-052	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling	No Annual CO, VOC or NOx
NONPOINT Section 4.2.3	25-01-060-053	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling	Factor
NONPOINT Section 4.2.3	25-01-060-201	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.2.2	25-01-080-050	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total	Factor
NONPOINT Section 4.2.2	25-01-080-100	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 2: Total	Factor
NONPOINT Section 4.2.5	25-05-030-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline	Factor
NONPOINT Section 4.2.5	25-05-040-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline	Factor
NONPOINT Section 4.9.2.1	26-10-000-100	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified	No Annual CO, VOC or NOx
NONPOINT Section 4.9.2.1	26-10-000-400	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified	Factor
NONPOINT Section 4.9.2.2	26-10-000-500	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)	No Annual CO, VOC or NOx
NONPOINT Section 4.9.2.3	26-10-030-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)	No Annual CO, VOC or NOx
NONPOINT Section 4.9.5	26-20-030-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total	Data
NONPOINT Section 4.9.4	26-20-030-001	Nonpoint	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)	No Annual CO, VOC or NOx
NONPOINT Section 4.9.3	26-30-020-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.9.4	26-50-000-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.9.4	26-50-000-002	Nonpoint	Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding	No Annual CO, VOC or NOx
NONPOINT Section 4.9.1	26-80-003-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All Processes	Factor
NONPOINT Section 4.4.1	28-01-000-003	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-141	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-150	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-151	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-152	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Corn and Soybeans	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.4.4	28-01-500-160	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-171	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Fallow	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-220	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-250	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-262	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Wheat: Backfire Burning	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-263	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Cotton	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-264	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans	No Annual CO, VOC or NOx
NONPOINT Section 4.4.3	28-01-700-099	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers	No Annual CO, VOC or NOx
NONPOINT Section 4.4.1	28-05-001-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.4.1	28-05-001-010	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Dairy Cattle	No Annual CO, VOC or NOx
NONPOINT Section 4.4.1	28-05-001-020	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Broilers	No Annual CO, VOC or NOx
NONPOINT Section 4.4.1	28-05-001-030	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Layers	No Annual CO, VOC or NOx
NONPOINT Section 4.4.1	28-05-001-040	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Swine	No Annual CO, VOC or NOx
NONPOINT Section 4.4.1	28-05-001-050	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Turkeys	No Annual CO, VOC or NOx
NONPOINT Section 4.4.2	28-05-002-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified	Factor
NONPOINT Section 4.4.2	28-05-007-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management Systems: Confinement	Factor
NONPOINT Section 4.4.2	28-05-009-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement	Factor
NONPOINT Section 4.4.1	28-05-010-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Confinement	Factor
NONPOINT Section 4.4.2	28-05-018-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified	Factor
NONPOINT Section 4.4.2	28-05-025-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also 28-05-039, -047, -053)	Factor
NONPOINT Section 4.4.2	28-05-035-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified	Factor

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.4.2	28-05-040-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total	Factor
NONPOINT Section 4.4.2	28-05-045-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified	Factor
NONPOINT Section 4.8	28-10-001-001	Nonpoint	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering	Factor
NONPOINT Section 4.8	28-10-001-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming	Factor
NONPOINT Section 4.7.3	28-10-025-000	Nonpoint	Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total	Factor
NONPOINT Section 4.9.4	28-10-060-100	Nonpoint	Miscellaneous Area Sources - Other Combustion - Cremation - Humans	Factor
NONPOINT Section 4.9.4	28-10-060-200	Nonpoint	Miscellaneous Area Sources - Other Combustion - Cremation - Animals	Factor
NONPOINT Section 4.8	28-11-015-001	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering	Factor
NONPOINT Section 4.8	28-11-015-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming	Factor
NONPOINT Section 4.9.4	28-50-001-000	Nonpoint	Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process	No Annual CO, VOC or NOx
NONPOINT Section 4.9.4	28-51-001-000	Nonpoint	Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.9.4	28-61-000-000	Nonpoint	Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Non-recycling Related Emissions: Total	No Annual CO, VOC or NOx

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT Section 4.9.4	28-61-000-010	Nonpoint	Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Recycling Related Emissions: Total	No Annual CO, VOC or NOx
Section 5.0				
BIOGENIC	27-01-200-000	Nonpoint	Natural Sources - Biogenic - Vegetation - Total	Data
BIOGENIC	27-01-220-000	Nonpoint	Natural Sources - Biogenic - Vegetation/Agriculture - Total	Data

Table D-2: Summer Day Allocation Factors

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
21-02-004-001	Stationary Source Fuel Combustion _ Industrial _ Distillate Oil _ All Boiler Types	6.410	25	6	13
21-02-004-002	Stationary Source Fuel Combustion _ Industrial _ Distillate Oil _ All IC Engine Types	6.410	25	6	13
21-02-005-000	Stationary Source Fuel Combustion _ Industrial _ Residual Oil _ Total: All Boiler Types	6.410	25	6	13
21-02-006-000	Stationary Source Fuel Combustion _ Industrial _ Natural Gas _ Total: Boilers and IC Engines	6.410	25	6	13
21-02-007-000	Stationary Source Fuel Combustion _ Industrial _ Liquified Petroleum Gas (LPG) _ Total: All Boiler Types	6.410	25	6	13
21-02-008-000	Stationary Source Fuel Combustion _ Industrial _ Wood _ Total: All Boiler Types	0.000	0	6	13
21-02-011-000	Stationary Source Fuel Combustion _ Industrial _ Kerosene _ Total: All Boiler Types	6.410	25	6	13
21-03-004-001	Stationary Source Fuel Combustion _ Commercial/Institutional _ Distillate Oil _ Boilers	3.297	15	7	13
21-03-004-002	Stationary Source Fuel Combustion _ Commercial/Institutional _ Distillate Oil _ IC Engines	3.297	15	7	13
21-03-005-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Residual Oil _ Total: All Boiler Types	3.297	15	7	13
21-03-006-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Natural Gas _ Total: Boilers and IC Engines	3.297	15	7	13
21-03-007-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Liquified Petroleum Gas (LPG) _ Total: All Combustor Types	3.297	15	7	13
21-03-008-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Wood _ Total: All Boiler Types	0.000	0	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
21-03-011-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Kerosene _ Total: All Combustor Types	3.297	15	7	13
21-04-004-000	Stationary Source Fuel Combustion _ Residential _ Distillate Oil _ Total: All Combustor Types	1.209	5.5	7	13
21-04-006-000	Stationary Source Fuel Combustion _ Residential _ Natural Gas _ Total: All Combustor Types	1.538	7	7	13
21-04-007-000	Stationary Source Fuel Combustion _ Residential _ Liquified Petroleum Gas (LPG) _ Total: All Combustor Types	2.692	12.25	7	13
21-04-008-100	Stationary Source Fuel Combustion _ Residential _ Wood _ Fireplace: general	0.000	0	7	13
21-04-008-210	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; non-EPA certified	0.000	0	7	13
21-04-008-220	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; EPA certified; non-catalytic	0.000	0	7	13
21-04-008-230	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; EPA certified; catalytic	0.000	0	7	13
21-04-008-310	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, non-EPA certified	0.000	0	7	13
21-04-008-320	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, EPA certified, non-catalytic	0.000	0	7	13
21-04-008-330	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, EPA certified, catalytic	0.000	0	7	13
21-04-008-400	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: pellet-fired, general (freestanding or FP insert)	0.000	0	7	13
21-04-008-510	Stationary Source Fuel Combustion _ Residential _ Wood _ Furnace: Indoor, cordwood-fired, non-EPA certified	0.000	0	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
21-04-008-530	Stationary Source Fuel Combustion _ Residential _ Wood _ Furnace: Indoor, pellet-fired, general	0.000	0	7	13
21-04-008-610	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: outdoor	0.000	0	7	13
21-04-008-620	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: indoor	0.000	0	7	13
21-04-008-630	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: pellet-fired	0.000	0	7	13
21-04-008-700	Stationary Source Fuel Combustion _ Residential _ Wood _ Outdoor wood burning device, NEC (fire-pits, chimeas, etc)	4.176	19	7	13
21-04-009-000	Stationary Source Fuel Combustion _ Residential _ Firelog _ Total: All Combustor Types	0.000	0	7	13
21-04-011-000	Stationary Source Fuel Combustion _ Residential _ Kerosene _ Total: All Heater Types	2.692	12.25	7	13
22-02-00-0062	Mobile Sources _ Highway Vehicles - Diesel _ Refueling _ Total Spillage and Displacement	5.767	26.24	7	13
22-80-002-100	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ Port emissions	5.495	25	7	13
22-80-002-101	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Port emissions: Main Engine	5.495	25	7	13
22-80-002-102	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Port emissions: Auxiliary Engine	5.495	25	7	13
22-80-002-103	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Port emissions: Main Engine	5.495	25	7	13
22-80-002-104	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Port emissions: Auxiliary Engine	5.495	25	7	13
22-80-002-200	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ Underway emissions	5.495	25	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
22-80-002-201	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Underway emissions: Main Engine	5.495	25	7	13
22-80-002-202	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Underway emissions: Auxiliary Engine	5.495	25	7	13
22-80-002-203	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Underway emissions: Main Engine	5.495	25	7	13
22-80-002-204	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Underway emissions: Auxiliary Engine	5.495	25	7	13
22-80-003-100	Mobile Sources _ Marine Vessels, Commercial _ Residual _ Port emissions	5.495	25	7	13
22-80-003-103	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Port emissions: Main Engine	5.495	25	7	13
22-80-003-104	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Port emissions: Auxiliary Engine	5.495	25	7	13
22-80-003-200	Mobile Sources _ Marine Vessels, Commercial _ Residual _ Underway emissions	5.495	25	7	13
22-80-003-203	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Underway emissions: Main Engine	5.495	25	7	13
22-80-003-204	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Underway emissions: Auxiliary Engine	5.495	25	7	13
22-85-002-006	Mobile Sources _ Railroad Equipment _ Diesel _ Line Haul Locomotives: Class I Operations	7.692	25	5	13
22-85-002-007	Mobile Sources _ Railroad Equipment _ Diesel _ Line Haul Locomotives: Class II / III Operations	7.692	25	5	13
22-85-002-008	Mobile Sources _ Railroad Equipment _ Diesel _ Line Haul Locomotives: Passenger Trains (Amtrak)	7.692	25	5	13
22-85-002-009	Mobile Sources _ Railroad Equipment _ Diesel _ Line Haul Locomotives: Commuter Lines	7.692	25	5	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
22-85-002-010	Mobile Sources _ Railroad Equipment _ Diesel _ Yard Locomotives	7.692	25	5	13
23-02-002-100	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Charbroiling _ Conveyorized Charbroiling	5.495	25	7	13
23-02-002-200	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Charbroiling _ Under-fired Charbroiling	5.495	25	7	13
23-02-003-000	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Frying _ Deep Fat Frying	5.495	25	7	13
23-02-003-100	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Frying _ Flat Griddle Frying	5.495	25	7	13
23-02-003-200	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Frying _ Clamshell Griddle Frying	5.495	25	7	13
24-01-001-000	Solvent Utilization _ Surface Coating _ Architectural Coatings _ Total: All Solvent Types	7.143	32.5	7	13
24-01-005-000	Solvent Utilization _ Surface Coating _ Auto Refinishing: SIC 7532 _ Total: All Solvent Types	7.692	25	5	13
24-01-008-000	Solvent Utilization _ Surface Coating _ Traffic Markings _ Total: All Solvent Types	11.765	38.2353	5	13
24-01-015-000	Solvent Utilization _ Surface Coating _ Factory Finished Wood: SIC 2426 thru 242 _ Total: All Solvent Types	7.692	25	5	13
24-01-020-000	Solvent Utilization _ Surface Coating _ Wood Furniture: SIC 25 _ Total: All Solvent Types	7.692	25	5	13
24-01-025-000	Solvent Utilization _ Surface Coating _ Metal Furniture: SIC 25 _ Total: All Solvent Types	7.692	25	5	13
24-01-030-000	Solvent Utilization _ Surface Coating _ Paper: SIC 26 _ Total: All Solvent Types	7.692	25	5	13
24-01-040-000	Solvent Utilization _ Surface Coating _ Metal Cans: SIC 341 _ Total: All Solvent Types	7.692	25	5	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
24-01-055-000	Solvent Utilization _ Surface Coating _ Machinery and Equipment: SIC 35 _ Total: All Solvent Types	7.692	25	5	13
24-01-060-000	Solvent Utilization _ Surface Coating _ Large Appliances: SIC 363 _ Total: All Solvent Types	7.692	25	5	13
24-01-065-000	Solvent Utilization _ Surface Coating _ Electronic and Other Electrical: SIC 36 - 363 _ Total: All Solvent Types	7.692	25	5	13
24-01-070-000	Solvent Utilization _ Surface Coating _ Motor Vehicles: SIC 371 _ Total: All Solvent Types	7.692	25	5	13
24-01-075-000	Solvent Utilization _ Surface Coating _ Aircraft: SIC 372 _ Total: All Solvent Types	7.692	25	5	13
24-01-080-000	Solvent Utilization _ Surface Coating _ Marine: SIC 373 _ Total: All Solvent Types	7.692	25	5	13
24-01-085-000	Solvent Utilization _ Surface Coating _ Railroad: SIC 374 _ Total: All Solvent Types	7.692	25	5	13
24-01-090-000	Solvent Utilization _ Surface Coating _ Miscellaneous Manufacturing _ Total: All Solvent Types	7.692	25	5	13
24-01-100-000	Solvent Utilization _ Surface Coating _ Industrial Maintenance Coatings _ Total: All Solvent Types	7.692	25	5	13
24-01-200-000	Solvent Utilization _ Surface Coating _ Other Special Purpose Coatings _ Total: All Solvent Types	7.692	25	5	13
24-15-000-000	Solvent Utilization _ Degreasing _ All Processes/All Industries _ Total: All Solvent Types	7.692	25	5	13
24-20-000-000	Solvent Utilization _ Dry Cleaning _ All Processes _ Total: All Solvent Types	5.495	20	5.6	13
24-25-000-000	Solvent Utilization _ Graphic Arts _ All Processes _ Total: All Solvent Types	7.692	25	5	13
24-60-100-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Personal Care Products _ Total: All Solvent Types	5.495	25	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
24-60-200-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Household Products _ Total: All Solvent Types	5.495	25	7	13
24-60-400-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Automotive Aftermarket Products _ Total: All Solvent Types	5.495	25	7	13
24-60-500-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Coatings and Related Products _ Total: All Solvent Types	5.495	25	7	13
24-60-600-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Adhesives and Sealants _ Total: All Solvent Types	5.495	25	7	13
24-60-800-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All FIFRA Related Products _ Total: All Solvent Types	5.495	25	7	13
24-60-900-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ Miscellaneous Products (Not Otherwise Covered) _ Total: All Solvent Types	5.495	25	7	13
24-61-850-000	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Pesticide Application: Agricultural _ All Processes	12.821	50	6	13
25-01-011-011	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Permeation	11.011	50.1	7	13
25-01-011-012	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Evaporation (includes Diurnal losses)	11.011	50.1	7	13
25-01-011-013	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Spillage During Transport	11.011	50.1	7	13
25-01-011-014	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Refilling at the Pump - Vapor Displacement	11.011	50.1	7	13
25-01-011-015	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Refilling at the Pump - Spillage	11.011	50.1	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
25-01-012-011	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Permeation	11.011	50.1	7	13
25-01-012-012	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Evaporation (includes Diurnal losses)	11.011	50.1	7	13
25-01-012-013	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Spillage During Transport	11.011	50.1	7	13
25-01-012-014	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Refilling at the Pump - Vapor Displacement	11.011	50.1	7	13
25-01-012-015	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Refilling at the Pump - Spillage	11.011	50.1	7	13
25-01-060-051	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Stage 1: Submerged Filling	5.767	26.24	7	13
25-01-060-052	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Stage 1: Splash Filling	5.767	26.24	7	13
25-01-060-053	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Stage 1: Balanced Submerged Filling	5.767	26.24	7	13
25-01-060-201	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Underground Tank: Breathing and Emptying	5.767	26.2412	7	13
25-01-080-050	Storage and Transport _ Petroleum and Petroleum Product Storage _ Airports : Aviation Gasoline _ Stage 1: Total	5.495	25	7	13
25-01-080-100	Storage and Transport _ Petroleum and Petroleum Product Storage _ Airports : Aviation Gasoline _ Stage 2: Total	5.495	25	7	13
25-05-030-120	Storage and Transport _ Petroleum and Petroleum Product Transport _ Truck _ Gasoline	5.621	25.574	7	13
25-05-040-120	Storage and Transport _ Petroleum and Petroleum Product Transport _ Pipeline _ Gasoline	5.767	26.24	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
26-10-000-100	Waste Disposal, Treatment, and Recovery _ Open Burning _ All Categories _ Yard Waste - Leaf Species Unspecified	5.495	25	7	13
26-10-000-400	Waste Disposal, Treatment, and Recovery _ Open Burning _ All Categories _ Yard Waste - Brush Species Unspecified	5.495	25	7	13
26-10-030-000	Waste Disposal, Treatment, and Recovery _ Open Burning _ Residential _ Household Waste (use 26-10-000-xxx for Yard Wastes)	5.495	25	7	13
26-30-020-000	Waste Disposal, Treatment, and Recovery _ Wastewater Treatment _ Public Owned _ Total Processed	7.692	35	7	13
26-80-003-000	Waste Disposal, Treatment, and Recovery _ Composting _ 100% Green Waste (e.g., residential or municipal yard wastes) _ All Processes	7.692	35	7	13
28-01-500-000	Miscellaneous Area Sources _ Agriculture Production - Crops - as nonpoint _ Agricultural Field Burning - whole field set on fire _ Unspecified crop type and Burn Method	0.000	0	7	13
28-05-001-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Beef cattle - finishing operations on feedlots (drylots) _ Dust Kicked-up by Hooves (use 28-05-020, -001, -002, or -003 for Waste	13.527	61.55	7	13
28-05-002-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Beef cattle production composite _ Not Elsewhere Classified	13.527	61.55	7	13
28-05-007-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry production - layers with dry manure management systems _ Confinement	13.527	61.55	7	13
28-05-009-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry production - broilers _ Confinement	13.527	61.55	7	13
28-05-010-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry production - turkeys _ Confinement	11.703	53.25	7	13
28-05-018-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dairy cattle composite _ Not Elsewhere Classified	13.527	61.55	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
28-05-025-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Swine production composite _ Not Elsewhere Classified (see also 28-05-039, -047, -053)	13.527	61.55	7	13
28-05-035-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Horses and Ponies Waste Emissions _ Not Elsewhere Classified	11.380	51.78	7	13
28-05-040-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Sheep and Lambs Waste Emissions _ Total	11.380	51.78	7	13
28-05-045-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Goats Waste Emissions _ Not Elsewhere Classified	11.380	51.78	7	13
28-10-001-000	Miscellaneous Area Sources _ Other Combustion - as Event _ Forest Wildfires _ Total (Smoldering + Flaming) for Wildfires	2.052	9.336	7	13
28-10-001-001	Miscellaneous Area Sources _ Other Combustion - as Event _ Forest Wildfires _ Smoldering	2.052	9.336	7	13
28-10-001-002	Miscellaneous Area Sources _ Other Combustion - as Event _ Forest Wildfires _ Flaming	2.052	9.336	7	13
28-10-025-000	Miscellaneous Area Sources _ Other Combustion _ Residential Grilling (see 23-02-002-xxx for Commercial) _ Total	10.989	50	7	13
28-10-060-100	Miscellaneous Area Sources _ Other Combustion _ Cremation _ Humans	5.495	25	7	13
28-10-060-200	Miscellaneous Area Sources _ Other Combustion _ Cremation _ Animals	5.495	25	7	13
28-11-015-000	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Total (Smoldering + Flaming) for Wildfires	0.000	0	7	13
28-11-015-001	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Smoldering	0.000	0	7	13
28-11-015-002	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Flaming	0.000	0	7	13

Table D-3: New Allocation Factors for SCCs

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 where an EPA Temporal Profile is mentioned)
Correction	21-02-008-000	6.410	25	6	13	This industrial SCC was set to 0% summer season activity, where other industrial fuel use SCCs are conservatively set at 25% summer season activity with 6 days of operation. 0% summer season activity wood burning for heat is used for residential SCCs. Summer season activity allocation for this industrial SCC was revised to 25%.
New	21-04-008-530	0	0	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100, SCC 2104008100, 2104008210, 2104008220, 2104008230, 2104008310, 2104008320, 2104008330, 2104008400, 2104008510, and 2104008610.
New	21-04-008-620	0	0	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100, SCC 2104008100, 2104008210, 2104008220, 2104008230, 2104008310, 2104008320, 2104008330, 2104008400, 2104008510, and 2104008610.
New	21-04-008-630	0	0	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100, SCC 2104008100, 2104008210, 2104008220, 2104008230, 2104008310, 2104008320, 2104008330, 2104008400, 2104008510, and 2104008610.
Replace	22-80-002-101	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-002-102	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-002-103	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-002-104	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-002-201	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 where an EPA Temporal Profile is mentioned)
Replace	22-80-002-202	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-002-203	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-002-204	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280002100.
Replace	22-80-003-103	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100.
Replace	22-80-003-104	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100.
Replace	22-80-003-203	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100.
Replace	22-80-003-204	5.495	25	7	13	Historical (2002 and 2005) Allocations. Allocation assumed to be consistent with SCC 2280003100.
New	23-10-000-551	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-000-552	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-000-553	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-011-001	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-011-600	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-001-010	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-001-020	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-001-030	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-001-040	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-001-050	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 where an EPA Temporal Profile is mentioned)
Non-Zero	28-05-010-100	0.117	53.25%	7	13	The summer day allocation was calculated from EPA monthly temporal profile AG09BR (amptpro_general_2011platform_tpro_monthly_6nov2014_30nov2018_nf_v9 - https://gaftp.epa.gov/Air/emismod/ => 2017 => ancillary data => ge_dat_for_2017gb_temporal_29jun2020* (* = .zip to download the file; * = _contents.txt to view the contents of the zip file).
Non-Zero	28-05-035-000	0.114	51.78%	7	13	The summer day allocation was calculated from EPA monthly temporal profile AG09AD (amptpro_general_2011platform_tpro_monthly_6nov2014_30nov2018_nf_v9 - https://gaftp.epa.gov/Air/emismod/ => 2017 => ancillary data => ge_dat_for_2017gb_temporal_29jun2020* (* = .zip to download the file; * = _contents.txt to view the contents of the zip file).
Non-Zero	28-05-040-000	0.114	51.78%	7	13	
Non-Zero	28-05-045-000	0.114	51.78%	7	13	
Non-Zero	28-10-060-200	5.495	25	7	13	Engineering judgement set equal to Human Creation SCC 2810060100, which also aligns with EPA's monthly temporal distribution (profile 262).

Table D-4: EPA Summer Day Allocation Profile Identifiers by SCC from Attachment 2b

SCC	State FIPS	Profile Type	Profile Identifier
28-10-060-200		MONTHLY	262
28-10-060-200		WEEKLY	7
28-05-010-100	09000	MONTHLY	AG09BR
28-05-010-100	09000	WEEKLY	7
28-05-035-000	09000	MONTHLY	AG09DA
28-05-035-000	09000	WEEKLY	7
28-05-040-000	09000	MONTHLY	AG09DA
28-05-040-000	09000	WEEKLY	7
28-05-045-000	09000	MONTHLY	AG09DA
28-05-045-000	09000	WEEKLY	7

Table D-5: EPA Summer Day Monthly Allocation Profiles for SCCs Needing a New Summer Day Allocation Factor

Calendar Month	Monthly Profile Identifier		
	262	AG09BR	AG09DA
January	8.33%	1.59%	1.79%
February	8.33%	1.26%	1.44%
March	8.33%	2.11%	2.35%
April	8.33%	5.09%	5.35%
May	8.33%	9.86%	9.94%
June	8.33%	15.30%	15.00%
July	8.33%	21.16%	20.37%
August	8.33%	16.79%	16.41%
September	8.33%	13.01%	12.84%
October	8.33%	7.91%	8.10%
November	8.33%	3.40%	3.65%
December	8.33%	2.52%	2.77%
Calculated Summer Season Percentage	**25.00%**	**53.25%**	**51.78%**

Appendix E MOVES Inputs

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	1	1	23.3	66.8
90010	1	2	22.4	67.5
90010	1	3	21.5	68.3
90010	1	4	20.8	68.8
90010	1	5	20.1	69.4
90010	1	6	19.9	69.7
90010	1	7	19.4	69.9
90010	1	8	19.2	69.9
90010	1	9	19.9	69.7
90010	1	10	22.8	67.6
90010	1	11	26.4	64.6
90010	1	12	30.0	61.3
90010	1	13	32.8	59.3
90010	1	14	35.0	57.7
90010	1	15	36.4	56.9
90010	1	16	36.6	56.5
90010	1	17	35.7	57.0
90010	1	18	33.2	59.1
90010	1	19	31.2	60.9
90010	1	20	29.4	62.2
90010	1	21	28.0	63.4
90010	1	22	26.7	64.3
90010	1	23	25.5	65.0
90010	1	24	24.4	65.7
90010	2	1	26.2	65.7
90010	2	2	25.1	66.7
90010	2	3	24.3	67.2
90010	2	4	23.4	68.0
90010	2	5	22.6	68.8
90010	2	6	22.0	69.0
90010	2	7	21.3	69.8
90010	2	8	20.9	69.8
90010	2	9	22.8	67.9
90010	2	10	25.9	64.8
90010	2	11	29.1	61.1
90010	2	12	32.3	58.0
90010	2	13	35.0	55.5

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	1	1	20.3	67.9
90030	1	2	19.1	68.9
90030	1	3	18.3	69.8
90030	1	4	17.7	70.0
90030	1	5	17.0	70.3
90030	1	6	16.6	70.8
90030	1	7	16.2	71.1
90030	1	8	16.0	70.8
90030	1	9	16.6	70.5
90030	1	10	20.1	67.6
90030	1	11	24.3	63.7
90030	1	12	28.2	60.0
90030	1	13	31.5	56.9
90030	1	14	33.8	55.3
90030	1	15	35.0	54.8
90030	1	16	35.2	54.4
90030	1	17	33.8	55.6
90030	1	18	31.3	57.9
90030	1	19	28.8	60.6
90030	1	20	26.7	62.4
90030	1	21	25.3	63.9
90030	1	22	23.8	65.1
90030	1	23	22.8	65.5
90030	1	24	21.6	66.8
90030	2	1	23.6	65.9
90030	2	2	22.4	67.2
90030	2	3	21.6	68.3
90030	2	4	20.9	68.6
90030	2	5	20.0	69.4
90030	2	6	19.3	69.6
90030	2	7	18.6	70.1
90030	2	8	18.3	70.4
90030	2	9	20.5	67.6
90030	2	10	24.0	63.7
90030	2	11	27.7	59.1
90030	2	12	31.0	55.6
90030	2	13	33.9	52.8

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	2	14	37.1	53.5
90010	2	15	38.6	52.4
90010	2	16	39.2	51.8
90010	2	17	38.8	52.2
90010	2	18	36.9	54.2
90010	2	19	34.4	56.9
90010	2	20	32.5	59.3
90010	2	21	31.0	61.1
90010	2	22	29.7	62.3
90010	2	23	28.5	63.5
90010	2	24	27.4	64.4
90010	3	1	33.6	65.0
90010	3	2	32.6	66.5
90010	3	3	31.6	67.8
90010	3	4	30.7	68.9
90010	3	5	30.1	69.4
90010	3	6	29.4	70.2
90010	3	7	28.9	70.7
90010	3	8	29.9	69.9
90010	3	9	33.1	65.7
90010	3	10	36.4	60.9
90010	3	11	39.5	56.7
90010	3	12	42.4	53.4
90010	3	13	44.9	50.8
90010	3	14	46.5	49.4
90010	3	15	47.7	48.2
90010	3	16	48.2	47.7
90010	3	17	47.7	48.2
90010	3	18	46.2	49.6
90010	3	19	43.5	53.0
90010	3	20	41.2	56.0
90010	3	21	39.4	58.3
90010	3	22	37.9	60.3
90010	3	23	36.7	61.7
90010	3	24	35.4	63.6
90010	4	1	42.7	66.7
90010	4	2	41.5	68.4
90010	4	3	40.4	69.7

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	2	14	36.1	50.5
90030	2	15	37.5	49.4
90030	2	16	38.0	49.1
90030	2	17	37.3	49.8
90030	2	18	35.3	51.9
90030	2	19	32.3	55.1
90030	2	20	30.3	58.0
90030	2	21	28.6	60.3
90030	2	22	27.2	61.9
90030	2	23	25.8	63.7
90030	2	24	24.8	64.9
90030	3	1	31.4	65.2
90030	3	2	30.4	66.8
90030	3	3	29.4	68.7
90030	3	4	28.6	69.5
90030	3	5	27.9	70.3
90030	3	6	27.1	71.7
90030	3	7	26.7	72.0
90030	3	8	28.0	70.6
90030	3	9	31.4	65.5
90030	3	10	35.0	59.4
90030	3	11	38.3	54.4
90030	3	12	41.3	50.7
90030	3	13	43.8	47.6
90030	3	14	45.4	46.1
90030	3	15	46.6	45.0
90030	3	16	46.9	44.5
90030	3	17	46.5	44.9
90030	3	18	44.7	46.6
90030	3	19	41.9	49.9
90030	3	20	39.2	53.6
90030	3	21	37.2	56.8
90030	3	22	35.5	59.5
90030	3	23	34.4	61.4
90030	3	24	33.2	63.6
90030	4	1	41.1	65.9
90030	4	2	40.0	67.7
90030	4	3	38.9	69.5

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	4	4	39.4	70.7
90010	4	5	38.6	71.8
90010	4	6	37.9	72.6
90010	4	7	38.2	72.6
90010	4	8	41.4	69.0
90010	4	9	44.8	63.5
90010	4	10	48.3	58.6
90010	4	11	51.6	54.4
90010	4	12	54.4	51.3
90010	4	13	56.6	49.0
90010	4	14	58.2	47.6
90010	4	15	59.2	46.4
90010	4	16	59.4	46.5
90010	4	17	58.7	46.9
90010	4	18	57.3	48.4
90010	4	19	54.8	51.1
90010	4	20	51.6	55.0
90010	4	21	49.5	58.1
90010	4	22	47.7	60.7
90010	4	23	46.0	62.9
90010	4	24	44.7	64.8
90010	5	1	52.2	73.2
90010	5	2	51.0	75.1
90010	5	3	49.9	76.7
90010	5	4	49.0	77.8
90010	5	5	48.1	79.3
90010	5	6	47.6	79.9
90010	5	7	49.7	77.9
90010	5	8	53.3	72.2
90010	5	9	56.9	66.3
90010	5	10	60.3	61.4
90010	5	11	63.4	57.2
90010	5	12	66.0	54.0
90010	5	13	68.0	51.5
90010	5	14	69.3	50.0
90010	5	15	70.1	49.2
90010	5	16	70.1	49.0
90010	5	17	69.3	49.9

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	4	4	37.9	71.1
90030	4	5	37.2	72.2
90030	4	6	36.5	73.3
90030	4	7	37.1	73.1
90030	4	8	40.4	68.0
90030	4	9	44.0	61.7
90030	4	10	47.5	55.5
90030	4	11	50.7	50.7
90030	4	12	53.5	46.8
90030	4	13	55.6	44.4
90030	4	14	57.3	42.6
90030	4	15	58.2	41.8
90030	4	16	58.3	41.6
90030	4	17	57.7	42.0
90030	4	18	56.3	43.7
90030	4	19	53.8	46.7
90030	4	20	50.6	51.1
90030	4	21	48.2	54.7
90030	4	22	46.2	58.1
90030	4	23	44.5	60.7
90030	4	24	43.0	63.5
90030	5	1	51.3	73.7
90030	5	2	50.1	75.9
90030	5	3	49.0	78.1
90030	5	4	48.0	79.6
90030	5	5	47.2	81.1
90030	5	6	46.7	81.7
90030	5	7	49.2	78.5
90030	5	8	52.7	72.2
90030	5	9	56.4	65.2
90030	5	10	59.9	59.1
90030	5	11	63.1	54.2
90030	5	12	65.6	50.6
90030	5	13	67.6	47.9
90030	5	14	69.1	46.0
90030	5	15	70.0	45.0
90030	5	16	69.9	44.8
90030	5	17	69.3	45.4

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	5	18	67.7	51.5
90010	5	19	65.4	54.3
90010	5	20	62.1	58.7
90010	5	21	59.2	63.2
90010	5	22	57.2	66.4
90010	5	23	55.7	68.7
90010	5	24	54.2	71.2
90010	6	1	61.6	75.8
90010	6	2	60.4	77.7
90010	6	3	59.2	79.3
90010	6	4	58.1	80.7
90010	6	5	57.2	82.1
90010	6	6	56.9	82.4
90010	6	7	59.3	79.9
90010	6	8	62.5	75.1
90010	6	9	66.0	69.6
90010	6	10	69.3	64.9
90010	6	11	72.4	60.6
90010	6	12	74.8	57.1
90010	6	13	76.8	54.6
90010	6	14	78.0	53.0
90010	6	15	78.6	52.3
90010	6	16	78.6	52.3
90010	6	17	77.8	53.2
90010	6	18	76.3	54.9
90010	6	19	74.2	57.6
90010	6	20	71.3	61.5
90010	6	21	68.0	66.6
90010	6	22	66.0	69.9
90010	6	23	64.3	72.0
90010	6	24	63.0	74.3
90010	7	1	67.3	78.0
90010	7	2	66.1	79.6
90010	7	3	65.0	80.9
90010	7	4	64.1	82.0
90010	7	5	63.2	83.1
90010	7	6	62.6	84.0
90010	7	7	64.6	81.7

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	5	18	67.9	47.1
90030	5	19	65.5	50.0
90030	5	20	62.2	55.1
90030	5	21	59.0	60.6
90030	5	22	56.8	64.3
90030	5	23	54.9	67.9
90030	5	24	53.3	70.9
90030	6	1	60.2	77.1
90030	6	2	59.1	79.0
90030	6	3	57.9	81.3
90030	6	4	56.8	83.0
90030	6	5	56.0	84.2
90030	6	6	55.9	84.8
90030	6	7	58.5	81.3
90030	6	8	62.0	75.3
90030	6	9	65.4	69.6
90030	6	10	68.8	64.1
90030	6	11	72.0	59.0
90030	6	12	74.5	55.0
90030	6	13	76.3	52.0
90030	6	14	77.8	49.8
90030	6	15	78.3	48.9
90030	6	16	78.3	48.9
90030	6	17	77.6	49.8
90030	6	18	76.2	51.6
90030	6	19	74.1	54.6
90030	6	20	71.1	59.3
90030	6	21	67.6	64.9
90030	6	22	65.3	69.0
90030	6	23	63.4	71.9
90030	6	24	62.0	74.2
90030	7	1	66.0	79.3
90030	7	2	64.7	81.5
90030	7	3	63.7	82.9
90030	7	4	62.7	84.6
90030	7	5	61.9	85.8
90030	7	6	61.5	86.4
90030	7	7	63.7	83.5

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	7	8	67.9	76.9
90010	7	9	71.3	71.5
90010	7	10	74.5	66.5
90010	7	11	77.5	62.1
90010	7	12	79.9	58.6
90010	7	13	81.9	55.9
90010	7	14	82.9	54.3
90010	7	15	83.7	53.5
90010	7	16	83.5	53.6
90010	7	17	82.8	54.6
90010	7	18	81.3	56.6
90010	7	19	79.3	59.6
90010	7	20	76.5	64.2
90010	7	21	73.5	69.0
90010	7	22	71.6	72.0
90010	7	23	70.1	74.4
90010	7	24	68.8	76.2
90010	8	1	65.8	80.1
90010	8	2	64.7	81.5
90010	8	3	63.7	82.9
90010	8	4	62.8	83.7
90010	8	5	61.9	84.9
90010	8	6	61.3	85.4
90010	8	7	62.0	84.9
90010	8	8	65.2	80.6
90010	8	9	68.8	74.8
90010	8	10	72.1	69.5
90010	8	11	75.2	64.5
90010	8	12	77.8	60.6
90010	8	13	79.9	57.6
90010	8	14	81.1	55.7
90010	8	15	81.8	54.9
90010	8	16	81.7	55.1
90010	8	17	80.8	56.3
90010	8	18	79.3	58.3
90010	8	19	76.9	62.0
90010	8	20	73.6	67.5
90010	8	21	71.2	71.4

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	7	8	67.2	77.4
90030	7	9	70.6	71.4
90030	7	10	74.0	65.5
90030	7	11	77.0	60.7
90030	7	12	79.5	56.5
90030	7	13	81.3	53.5
90030	7	14	82.6	51.5
90030	7	15	83.3	50.5
90030	7	16	83.4	50.3
90030	7	17	82.6	51.5
90030	7	18	81.3	53.5
90030	7	19	79.1	57.1
90030	7	20	76.1	62.3
90030	7	21	72.7	68.4
90030	7	22	70.6	72.2
90030	7	23	68.8	74.8
90030	7	24	67.4	77.4
90030	8	1	64.1	81.7
90030	8	2	63.1	83.4
90030	8	3	61.9	85.2
90030	8	4	61.1	86.1
90030	8	5	60.2	87.3
90030	8	6	59.7	87.9
90030	8	7	60.6	86.6
90030	8	8	63.9	81.7
90030	8	9	67.6	75.0
90030	8	10	71.3	68.5
90030	8	11	74.5	62.8
90030	8	12	77.1	58.6
90030	8	13	79.3	54.7
90030	8	14	80.6	52.6
90030	8	15	81.3	51.4
90030	8	16	81.3	51.6
90030	8	17	80.4	52.6
90030	8	18	79.0	55.1
90030	8	19	76.4	59.6
90030	8	20	72.7	66.0
90030	8	21	70.0	71.1

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	8	22	69.4	74.6
90010	8	23	68.0	76.7
90010	8	24	66.8	78.5
90010	9	1	58.2	80.1
90010	9	2	57.2	81.2
90010	9	3	56.3	82.4
90010	9	4	55.5	83.2
90010	9	5	54.5	84.1
90010	9	6	53.9	84.7
90010	9	7	53.6	85.0
90010	9	8	56.4	82.1
90010	9	9	60.4	76.5
90010	9	10	64.0	70.7
90010	9	11	67.3	65.6
90010	9	12	70.0	61.6
90010	9	13	72.2	58.6
90010	9	14	73.6	56.5
90010	9	15	74.2	55.8
90010	9	16	74.0	56.0
90010	9	17	73.1	57.3
90010	9	18	71.2	60.0
90010	9	19	67.9	65.2
90010	9	20	64.9	70.3
90010	9	21	63.0	73.2
90010	9	22	61.5	75.0
90010	9	23	60.0	77.4
90010	9	24	58.9	78.7
90010	10	1	46.5	76.1
90010	10	2	45.5	77.2
90010	10	3	44.5	78.4
90010	10	4	43.7	79.2
90010	10	5	42.9	80.1
90010	10	6	42.2	80.7
90010	10	7	41.9	81.0
90010	10	8	43.2	79.8
90010	10	9	47.6	74.8
90010	10	10	51.7	68.5
90010	10	11	55.3	63.2

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	8	22	68.0	74.5
90030	8	23	66.6	77.1
90030	8	24	65.3	79.5
90030	9	1	55.4	82.9
90030	9	2	54.3	84.4
90030	9	3	53.3	85.6
90030	9	4	52.4	86.5
90030	9	5	51.7	86.8
90030	9	6	51.0	87.7
90030	9	7	50.9	87.7
90030	9	8	54.1	83.8
90030	9	9	58.1	77.8
90030	9	10	62.2	70.8
90030	9	11	65.8	64.5
90030	9	12	68.9	59.4
90030	9	13	71.2	55.8
90030	9	14	72.6	53.6
90030	9	15	73.4	52.3
90030	9	16	73.1	52.7
90030	9	17	72.3	53.9
90030	9	18	70.2	57.3
90030	9	19	66.4	63.8
90030	9	20	62.9	70.6
90030	9	21	60.6	74.3
90030	9	22	58.9	77.0
90030	9	23	57.5	79.2
90030	9	24	56.1	81.1
90030	10	1	44.0	78.6
90030	10	2	43.0	79.8
90030	10	3	42.0	81.0
90030	10	4	41.1	81.9
90030	10	5	40.6	82.5
90030	10	6	39.8	82.8
90030	10	7	39.4	83.4
90030	10	8	40.8	81.9
90030	10	9	45.3	75.4
90030	10	10	49.7	68.0
90030	10	11	53.9	61.3

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	10	12	58.4	58.7
90010	10	13	60.8	55.5
90010	10	14	62.5	53.5
90010	10	15	63.3	52.4
90010	10	16	63.1	52.4
90010	10	17	61.8	54.0
90010	10	18	59.1	57.9
90010	10	19	55.6	63.0
90010	10	20	53.3	66.6
90010	10	21	51.5	69.3
90010	10	22	50.1	71.3
90010	10	23	48.6	73.1
90010	10	24	47.3	74.7
90010	11	1	38.5	70.3
90010	11	2	37.5	71.4
90010	11	3	36.7	72.2
90010	11	4	35.9	73.0
90010	11	5	35.1	73.5
90010	11	6	34.5	74.0
90010	11	7	34.1	74.3
90010	11	8	33.9	74.6
90010	11	9	36.7	72.5
90010	11	10	40.7	68.1
90010	11	11	44.2	63.7
90010	11	12	47.4	59.9
90010	11	13	49.6	57.7
90010	11	14	51.4	55.7
90010	11	15	52.2	54.7
90010	11	16	51.8	54.9
90010	11	17	50.2	56.2
90010	11	18	47.0	59.4
90010	11	19	45.0	61.8
90010	11	20	43.2	63.8
90010	11	21	41.9	65.5
90010	11	22	40.7	66.7
90010	11	23	39.7	67.7
90010	11	24	38.7	68.9
90010	12	1	28.9	68.3

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	10	12	57.3	56.1
90030	10	13	59.9	52.3
90030	10	14	61.5	50.0
90030	10	15	62.4	48.8
90030	10	16	62.3	48.8
90030	10	17	60.8	50.6
90030	10	18	57.6	55.3
90030	10	19	53.9	61.8
90030	10	20	51.3	66.7
90030	10	21	49.4	69.6
90030	10	22	47.8	72.2
90030	10	23	46.2	74.9
90030	10	24	44.9	76.9
90030	11	1	36.2	72.1
90030	11	2	35.2	73.2
90030	11	3	34.5	74.0
90030	11	4	33.8	74.6
90030	11	5	33.1	75.5
90030	11	6	32.4	76.0
90030	11	7	31.9	76.3
90030	11	8	31.9	76.3
90030	11	9	35.0	73.2
90030	11	10	38.8	68.4
90030	11	11	42.8	62.8
90030	11	12	46.1	58.3
90030	11	13	48.7	55.0
90030	11	14	50.4	52.9
90030	11	15	51.1	52.0
90030	11	16	50.8	52.3
90030	11	17	48.5	54.8
90030	11	18	45.4	58.5
90030	11	19	43.0	62.0
90030	11	20	41.1	64.6
90030	11	21	39.5	66.8
90030	11	22	38.5	68.1
90030	11	23	37.4	69.4
90030	11	24	36.6	70.7
90030	12	1	26.2	70.1

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	12	2	27.9	69.1
90010	12	3	27.2	69.9
90010	12	4	26.5	70.4
90010	12	5	25.9	71.0
90010	12	6	25.4	71.2
90010	12	7	24.9	71.5
90010	12	8	24.7	71.8
90010	12	9	25.9	70.7
90010	12	10	29.1	68.1
90010	12	11	32.5	64.6
90010	12	12	35.8	61.0
90010	12	13	38.3	58.9
90010	12	14	40.1	57.5
90010	12	15	41.1	56.4
90010	12	16	41.3	56.2
90010	12	17	39.7	57.6
90010	12	18	36.9	60.2
90010	12	19	35.1	61.7
90010	12	20	33.7	63.1
90010	12	21	32.3	64.5
90010	12	22	31.2	65.5
90010	12	23	30.2	66.5
90010	12	24	29.1	67.5

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	12	2	25.4	70.9
90030	12	3	24.8	71.2
90030	12	4	24.2	72.0
90030	12	5	23.3	72.6
90030	12	6	22.7	73.1
90030	12	7	22.3	73.4
90030	12	8	22.1	73.4
90030	12	9	23.1	72.5
90030	12	10	27.1	69.0
90030	12	11	31.0	64.6
90030	12	12	34.3	60.6
90030	12	13	37.2	57.5
90030	12	14	39.1	55.4
90030	12	15	39.9	54.4
90030	12	16	39.7	54.6
90030	12	17	37.6	56.6
90030	12	18	34.5	59.8
90030	12	19	32.4	62.1
90030	12	20	30.8	63.8
90030	12	21	29.6	65.3
90030	12	22	28.5	66.6
90030	12	23	27.5	67.9
90030	12	24	26.7	69.0

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	1	1	17.4	68.1
90050	1	2	16.5	68.6
90050	1	3	15.5	69.4
90050	1	4	14.6	70.0
90050	1	5	13.9	70.5
90050	1	6	13.4	70.8
90050	1	7	12.9	71.1
90050	1	8	12.7	71.0
90050	1	9	13.4	70.5
90050	1	10	16.7	68.3
90050	1	11	21.2	64.7
90050	1	12	25.4	61.4
90050	1	13	28.9	58.8
90050	1	14	31.5	57.2
90050	1	15	33.2	56.2
90050	1	16	33.4	55.7
90050	1	17	32.2	56.5
90050	1	18	29.4	58.8
90050	1	19	26.8	61.1
90050	1	20	24.7	63.0
90050	1	21	23.0	64.1
90050	1	22	21.4	65.4
90050	1	23	20.2	66.1
90050	1	24	18.8	67.1
90050	2	1	20.6	66.1
90050	2	2	19.5	67.2
90050	2	3	18.3	68.2
90050	2	4	17.3	69.0
90050	2	5	16.5	69.2
90050	2	6	15.7	69.8
90050	2	7	14.9	70.3
90050	2	8	14.5	70.6
90050	2	9	16.5	68.6
90050	2	10	20.4	64.6
90050	2	11	24.4	60.5
90050	2	12	28.2	57.2
90050	2	13	31.3	54.2
90050	2	14	33.9	52.1

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	1	1	22.6	68.2
90070	1	2	21.6	68.9
90070	1	3	20.8	69.8
90070	1	4	20.2	70.0
90070	1	5	19.6	70.6
90070	1	6	19.2	70.8
90070	1	7	18.8	71.1
90070	1	8	18.8	70.8
90070	1	9	19.6	70.6
90070	1	10	23.0	67.3
90070	1	11	26.9	63.5
90070	1	12	30.5	60.0
90070	1	13	33.4	57.2
90070	1	14	35.4	55.8
90070	1	15	36.4	55.0
90070	1	16	36.6	54.8
90070	1	17	35.0	56.2
90070	1	18	32.4	59.0
90070	1	19	30.3	61.3
90070	1	20	28.3	63.5
90070	1	21	26.9	64.7
90070	1	22	25.7	65.6
90070	1	23	24.7	66.4
90070	1	24	23.5	67.4
90070	2	1	25.3	67.0
90070	2	2	24.3	68.1
90070	2	3	23.6	68.6
90070	2	4	22.9	69.1
90070	2	5	22.1	69.9
90070	2	6	21.5	70.2
90070	2	7	20.9	70.7
90070	2	8	20.7	70.7
90070	2	9	22.7	68.5
90070	2	10	26.3	64.3
90070	2	11	29.8	59.7
90070	2	12	32.9	56.1
90070	2	13	35.4	53.5
90070	2	14	37.3	51.8

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	2	15	35.5	51.0
90050	2	16	36.1	50.5
90050	2	17	35.7	50.9
90050	2	18	33.5	52.7
90050	2	19	30.4	56.0
90050	2	20	28.2	58.7
90050	2	21	26.2	60.7
90050	2	22	24.6	62.4
90050	2	23	23.2	63.9
90050	2	24	21.8	65.1
90050	3	1	28.6	65.2
90050	3	2	27.6	66.7
90050	3	3	26.5	68.1
90050	3	4	25.5	69.4
90050	3	5	24.7	70.2
90050	3	6	24.0	71.1
90050	3	7	23.3	71.6
90050	3	8	24.5	70.8
90050	3	9	28.3	66.0
90050	3	10	32.0	60.5
90050	3	11	35.8	55.6
90050	3	12	39.0	52.0
90050	3	13	41.9	49.1
90050	3	14	43.8	47.4
90050	3	15	45.2	46.2
90050	3	16	45.5	45.7
90050	3	17	45.2	46.0
90050	3	18	43.3	47.7
90050	3	19	40.4	50.7
90050	3	20	37.5	54.3
90050	3	21	35.1	57.4
90050	3	22	33.4	59.7
90050	3	23	32.0	61.5
90050	3	24	30.6	63.5
90050	4	1	38.4	65.6
90050	4	2	37.1	67.3
90050	4	3	35.8	69.2
90050	4	4	34.9	70.5

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	2	15	38.5	50.6
90070	2	16	38.8	50.5
90070	2	17	38.1	51.2
90070	2	18	36.1	53.4
90070	2	19	33.2	56.9
90070	2	20	31.4	59.6
90070	2	21	29.8	61.8
90070	2	22	28.7	63.2
90070	2	23	27.5	64.4
90070	2	24	26.3	66.3
90070	3	1	32.8	66.8
90070	3	2	31.8	68.4
90070	3	3	31.1	69.5
90070	3	4	30.3	70.6
90070	3	5	29.6	71.4
90070	3	6	29.0	72.6
90070	3	7	28.6	72.8
90070	3	8	29.9	71.4
90070	3	9	33.3	66.0
90070	3	10	36.6	60.4
90070	3	11	39.8	55.5
90070	3	12	42.5	51.9
90070	3	13	44.7	49.1
90070	3	14	46.2	47.8
90070	3	15	47.1	46.9
90070	3	16	47.2	46.6
90070	3	17	46.6	47.3
90070	3	18	44.9	49.2
90070	3	19	42.1	52.7
90070	3	20	39.6	56.7
90070	3	21	37.9	59.3
90070	3	22	36.6	61.7
90070	3	23	35.4	63.6
90070	3	24	34.3	65.6
90070	4	1	41.9	68.2
90070	4	2	40.9	69.8
90070	4	3	39.9	71.1
90070	4	4	39.1	72.4

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	4	5	33.9	71.9
90050	4	6	33.1	73.0
90050	4	7	33.7	72.8
90050	4	8	37.1	68.8
90050	4	9	41.0	62.5
90050	4	10	44.9	57.0
90050	4	11	48.5	52.2
90050	4	12	51.5	48.6
90050	4	13	54.0	46.2
90050	4	14	55.9	44.3
90050	4	15	57.0	43.3
90050	4	16	57.2	43.1
90050	4	17	56.6	43.5
90050	4	18	55.1	44.9
90050	4	19	52.3	47.6
90050	4	20	49.0	51.7
90050	4	21	46.2	55.3
90050	4	22	44.1	58.5
90050	4	23	42.2	60.9
90050	4	24	40.5	63.5
90050	5	1	49.1	72.9
90050	5	2	47.8	75.4
90050	5	3	46.4	77.3
90050	5	4	45.4	78.8
90050	5	5	44.5	80.2
90050	5	6	43.9	81.1
90050	5	7	46.4	78.2
90050	5	8	50.2	72.5
90050	5	9	54.2	66.0
90050	5	10	58.1	60.2
90050	5	11	61.5	55.2
90050	5	12	64.3	51.6
90050	5	13	66.6	48.9
90050	5	14	68.1	47.1
90050	5	15	69.1	46.0
90050	5	16	69.1	45.9
90050	5	17	68.5	46.3
90050	5	18	66.9	48.0

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	4	5	38.4	73.2
90070	4	6	37.7	74.7
90070	4	7	38.4	74.1
90070	4	8	41.6	69.3
90070	4	9	45.0	63.0
90070	4	10	48.4	57.0
90070	4	11	51.3	52.2
90070	4	12	53.9	49.0
90070	4	13	55.7	46.8
90070	4	14	57.1	45.0
90070	4	15	57.8	44.4
90070	4	16	57.8	44.4
90070	4	17	57.0	45.4
90070	4	18	55.6	47.0
90070	4	19	53.0	50.4
90070	4	20	49.9	55.0
90070	4	21	47.8	58.8
90070	4	22	46.3	61.7
90070	4	23	44.7	64.0
90070	4	24	43.5	66.2
90070	5	1	51.6	75.4
90070	5	2	50.6	77.1
90070	5	3	49.5	79.1
90070	5	4	48.8	80.6
90070	5	5	48.1	81.5
90070	5	6	47.7	82.4
90070	5	7	50.1	79.1
90070	5	8	53.6	72.5
90070	5	9	57.2	65.6
90070	5	10	60.5	59.9
90070	5	11	63.3	55.3
90070	5	12	65.6	52.0
90070	5	13	67.3	49.7
90070	5	14	68.3	48.4
90070	5	15	69.0	47.6
90070	5	16	68.6	47.9
90070	5	17	67.9	48.5
90070	5	18	66.5	50.4

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	5	19	64.5	50.6
90050	5	20	61.0	55.1
90050	5	21	57.5	60.6
90050	5	22	54.9	64.3
90050	5	23	53.0	67.6
90050	5	24	51.2	70.6
90050	6	1	57.6	76.8
90050	6	2	56.3	78.8
90050	6	3	55.0	80.7
90050	6	4	54.0	82.2
90050	6	5	52.9	83.7
90050	6	6	52.8	84.3
90050	6	7	55.5	81.1
90050	6	8	59.0	75.6
90050	6	9	62.6	70.0
90050	6	10	66.2	64.8
90050	6	11	69.5	59.7
90050	6	12	72.3	55.7
90050	6	13	74.3	52.7
90050	6	14	75.7	50.6
90050	6	15	76.5	49.6
90050	6	16	76.6	49.5
90050	6	17	75.9	50.3
90050	6	18	74.4	51.9
90050	6	19	72.3	54.7
90050	6	20	69.1	59.2
90050	6	21	65.3	64.9
90050	6	22	62.9	68.8
90050	6	23	60.9	71.7
90050	6	24	59.3	74.2
90050	7	1	62.9	78.7
90050	7	2	61.6	80.6
90050	7	3	60.3	82.6
90050	7	4	59.3	83.8
90050	7	5	58.4	85.3
90050	7	6	58.0	85.9
90050	7	7	60.1	83.5
90050	7	8	63.7	77.9

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	5	19	64.1	53.5
90070	5	20	61.0	58.6
90070	5	21	58.1	64.0
90070	5	22	56.1	67.7
90070	5	23	54.5	70.7
90070	5	24	53.2	73.3
90070	6	1	60.7	78.8
90070	6	2	59.5	80.8
90070	6	3	58.5	82.2
90070	6	4	57.6	83.7
90070	6	5	56.9	84.6
90070	6	6	56.8	85.2
90070	6	7	59.5	81.4
90070	6	8	62.8	75.6
90070	6	9	66.3	69.7
90070	6	10	69.3	64.7
90070	6	11	72.3	60.1
90070	6	12	74.5	56.4
90070	6	13	76.1	54.1
90070	6	14	77.2	52.3
90070	6	15	77.6	51.6
90070	6	16	77.5	51.8
90070	6	17	76.7	52.8
90070	6	18	75.2	54.7
90070	6	19	73.1	58.1
90070	6	20	70.0	62.9
90070	6	21	66.9	68.2
90070	6	22	64.8	72.1
90070	6	23	63.3	74.3
90070	6	24	62.0	76.7
90070	7	1	66.5	80.7
90070	7	2	65.5	82.4
90070	7	3	64.6	83.8
90070	7	4	63.6	85.0
90070	7	5	62.9	86.1
90070	7	6	62.6	86.8
90070	7	7	64.8	83.5
90070	7	8	68.1	77.8

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	7	9	67.4	72.1
90050	7	10	71.2	66.1
90050	7	11	74.4	61.3
90050	7	12	77.2	57.0
90050	7	13	79.2	53.9
90050	7	14	80.6	51.9
90050	7	15	81.3	50.9
90050	7	16	81.3	50.9
90050	7	17	80.6	51.9
90050	7	18	79.2	53.7
90050	7	19	77.0	57.0
90050	7	20	73.9	61.8
90050	7	21	70.2	67.9
90050	7	22	67.9	71.6
90050	7	23	66.0	74.3
90050	7	24	64.4	76.9
90050	8	1	61.2	81.5
90050	8	2	60.0	83.2
90050	8	3	58.9	84.4
90050	8	4	57.9	85.9
90050	8	5	57.0	86.8
90050	8	6	56.3	87.4
90050	8	7	57.2	86.8
90050	8	8	60.6	82.1
90050	8	9	64.6	75.5
90050	8	10	68.4	69.2
90050	8	11	72.0	63.6
90050	8	12	74.9	59.2
90050	8	13	77.2	55.4
90050	8	14	78.6	53.3
90050	8	15	79.3	52.3
90050	8	16	79.3	52.3
90050	8	17	78.4	53.3
90050	8	18	76.9	55.4
90050	8	19	74.3	59.5
90050	8	20	70.4	66.0
90050	8	21	67.4	70.8
90050	8	22	65.4	74.3

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	7	9	71.5	71.7
90070	7	10	74.8	65.8
90070	7	11	77.4	61.4
90070	7	12	79.7	57.7
90070	7	13	81.2	55.4
90070	7	14	82.3	53.6
90070	7	15	82.8	53.0
90070	7	16	82.8	53.1
90070	7	17	82.0	54.3
90070	7	18	80.6	56.7
90070	7	19	78.5	60.1
90070	7	20	75.5	65.6
90070	7	21	72.3	71.3
90070	7	22	70.5	74.7
90070	7	23	69.0	77.0
90070	7	24	67.8	79.1
90070	8	1	65.1	83.0
90070	8	2	64.2	84.4
90070	8	3	63.3	85.6
90070	8	4	62.5	86.4
90070	8	5	61.8	87.0
90070	8	6	61.2	87.9
90070	8	7	62.2	86.7
90070	8	8	65.5	81.5
90070	8	9	69.1	74.9
90070	8	10	72.5	68.6
90070	8	11	75.3	63.4
90070	8	12	77.7	59.5
90070	8	13	79.3	56.5
90070	8	14	80.5	54.7
90070	8	15	80.9	54.0
90070	8	16	80.8	54.4
90070	8	17	79.9	55.6
90070	8	18	78.3	58.2
90070	8	19	75.8	62.8
90070	8	20	72.6	68.6
90070	8	21	70.1	73.4
90070	8	22	68.5	76.7

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	8	23	63.7	77.1
90050	8	24	62.3	79.3
90050	9	1	53.2	82.4
90050	9	2	52.2	83.3
90050	9	3	51.1	84.8
90050	9	4	50.2	85.7
90050	9	5	49.4	86.3
90050	9	6	48.7	87.0
90050	9	7	48.4	87.3
90050	9	8	51.4	84.2
90050	9	9	55.4	78.4
90050	9	10	59.7	71.8
90050	9	11	63.4	65.6
90050	9	12	66.5	60.7
90050	9	13	68.9	57.1
90050	9	14	70.6	54.5
90050	9	15	71.5	53.2
90050	9	16	71.3	53.4
90050	9	17	70.4	54.6
90050	9	18	68.3	57.6
90050	9	19	64.4	64.1
90050	9	20	60.8	70.4
90050	9	21	58.7	73.6
90050	9	22	56.9	76.2
90050	9	23	55.3	78.7
90050	9	24	53.9	80.7
90050	10	1	42.1	77.5
90050	10	2	41.0	79.0
90050	10	3	39.9	80.2
90050	10	4	39.1	81.1
90050	10	5	38.4	81.7
90050	10	6	37.6	82.3
90050	10	7	37.1	82.9
90050	10	8	38.5	81.4
90050	10	9	42.9	76.1
90050	10	10	47.4	69.1
90050	10	11	51.5	62.9
90050	10	12	55.1	58.0

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	8	23	67.2	79.1
90070	8	24	66.0	81.0
90070	9	1	57.2	83.0
90070	9	2	56.2	84.2
90070	9	3	55.4	85.4
90070	9	4	54.6	86.3
90070	9	5	53.9	86.9
90070	9	6	53.3	87.2
90070	9	7	53.2	87.5
90070	9	8	56.3	83.6
90070	9	9	60.3	77.1
90070	9	10	64.0	70.4
90070	9	11	67.1	64.6
90070	9	12	69.7	60.0
90070	9	13	71.5	57.2
90070	9	14	72.8	55.2
90070	9	15	73.3	54.5
90070	9	16	72.9	54.8
90070	9	17	71.9	56.5
90070	9	18	69.9	59.8
90070	9	19	66.5	66.2
90070	9	20	63.3	72.5
90070	9	21	61.4	76.1
90070	9	22	60.0	77.9
90070	9	23	58.8	80.1
90070	9	24	57.7	81.5
90070	10	1	45.9	79.1
90070	10	2	45.1	80.0
90070	10	3	44.3	80.8
90070	10	4	43.4	82.1
90070	10	5	42.9	82.3
90070	10	6	42.3	82.9
90070	10	7	41.9	83.2
90070	10	8	43.6	81.4
90070	10	9	48.0	75.1
90070	10	10	52.1	67.5
90070	10	11	55.6	61.3
90070	10	12	58.5	56.7

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	10	13	57.9	54.0
90050	10	14	59.8	51.5
90050	10	15	60.7	50.2
90050	10	16	60.7	49.9
90050	10	17	59.3	51.6
90050	10	18	56.0	55.9
90050	10	19	52.1	62.0
90050	10	20	49.6	66.2
90050	10	21	47.6	69.4
90050	10	22	45.9	72.0
90050	10	23	44.3	74.1
90050	10	24	42.9	76.1
90050	11	1	33.7	71.9
90050	11	2	32.7	72.6
90050	11	3	32.0	73.5
90050	11	4	31.2	74.0
90050	11	5	30.4	74.9
90050	11	6	29.8	75.1
90050	11	7	29.0	76.0
90050	11	8	29.0	76.0
90050	11	9	32.0	73.5
90050	11	10	36.1	68.9
90050	11	11	40.2	64.0
90050	11	12	43.8	59.7
90050	11	13	46.5	56.8
90050	11	14	48.3	54.8
90050	11	15	49.3	53.6
90050	11	16	48.9	53.8
90050	11	17	46.9	55.7
90050	11	18	43.6	58.9
90050	11	19	41.0	62.3
90050	11	20	39.1	64.6
90050	11	21	37.5	66.6
90050	11	22	36.3	67.8
90050	11	23	35.1	69.1
90050	11	24	34.1	70.1
90050	12	1	23.6	70.1
90050	12	2	22.7	70.9

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	10	13	60.6	53.4
90070	10	14	61.8	51.6
90070	10	15	62.5	50.5
90070	10	16	62.2	50.9
90070	10	17	60.7	53.0
90070	10	18	57.7	57.9
90070	10	19	54.3	64.0
90070	10	20	52.1	68.3
90070	10	21	50.5	71.4
90070	10	22	49.1	73.8
90070	10	23	47.7	75.9
90070	10	24	46.6	77.3
90070	11	1	37.7	72.9
90070	11	2	36.9	73.7
90070	11	3	36.2	74.5
90070	11	4	35.5	75.4
90070	11	5	35.0	75.6
90070	11	6	34.5	76.2
90070	11	7	34.0	76.5
90070	11	8	34.0	76.5
90070	11	9	37.1	73.7
90070	11	10	41.0	68.4
90070	11	11	44.7	63.0
90070	11	12	47.6	59.0
90070	11	13	49.8	56.1
90070	11	14	51.3	54.1
90070	11	15	51.8	53.3
90070	11	16	51.3	53.7
90070	11	17	49.3	56.2
90070	11	18	46.2	60.0
90070	11	19	44.0	63.4
90070	11	20	42.1	65.8
90070	11	21	40.8	67.8
90070	11	22	39.8	69.1
90070	11	23	38.9	70.1
90070	11	24	38.1	71.2
90070	12	1	28.1	70.6
90070	12	2	27.5	71.2

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	12	3	22.0	71.5
90050	12	4	21.3	72.0
90050	12	5	20.4	72.5
90050	12	6	19.9	72.8
90050	12	7	19.2	73.4
90050	12	8	19.2	73.1
90050	12	9	20.1	72.2
90050	12	10	23.9	69.5
90050	12	11	28.1	65.4
90050	12	12	31.8	61.5
90050	12	13	34.6	59.1
90050	12	14	36.7	57.2
90050	12	15	37.9	55.9
90050	12	16	37.9	55.9
90050	12	17	35.8	57.5
90050	12	18	32.5	60.6
90050	12	19	30.4	62.7
90050	12	20	28.8	64.3
90050	12	21	27.4	65.6
90050	12	22	26.2	66.8
90050	12	23	25.0	67.9
90050	12	24	24.1	68.9

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	12	3	26.9	71.4
90070	12	4	26.3	72.3
90070	12	5	25.7	72.8
90070	12	6	25.3	72.8
90070	12	7	24.9	73.4
90070	12	8	24.7	73.3
90070	12	9	25.7	72.5
90070	12	10	29.5	69.0
90070	12	11	33.3	64.4
90070	12	12	36.5	60.4
90070	12	13	39.1	57.5
90070	12	14	40.5	56.1
90070	12	15	41.3	55.1
90070	12	16	40.9	55.5
90070	12	17	38.9	57.3
90070	12	18	36.1	60.6
90070	12	19	34.1	62.9
90070	12	20	32.5	64.6
90070	12	21	31.3	66.1
90070	12	22	30.3	67.4
90070	12	23	29.5	68.1
90070	12	24	28.7	69.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	1	1	22.0	67.2
90090	1	2	21.0	68.3
90090	1	3	20.3	68.8
90090	1	4	19.7	69.0
90090	1	5	19.1	69.6
90090	1	6	18.4	70.1
90090	1	7	18.0	70.4
90090	1	8	17.8	70.7
90090	1	9	18.6	70.1
90090	1	10	21.6	67.4
90090	1	11	25.4	64.2
90090	1	12	29.0	60.9
90090	1	13	31.9	58.5
90090	1	14	34.0	56.8
90090	1	15	35.3	56.0
90090	1	16	35.5	55.6
90090	1	17	34.4	56.6
90090	1	18	32.1	58.7
90090	1	19	29.8	61.0
90090	1	20	28.1	62.3
90090	1	21	26.6	63.8
90090	1	22	25.4	64.7
90090	1	23	24.3	65.4
90090	1	24	23.3	66.2
90090	2	1	24.5	65.8
90090	2	2	23.4	67.1
90090	2	3	22.5	67.9
90090	2	4	21.6	68.6
90090	2	5	20.9	69.2
90090	2	6	20.2	69.7
90090	2	7	19.7	69.9
90090	2	8	19.3	70.2
90090	2	9	21.3	67.7
90090	2	10	24.5	64.0
90090	2	11	27.9	60.2
90090	2	12	30.9	57.1
90090	2	13	33.8	54.1
90090	2	14	35.7	52.4

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	1	1	22.9	68.2
90110	1	2	21.9	69.0
90110	1	3	21.3	69.2
90110	1	4	20.6	69.7
90110	1	5	20.2	70.0
90110	1	6	19.6	70.6
90110	1	7	19.2	71.1
90110	1	8	19.0	71.1
90110	1	9	20.0	70.3
90110	1	10	23.5	67.1
90110	1	11	27.6	63.1
90110	1	12	31.3	59.4
90110	1	13	34.3	56.8
90110	1	14	36.2	55.2
90110	1	15	37.4	54.2
90110	1	16	37.4	54.5
90110	1	17	35.8	55.9
90110	1	18	32.9	58.8
90110	1	19	30.7	61.4
90110	1	20	28.8	63.5
90110	1	21	27.4	64.7
90110	1	22	26.0	65.7
90110	1	23	25.1	66.4
90110	1	24	24.1	67.2
90110	2	1	25.4	66.7
90110	2	2	24.4	67.8
90110	2	3	23.6	68.6
90110	2	4	22.9	69.1
90110	2	5	22.2	69.6
90110	2	6	21.5	70.2
90110	2	7	20.9	70.7
90110	2	8	20.7	71.0
90110	2	9	22.9	68.2
90110	2	10	26.6	63.8
90110	2	11	30.2	59.2
90110	2	12	33.4	55.7
90110	2	13	35.9	53.1
90110	2	14	37.8	51.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	2	15	37.2	51.1
90090	2	16	37.7	50.7
90090	2	17	37.2	51.3
90090	2	18	35.2	53.4
90090	2	19	32.5	56.6
90090	2	20	30.7	59.0
90090	2	21	29.1	60.9
90090	2	22	27.9	62.3
90090	2	23	26.6	63.8
90090	2	24	25.6	65.0
90090	3	1	32.5	65.4
90090	3	2	31.6	66.9
90090	3	3	30.7	68.3
90090	3	4	29.9	69.3
90090	3	5	29.2	70.1
90090	3	6	28.6	71.0
90090	3	7	28.0	71.5
90090	3	8	29.2	70.1
90090	3	9	32.2	65.6
90090	3	10	35.3	60.7
90090	3	11	38.5	55.8
90090	3	12	41.3	52.2
90090	3	13	43.6	49.4
90090	3	14	45.2	47.6
90090	3	15	46.3	46.8
90090	3	16	46.7	46.1
90090	3	17	46.1	46.8
90090	3	18	44.6	48.3
90090	3	19	42.1	51.6
90090	3	20	39.7	55.0
90090	3	21	37.9	57.8
90090	3	22	36.5	59.9
90090	3	23	35.3	61.7
90090	3	24	34.1	64.0
90090	4	1	41.6	66.0
90090	4	2	40.6	67.5
90090	4	3	39.4	69.3
90090	4	4	38.6	70.6

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	2	15	39.1	49.9
90110	2	16	39.3	49.9
90110	2	17	38.5	50.6
90110	2	18	36.3	53.2
90110	2	19	33.4	56.9
90110	2	20	31.4	59.6
90110	2	21	29.8	61.5
90110	2	22	28.6	63.2
90110	2	23	27.3	65.0
90110	2	24	26.3	66.3
90110	3	1	32.6	66.8
90110	3	2	31.7	68.1
90110	3	3	31.0	69.2
90110	3	4	30.3	70.3
90110	3	5	29.5	71.1
90110	3	6	28.9	72.2
90110	3	7	28.5	72.5
90110	3	8	30.0	70.8
90110	3	9	33.3	65.5
90110	3	10	36.9	59.7
90110	3	11	40.1	54.9
90110	3	12	42.9	51.3
90110	3	13	45.1	48.6
90110	3	14	46.5	47.0
90110	3	15	47.3	46.4
90110	3	16	47.4	46.2
90110	3	17	46.7	47.1
90110	3	18	44.9	48.8
90110	3	19	42.1	52.3
90110	3	20	39.6	56.2
90110	3	21	37.7	59.3
90110	3	22	36.3	61.9
90110	3	23	35.1	63.8
90110	3	24	34.1	65.3
90110	4	1	41.6	67.6
90110	4	2	40.6	69.2
90110	4	3	39.7	70.7
90110	4	4	38.7	72.4

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	4	5	37.8	71.7
90090	4	6	37.1	72.8
90090	4	7	37.5	72.6
90090	4	8	40.6	68.3
90090	4	9	43.9	62.4
90090	4	10	47.1	57.1
90090	4	11	50.2	52.7
90090	4	12	52.8	49.2
90090	4	13	54.8	46.9
90090	4	14	56.4	45.1
90090	4	15	57.5	44.0
90090	4	16	57.6	43.9
90090	4	17	56.9	44.5
90090	4	18	55.6	45.9
90090	4	19	53.2	48.7
90090	4	20	50.2	52.9
90090	4	21	48.0	56.3
90090	4	22	46.3	59.3
90090	4	23	44.7	61.7
90090	4	24	43.4	63.9
90090	5	1	51.7	72.9
90090	5	2	50.5	75.0
90090	5	3	49.4	77.0
90090	5	4	48.6	78.1
90090	5	5	47.8	79.6
90090	5	6	47.3	80.5
90090	5	7	49.3	78.2
90090	5	8	52.5	72.1
90090	5	9	56.0	66.0
90090	5	10	59.2	60.6
90090	5	11	62.0	56.1
90090	5	12	64.5	52.4
90090	5	13	66.4	49.8
90090	5	14	67.7	48.0
90090	5	15	68.5	47.2
90090	5	16	68.4	47.0
90090	5	17	67.7	47.8
90090	5	18	66.4	49.2

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	4	5	38.1	72.9
90110	4	6	37.6	74.1
90110	4	7	38.1	73.5
90110	4	8	41.4	68.7
90110	4	9	44.9	62.3
90110	4	10	48.3	56.1
90110	4	11	51.1	51.6
90110	4	12	53.6	48.2
90110	4	13	55.4	46.2
90110	4	14	56.6	44.6
90110	4	15	57.3	44.0
90110	4	16	57.3	43.8
90110	4	17	56.3	44.9
90110	4	18	55.0	46.5
90110	4	19	52.4	49.9
90110	4	20	49.4	54.5
90110	4	21	47.3	58.3
90110	4	22	45.7	61.4
90110	4	23	44.2	63.7
90110	4	24	42.9	65.9
90110	5	1	51.0	75.4
90110	5	2	50.0	77.3
90110	5	3	49.1	79.1
90110	5	4	48.3	80.2
90110	5	5	47.7	81.4
90110	5	6	47.4	81.7
90110	5	7	49.6	78.8
90110	5	8	53.1	72.5
90110	5	9	56.8	65.3
90110	5	10	60.0	59.6
90110	5	11	62.8	55.0
90110	5	12	65.0	51.7
90110	5	13	66.6	49.6
90110	5	14	67.7	48.0
90110	5	15	68.1	47.7
90110	5	16	67.8	47.8
90110	5	17	67.2	48.2
90110	5	18	65.7	50.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	5	19	64.2	52.1
90090	5	20	61.2	56.9
90090	5	21	58.4	61.6
90090	5	22	56.4	65.2
90090	5	23	54.8	68.1
90090	5	24	53.4	70.6
90090	6	1	60.9	76.0
90090	6	2	59.7	77.9
90090	6	3	58.6	79.8
90090	6	4	57.7	81.2
90090	6	5	56.9	82.7
90090	6	6	56.6	83.3
90090	6	7	59.0	80.2
90090	6	8	62.0	75.0
90090	6	9	65.2	69.8
90090	6	10	68.5	64.6
90090	6	11	71.4	59.8
90090	6	12	73.9	55.9
90090	6	13	75.6	53.2
90090	6	14	77.0	51.4
90090	6	15	77.5	50.5
90090	6	16	77.5	50.5
90090	6	17	76.7	51.5
90090	6	18	75.3	53.2
90090	6	19	73.5	55.9
90090	6	20	70.6	60.1
90090	6	21	67.5	65.4
90090	6	22	65.4	69.1
90090	6	23	63.7	71.4
90090	6	24	62.4	73.4
90090	7	1	66.8	77.7
90090	7	2	65.6	79.8
90090	7	3	64.5	81.5
90090	7	4	63.6	82.9
90090	7	5	62.8	84.0
90090	7	6	62.4	84.6
90090	7	7	64.4	82.0
90090	7	8	67.5	76.9

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	5	19	63.3	53.4
90110	5	20	60.3	58.5
90110	5	21	57.3	63.9
90110	5	22	55.4	67.4
90110	5	23	53.8	70.6
90110	5	24	52.5	73.3
90110	6	1	59.6	79.0
90110	6	2	58.6	80.7
90110	6	3	57.7	82.2
90110	6	4	56.9	83.3
90110	6	5	56.3	84.2
90110	6	6	56.3	84.5
90110	6	7	58.7	81.0
90110	6	8	62.1	75.3
90110	6	9	65.6	69.3
90110	6	10	68.7	64.1
90110	6	11	71.4	59.6
90110	6	12	73.5	56.1
90110	6	13	75.1	53.7
90110	6	14	76.2	52.0
90110	6	15	76.5	51.3
90110	6	16	76.4	51.5
90110	6	17	75.5	52.6
90110	6	18	74.1	54.6
90110	6	19	71.9	57.9
90110	6	20	68.9	62.8
90110	6	21	65.8	68.4
90110	6	22	63.9	71.7
90110	6	23	62.3	74.2
90110	6	24	61.1	76.6
90110	7	1	65.9	81.0
90110	7	2	65.0	82.4
90110	7	3	64.1	83.8
90110	7	4	63.3	84.9
90110	7	5	62.6	86.1
90110	7	6	62.4	86.4
90110	7	7	64.5	83.2
90110	7	8	67.7	77.5

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	7	9	70.7	71.4
90090	7	10	73.9	65.9
90090	7	11	76.7	61.6
90090	7	12	79.3	57.5
90090	7	13	81.0	54.6
90090	7	14	82.2	52.9
90090	7	15	82.9	51.7
90090	7	16	82.9	51.7
90090	7	17	82.2	52.9
90090	7	18	80.9	54.8
90090	7	19	78.9	57.8
90090	7	20	76.1	62.6
90090	7	21	73.0	67.9
90090	7	22	71.1	71.4
90090	7	23	69.5	73.9
90090	7	24	68.2	76.1
90090	8	1	65.1	80.6
90090	8	2	64.2	82.0
90090	8	3	63.1	83.4
90090	8	4	62.3	84.6
90090	8	5	61.6	85.5
90090	8	6	60.9	86.3
90090	8	7	61.7	85.5
90090	8	8	64.7	80.9
90090	8	9	68.1	74.8
90090	8	10	71.4	68.7
90090	8	11	74.5	63.7
90090	8	12	76.8	59.6
90090	8	13	78.8	56.2
90090	8	14	80.1	54.1
90090	8	15	80.8	53.0
90090	8	16	80.8	53.0
90090	8	17	79.9	54.2
90090	8	18	78.4	56.6
90090	8	19	76.2	60.4
90090	8	20	72.9	66.3
90090	8	21	70.4	70.9
90090	8	22	68.8	73.8

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	7	9	71.1	71.4
90110	7	10	74.2	65.5
90110	7	11	76.8	60.9
90110	7	12	78.9	57.2
90110	7	13	80.4	54.9
90110	7	14	81.4	53.3
90110	7	15	81.9	52.5
90110	7	16	81.8	52.8
90110	7	17	81.2	53.8
90110	7	18	79.7	56.3
90110	7	19	77.7	59.8
90110	7	20	74.7	65.1
90110	7	21	71.6	71.0
90110	7	22	69.7	74.9
90110	7	23	68.4	77.0
90110	7	24	67.1	79.1
90110	8	1	64.8	82.9
90110	8	2	63.9	84.4
90110	8	3	63.2	85.2
90110	8	4	62.4	86.4
90110	8	5	61.8	87.0
90110	8	6	61.2	87.9
90110	8	7	62.3	86.1
90110	8	8	65.4	81.2
90110	8	9	69.0	74.6
90110	8	10	72.4	68.1
90110	8	11	75.3	62.7
90110	8	12	77.4	59.1
90110	8	13	79.0	56.1
90110	8	14	80.1	54.3
90110	8	15	80.5	53.6
90110	8	16	80.3	54.1
90110	8	17	79.3	55.7
90110	8	18	77.8	58.3
90110	8	19	75.4	62.7
90110	8	20	72.0	69.1
90110	8	21	69.7	73.6
90110	8	22	68.0	76.9

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	8	23	67.4	76.6
90090	8	24	66.2	78.4
90090	9	1	57.3	80.9
90090	9	2	56.2	82.3
90090	9	3	55.3	83.5
90090	9	4	54.5	84.4
90090	9	5	53.8	85.0
90090	9	6	53.1	85.9
90090	9	7	52.8	86.2
90090	9	8	55.6	82.6
90090	9	9	59.2	77.0
90090	9	10	62.9	70.8
90090	9	11	66.1	65.2
90090	9	12	68.9	60.5
90090	9	13	71.0	57.2
90090	9	14	72.3	55.1
90090	9	15	73.1	53.8
90090	9	16	73.0	53.8
90090	9	17	72.0	55.5
90090	9	18	70.2	58.3
90090	9	19	66.8	64.1
90090	9	20	63.9	69.7
90090	9	21	61.9	73.1
90090	9	22	60.4	75.4
90090	9	23	59.1	77.6
90090	9	24	57.8	79.5
90090	10	1	45.7	77.0
90090	10	2	44.8	78.1
90090	10	3	44.0	78.9
90090	10	4	43.1	80.1
90090	10	5	42.3	80.7
90090	10	6	41.7	81.3
90090	10	7	41.3	81.6
90090	10	8	42.6	80.1
90090	10	9	46.6	74.7
90090	10	10	50.6	68.4
90090	10	11	54.3	62.5
90090	10	12	57.4	57.9

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	8	23	66.8	79.0
90110	8	24	65.7	81.2
90110	9	1	57.1	83.3
90110	9	2	56.2	84.5
90110	9	3	55.4	85.7
90110	9	4	54.7	86.3
90110	9	5	54.2	86.6
90110	9	6	53.5	87.5
90110	9	7	53.4	87.5
90110	9	8	56.5	83.6
90110	9	9	60.4	77.1
90110	9	10	64.1	70.2
90110	9	11	67.3	64.0
90110	9	12	69.9	59.6
90110	9	13	71.7	56.4
90110	9	14	72.8	54.6
90110	9	15	73.3	53.9
90110	9	16	72.9	54.4
90110	9	17	71.8	56.3
90110	9	18	69.7	59.8
90110	9	19	66.3	66.2
90110	9	20	63.2	72.4
90110	9	21	61.4	76.1
90110	9	22	59.9	78.2
90110	9	23	58.6	80.7
90110	9	24	57.6	81.8
90110	10	1	45.7	79.1
90110	10	2	44.9	80.3
90110	10	3	44.0	81.1
90110	10	4	43.3	81.7
90110	10	5	42.8	82.0
90110	10	6	42.2	82.6
90110	10	7	41.8	82.9
90110	10	8	43.3	81.1
90110	10	9	47.8	75.1
90110	10	10	52.1	67.5
90110	10	11	55.9	61.1
90110	10	12	58.8	56.3

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	10	13	59.8	54.3
90090	10	14	61.4	52.1
90090	10	15	62.3	50.9
90090	10	16	62.2	50.7
90090	10	17	60.8	52.4
90090	10	18	58.0	56.6
90090	10	19	54.6	62.3
90090	10	20	52.4	66.3
90090	10	21	50.6	69.2
90090	10	22	49.1	71.5
90090	10	23	47.8	73.3
90090	10	24	46.6	75.0
90090	11	1	37.0	71.0
90090	11	2	36.1	72.1
90090	11	3	35.4	72.9
90090	11	4	34.4	73.7
90090	11	5	33.7	74.3
90090	11	6	33.2	74.8
90090	11	7	32.6	75.4
90090	11	8	32.6	75.4
90090	11	9	35.4	72.6
90090	11	10	39.3	68.2
90090	11	11	43.0	63.3
90090	11	12	46.1	59.3
90090	11	13	48.5	56.6
90090	11	14	50.2	54.6
90090	11	15	50.9	53.6
90090	11	16	50.7	53.6
90090	11	17	48.7	55.7
90090	11	18	45.7	59.0
90090	11	19	43.5	62.1
90090	11	20	41.8	64.2
90090	11	21	40.4	66.1
90090	11	22	39.3	67.3
90090	11	23	38.3	68.3
90090	11	24	37.4	69.6
90090	12	1	27.4	69.3
90090	12	2	26.8	69.9

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	10	13	60.9	53.3
90110	10	14	62.2	51.3
90110	10	15	62.9	50.2
90110	10	16	62.5	50.5
90110	10	17	60.9	52.7
90110	10	18	57.6	57.9
90110	10	19	54.1	64.2
90110	10	20	51.9	68.6
90110	10	21	50.2	71.6
90110	10	22	48.8	74.0
90110	10	23	47.5	75.9
90110	10	24	46.4	77.3
90110	11	1	37.6	72.9
90110	11	2	36.7	74.0
90110	11	3	36.1	74.8
90110	11	4	35.5	75.1
90110	11	5	34.8	75.9
90110	11	6	34.3	76.2
90110	11	7	33.8	76.8
90110	11	8	34.0	76.5
90110	11	9	36.9	73.7
90110	11	10	41.1	68.4
90110	11	11	45.1	62.8
90110	11	12	48.2	58.6
90110	11	13	50.4	55.7
90110	11	14	51.8	54.0
90110	11	15	52.5	53.0
90110	11	16	52.0	53.4
90110	11	17	49.6	56.3
90110	11	18	46.3	60.0
90110	11	19	44.0	63.7
90110	11	20	42.3	66.1
90110	11	21	40.7	68.3
90110	11	22	39.7	69.6
90110	11	23	38.8	70.7
90110	11	24	38.0	71.7
90110	12	1	28.4	70.7
90110	12	2	27.8	71.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	12	3	25.9	70.7
90090	12	4	25.2	71.2
90090	12	5	24.6	71.8
90090	12	6	23.9	72.0
90090	12	7	23.5	72.6
90090	12	8	23.5	72.3
90090	12	9	24.4	71.4
90090	12	10	27.9	68.5
90090	12	11	31.6	64.7
90090	12	12	34.6	61.1
90090	12	13	37.3	58.7
90090	12	14	39.2	56.8
90090	12	15	40.1	55.8
90090	12	16	40.1	55.8
90090	12	17	38.1	57.6
90090	12	18	35.5	60.2
90090	12	19	33.5	62.3
90090	12	20	32.0	63.7
90090	12	21	30.9	64.9
90090	12	22	29.8	66.2
90090	12	23	28.7	67.4
90090	12	24	27.9	68.2

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	12	3	27.0	71.7
90110	12	4	26.6	72.3
90110	12	5	26.0	72.8
90110	12	6	25.4	73.1
90110	12	7	25.0	73.7
90110	12	8	24.8	73.3
90110	12	9	26.0	72.5
90110	12	10	29.8	69.0
90110	12	11	33.9	64.5
90110	12	12	37.3	60.2
90110	12	13	39.7	57.6
90110	12	14	41.3	56.0
90110	12	15	42.1	55.0
90110	12	16	41.7	55.1
90110	12	17	39.5	57.4
90110	12	18	36.5	60.6
90110	12	19	34.5	62.9
90110	12	20	32.8	64.9
90110	12	21	31.6	66.4
90110	12	22	30.4	67.7
90110	12	23	29.6	68.7
90110	12	24	28.8	69.5

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	1	1	19.3	66.2
90130	1	2	18.2	67.0
90130	1	3	17.3	67.5
90130	1	4	16.7	67.7
90130	1	5	15.8	68.5
90130	1	6	15.4	68.8
90130	1	7	14.9	69.4
90130	1	8	14.7	69.3
90130	1	9	15.6	68.8
90130	1	10	19.3	65.4
90130	1	11	23.6	61.7
90130	1	12	27.5	58.3
90130	1	13	31.0	55.6
90130	1	14	33.2	54.1
90130	1	15	34.7	53.4
90130	1	16	34.7	53.4
90130	1	17	33.4	54.3
90130	1	18	30.6	56.8
90130	1	19	28.2	59.2
90130	1	20	26.0	61.0
90130	1	21	24.5	62.4
90130	1	22	23.0	63.6
90130	1	23	21.9	64.0
90130	1	24	20.6	65.2
90130	2	1	22.4	64.3
90130	2	2	21.1	65.6
90130	2	3	20.2	66.7
90130	2	4	19.3	67.1
90130	2	5	18.6	67.7
90130	2	6	17.8	67.9
90130	2	7	17.1	68.7
90130	2	8	16.9	68.7
90130	2	9	19.1	66.2
90130	2	10	22.8	62.1
90130	2	11	26.6	57.9
90130	2	12	30.1	54.5
90130	2	13	33.1	51.8
90130	2	14	35.3	49.9

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	1	1	19.5	66.3
90150	1	2	18.4	67.0
90150	1	3	17.5	67.8
90150	1	4	16.9	68.1
90150	1	5	16.2	68.3
90150	1	6	15.8	68.5
90150	1	7	15.3	69.1
90150	1	8	15.1	69.1
90150	1	9	16.2	68.6
90150	1	10	19.9	65.5
90150	1	11	24.5	61.6
90150	1	12	28.5	58.2
90150	1	13	32.0	55.5
90150	1	14	34.2	54.0
90150	1	15	35.5	53.3
90150	1	16	35.5	53.3
90150	1	17	33.7	54.6
90150	1	18	30.7	57.5
90150	1	19	28.3	59.7
90150	1	20	26.1	61.8
90150	1	21	24.5	63.2
90150	1	22	23.0	64.1
90150	1	23	21.9	64.6
90150	1	24	20.8	65.6
90150	2	1	22.4	65.8
90150	2	2	21.2	66.5
90150	2	3	20.4	67.3
90150	2	4	19.7	67.5
90150	2	5	18.9	68.3
90150	2	6	18.2	68.5
90150	2	7	17.4	69.4
90150	2	8	17.2	69.3
90150	2	9	19.7	66.6
90150	2	10	23.7	62.5
90150	2	11	27.7	58.1
90150	2	12	31.1	54.9
90150	2	13	34.0	52.4
90150	2	14	36.1	50.5

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	2	15	36.7	48.7
90130	2	16	37.3	48.4
90130	2	17	36.6	48.9
90130	2	18	34.4	51.1
90130	2	19	31.2	54.5
90130	2	20	29.2	56.8
90130	2	21	27.6	58.8
90130	2	22	26.1	60.7
90130	2	23	24.6	62.1
90130	2	24	23.5	63.6
90130	3	1	30.5	64.3
90130	3	2	29.4	66.1
90130	3	3	28.4	67.4
90130	3	4	27.7	68.5
90130	3	5	26.9	69.3
90130	3	6	26.3	70.1
90130	3	7	25.8	70.7
90130	3	8	27.2	69.0
90130	3	9	30.6	64.3
90130	3	10	34.2	58.5
90130	3	11	37.8	53.6
90130	3	12	40.7	50.2
90130	3	13	43.2	47.3
90130	3	14	44.9	45.8
90130	3	15	46.0	44.9
90130	3	16	46.3	44.4
90130	3	17	45.7	45.0
90130	3	18	44.0	46.4
90130	3	19	40.9	50.0
90130	3	20	38.2	53.5
90130	3	21	36.2	56.4
90130	3	22	34.7	58.9
90130	3	23	33.4	60.7
90130	3	24	32.2	62.9
90130	4	1	39.8	65.8
90130	4	2	38.6	67.5
90130	4	3	37.6	69.1
90130	4	4	36.5	70.7

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	2	15	37.6	49.4
90150	2	16	38.0	49.1
90150	2	17	37.0	49.8
90150	2	18	34.6	52.2
90150	2	19	31.3	55.9
90150	2	20	29.2	58.3
90150	2	21	27.5	60.4
90150	2	22	26.2	61.8
90150	2	23	24.6	63.5
90150	2	24	23.5	64.8
90150	3	1	30.5	65.7
90150	3	2	29.5	67.3
90150	3	3	28.5	68.6
90150	3	4	27.9	69.4
90150	3	5	27.0	70.2
90150	3	6	26.4	71.0
90150	3	7	25.9	71.6
90150	3	8	27.7	69.7
90150	3	9	31.3	64.7
90150	3	10	35.2	58.9
90150	3	11	38.6	54.4
90150	3	12	41.7	50.7
90150	3	13	44.2	48.0
90150	3	14	45.8	46.7
90150	3	15	46.6	46.1
90150	3	16	46.8	45.7
90150	3	17	46.0	46.6
90150	3	18	44.0	48.2
90150	3	19	40.8	52.1
90150	3	20	38.1	55.5
90150	3	21	36.0	58.6
90150	3	22	34.6	60.9
90150	3	23	33.2	62.8
90150	3	24	32.1	64.5
90150	4	1	39.7	67.4
90150	4	2	38.6	68.9
90150	4	3	37.5	70.5
90150	4	4	36.5	71.6

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	4	5	35.8	71.8
90130	4	6	35.2	72.6
90130	4	7	35.8	72.4
90130	4	8	39.2	67.3
90130	4	9	42.8	61.2
90130	4	10	46.5	55.2
90130	4	11	49.8	50.3
90130	4	12	52.6	46.9
90130	4	13	54.7	44.6
90130	4	14	56.5	42.8
90130	4	15	57.4	42.0
90130	4	16	57.4	42.0
90130	4	17	56.7	42.5
90130	4	18	55.2	44.2
90130	4	19	52.3	47.6
90130	4	20	49.1	51.7
90130	4	21	46.7	55.4
90130	4	22	44.7	58.8
90130	4	23	43.1	61.0
90130	4	24	41.6	63.6
90130	5	1	49.6	73.8
90130	5	2	48.5	75.7
90130	5	3	47.3	77.7
90130	5	4	46.5	79.1
90130	5	5	45.6	80.3
90130	5	6	45.2	80.9
90130	5	7	47.8	77.7
90130	5	8	51.3	71.5
90130	5	9	55.3	64.9
90130	5	10	58.9	59.0
90130	5	11	62.1	54.2
90130	5	12	64.7	50.7
90130	5	13	66.7	48.2
90130	5	14	68.2	46.6
90130	5	15	69.0	45.7
90130	5	16	68.9	45.5
90130	5	17	68.2	46.2
90130	5	18	66.6	48.0

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	4	5	35.7	72.7
90150	4	6	35.1	73.5
90150	4	7	35.9	73.0
90150	4	8	39.7	67.9
90150	4	9	43.7	61.4
90150	4	10	47.3	55.7
90150	4	11	50.7	51.3
90150	4	12	53.5	48.0
90150	4	13	55.6	46.0
90150	4	14	57.0	44.5
90150	4	15	57.8	43.9
90150	4	16	57.8	43.9
90150	4	17	56.7	45.0
90150	4	18	54.9	46.7
90150	4	19	52.1	50.1
90150	4	20	48.6	54.6
90150	4	21	46.2	58.3
90150	4	22	44.5	61.2
90150	4	23	42.7	63.5
90150	4	24	41.4	65.4
90150	5	1	49.2	75.2
90150	5	2	48.0	77.2
90150	5	3	46.9	78.9
90150	5	4	46.2	79.7
90150	5	5	45.4	80.9
90150	5	6	45.1	81.2
90150	5	7	47.8	78.0
90150	5	8	51.9	71.5
90150	5	9	56.1	65.0
90150	5	10	59.9	59.3
90150	5	11	63.1	54.8
90150	5	12	65.6	51.8
90150	5	13	67.6	49.6
90150	5	14	68.7	48.3
90150	5	15	69.3	47.8
90150	5	16	69.0	48.0
90150	5	17	68.1	48.7
90150	5	18	66.4	50.5

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	5	19	64.0	50.9
90130	5	20	60.5	55.9
90130	5	21	57.4	61.3
90130	5	22	55.0	65.1
90130	5	23	53.1	68.4
90130	5	24	51.6	71.2
90130	6	1	58.3	76.6
90130	6	2	57.0	78.8
90130	6	3	55.9	80.5
90130	6	4	54.9	82.3
90130	6	5	54.1	83.1
90130	6	6	54.1	83.4
90130	6	7	56.8	80.0
90130	6	8	60.3	74.3
90130	6	9	63.9	68.6
90130	6	10	67.4	63.5
90130	6	11	70.5	58.8
90130	6	12	73.0	55.0
90130	6	13	75.0	52.2
90130	6	14	76.4	50.2
90130	6	15	76.8	49.5
90130	6	16	76.8	49.5
90130	6	17	76.0	50.5
90130	6	18	74.4	52.5
90130	6	19	72.2	55.5
90130	6	20	69.0	60.1
90130	6	21	65.4	65.6
90130	6	22	63.2	69.3
90130	6	23	61.4	71.7
90130	6	24	59.8	74.3
90130	7	1	63.8	79.1
90130	7	2	62.7	80.7
90130	7	3	61.6	82.1
90130	7	4	60.6	83.6
90130	7	5	59.8	84.7
90130	7	6	59.5	85.3
90130	7	7	61.8	81.8
90130	7	8	65.3	76.4

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	5	19	63.5	53.6
90150	5	20	59.9	58.6
90150	5	21	56.5	64.0
90150	5	22	54.2	67.8
90150	5	23	52.4	70.8
90150	5	24	51.0	73.1
90150	6	1	58.1	78.6
90150	6	2	56.9	80.3
90150	6	3	55.8	81.7
90150	6	4	54.9	83.2
90150	6	5	54.2	83.8
90150	6	6	54.3	84.1
90150	6	7	57.2	80.6
90150	6	8	61.0	74.6
90150	6	9	64.9	68.8
90150	6	10	68.3	63.9
90150	6	11	71.3	59.5
90150	6	12	73.8	56.1
90150	6	13	75.6	54.0
90150	6	14	76.9	52.3
90150	6	15	77.2	51.6
90150	6	16	76.9	51.9
90150	6	17	75.9	53.3
90150	6	18	74.4	55.0
90150	6	19	71.9	58.1
90150	6	20	68.4	63.2
90150	6	21	64.9	68.5
90150	6	22	62.7	72.1
90150	6	23	60.9	74.4
90150	6	24	59.5	76.5
90150	7	1	63.8	80.5
90150	7	2	62.6	82.2
90150	7	3	61.6	83.6
90150	7	4	60.7	84.5
90150	7	5	59.9	85.7
90150	7	6	59.8	85.7
90150	7	7	62.3	82.5
90150	7	8	65.9	77.0

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	7	9	68.9	70.7
90130	7	10	72.3	65.0
90130	7	11	75.4	60.5
90130	7	12	78.0	56.3
90130	7	13	79.8	53.6
90130	7	14	81.1	51.6
90130	7	15	81.7	51.0
90130	7	16	81.7	51.0
90130	7	17	81.0	52.0
90130	7	18	79.5	54.2
90130	7	19	77.1	57.8
90130	7	20	74.0	63.0
90130	7	21	70.5	68.9
90130	7	22	68.5	72.5
90130	7	23	66.7	74.9
90130	7	24	65.3	77.0
90130	8	1	62.3	81.0
90130	8	2	61.2	82.7
90130	8	3	60.2	83.8
90130	8	4	59.3	84.7
90130	8	5	58.5	85.6
90130	8	6	57.8	86.5
90130	8	7	58.9	85.0
90130	8	8	62.3	80.4
90130	8	9	66.2	73.8
90130	8	10	69.9	67.4
90130	8	11	73.3	62.0
90130	8	12	75.8	58.3
90130	8	13	77.9	54.9
90130	8	14	79.3	52.8
90130	8	15	80.0	51.8
90130	8	16	79.9	52.2
90130	8	17	78.9	53.3
90130	8	18	77.2	55.8
90130	8	19	74.6	60.2
90130	8	20	70.8	66.5
90130	8	21	68.0	71.4
90130	8	22	66.2	74.3

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	7	9	69.9	70.6
90150	7	10	73.4	64.9
90150	7	11	76.3	60.9
90150	7	12	78.8	57.2
90150	7	13	80.6	54.9
90150	7	14	81.6	53.5
90150	7	15	82.2	52.9
90150	7	16	82.1	53.2
90150	7	17	81.2	54.6
90150	7	18	79.6	56.7
90150	7	19	77.2	60.1
90150	7	20	73.7	65.7
90150	7	21	70.2	71.3
90150	7	22	68.1	75.1
90150	7	23	66.4	77.3
90150	7	24	65.1	79.2
90150	8	1	62.4	82.8
90150	8	2	61.3	84.2
90150	8	3	60.5	85.1
90150	8	4	59.7	85.7
90150	8	5	59.0	86.2
90150	8	6	58.4	86.8
90150	8	7	59.6	85.7
90150	8	8	63.4	80.2
90150	8	9	67.3	73.6
90150	8	10	71.2	67.5
90150	8	11	74.4	62.4
90150	8	12	76.9	58.8
90150	8	13	78.6	56.2
90150	8	14	80.0	54.4
90150	8	15	80.4	53.9
90150	8	16	80.3	54.3
90150	8	17	79.1	55.9
90150	8	18	77.3	58.2
90150	8	19	74.5	62.8
90150	8	20	70.6	69.1
90150	8	21	67.8	73.7
90150	8	22	66.0	76.8

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	8	23	64.6	76.9
90130	8	24	63.4	78.8
90130	9	1	53.6	81.9
90130	9	2	52.6	82.7
90130	9	3	51.5	84.2
90130	9	4	50.6	85.1
90130	9	5	49.9	85.7
90130	9	6	49.3	86.0
90130	9	7	49.1	86.3
90130	9	8	52.6	82.1
90130	9	9	56.7	76.2
90130	9	10	60.9	69.6
90130	9	11	64.6	63.6
90130	9	12	67.8	58.9
90130	9	13	70.0	55.6
90130	9	14	71.4	53.4
90130	9	15	72.3	52.4
90130	9	16	72.0	52.5
90130	9	17	70.9	54.1
90130	9	18	68.5	57.7
90130	9	19	64.6	64.1
90130	9	20	61.1	70.1
90130	9	21	58.8	73.9
90130	9	22	57.1	76.2
90130	9	23	55.6	78.4
90130	9	24	54.4	80.1
90130	10	1	42.7	77.3
90130	10	2	41.7	78.4
90130	10	3	40.6	79.6
90130	10	4	39.8	80.2
90130	10	5	39.1	80.8
90130	10	6	38.4	81.0
90130	10	7	37.8	82.0
90130	10	8	39.7	79.8
90130	10	9	44.2	73.8
90130	10	10	48.9	66.6
90130	10	11	53.2	60.2
90130	10	12	56.6	55.6

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	8	23	64.6	79.2
90150	8	24	63.4	80.8
90150	9	1	54.0	82.8
90150	9	2	53.1	83.4
90150	9	3	52.1	84.9
90150	9	4	51.3	85.5
90150	9	5	50.5	86.1
90150	9	6	49.9	86.7
90150	9	7	49.9	86.4
90150	9	8	53.5	82.5
90150	9	9	58.1	76.0
90150	9	10	62.4	69.2
90150	9	11	66.0	63.6
90150	9	12	68.9	59.2
90150	9	13	70.9	56.5
90150	9	14	72.3	54.5
90150	9	15	72.8	54.0
90150	9	16	72.3	54.5
90150	9	17	71.2	56.2
90150	9	18	68.7	59.8
90150	9	19	64.6	66.2
90150	9	20	61.0	72.2
90150	9	21	58.9	75.8
90150	9	22	57.2	78.3
90150	9	23	55.7	80.2
90150	9	24	54.6	81.3
90150	10	1	42.5	78.5
90150	10	2	41.6	79.4
90150	10	3	40.6	80.2
90150	10	4	39.7	80.8
90150	10	5	39.1	81.4
90150	10	6	38.4	82.0
90150	10	7	38.1	82.0
90150	10	8	40.1	79.9
90150	10	9	45.3	73.7
90150	10	10	50.1	66.5
90150	10	11	54.4	60.2
90150	10	12	57.7	55.9

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	10	13	59.3	52.0
90130	10	14	61.0	49.7
90130	10	15	61.8	48.7
90130	10	16	61.6	48.9
90130	10	17	59.9	50.9
90130	10	18	56.5	55.5
90130	10	19	52.5	61.8
90130	10	20	50.0	66.0
90130	10	21	48.0	69.5
90130	10	22	46.4	71.5
90130	10	23	44.9	73.9
90130	10	24	43.6	75.6
90130	11	1	35.3	70.8
90130	11	2	34.3	71.9
90130	11	3	33.6	72.7
90130	11	4	32.7	73.6
90130	11	5	32.0	74.4
90130	11	6	31.4	74.7
90130	11	7	30.9	75.2
90130	11	8	31.1	74.6
90130	11	9	34.2	71.9
90130	11	10	38.2	67.2
90130	11	11	42.2	61.9
90130	11	12	45.4	57.5
90130	11	13	48.1	54.3
90130	11	14	49.8	52.4
90130	11	15	50.5	51.7
90130	11	16	50.1	51.8
90130	11	17	47.8	54.3
90130	11	18	44.5	57.9
90130	11	19	42.2	61.2
90130	11	20	40.2	63.7
90130	11	21	38.7	65.6
90130	11	22	37.6	67.1
90130	11	23	36.5	68.4
90130	11	24	35.6	69.4
90130	12	1	25.0	68.8
90130	12	2	24.4	69.3

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	10	13	60.2	52.7
90150	10	14	61.6	51.0
90150	10	15	62.3	50.1
90150	10	16	61.8	50.6
90150	10	17	60.0	52.7
90150	10	18	56.2	57.7
90150	10	19	52.1	64.0
90150	10	20	49.6	68.3
90150	10	21	47.6	71.1
90150	10	22	46.0	73.4
90150	10	23	44.5	75.3
90150	10	24	43.4	76.7
90150	11	1	35.3	71.7
90150	11	2	34.3	72.8
90150	11	3	33.4	73.9
90150	11	4	32.8	74.2
90150	11	5	32.0	75.0
90150	11	6	31.5	75.3
90150	11	7	30.9	75.9
90150	11	8	31.1	75.6
90150	11	9	34.5	72.2
90150	11	10	38.9	67.3
90150	11	11	43.3	62.1
90150	11	12	46.5	57.9
90150	11	13	49.0	55.1
90150	11	14	50.5	53.4
90150	11	15	51.1	52.6
90150	11	16	50.5	52.9
90150	11	17	48.1	55.6
90150	11	18	44.4	59.5
90150	11	19	42.1	62.7
90150	11	20	40.0	65.3
90150	11	21	38.5	67.2
90150	11	22	37.4	68.8
90150	11	23	36.4	69.8
90150	11	24	35.5	70.6
90150	12	1	25.0	69.1
90150	12	2	24.4	69.9

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	12	3	23.5	69.8
90130	12	4	23.1	70.3
90130	12	5	22.2	71.2
90130	12	6	21.8	71.1
90130	12	7	21.1	72.0
90130	12	8	21.1	71.4
90130	12	9	22.2	70.9
90130	12	10	26.1	67.4
90130	12	11	30.3	62.9
90130	12	12	33.7	59.0
90130	12	13	36.6	56.2
90130	12	14	38.3	54.6
90130	12	15	39.4	53.4
90130	12	16	39.0	53.6
90130	12	17	36.8	55.5
90130	12	18	33.7	58.7
90130	12	19	31.6	60.7
90130	12	20	29.8	62.6
90130	12	21	28.5	64.0
90130	12	22	27.4	65.3
90130	12	23	26.3	66.6
90130	12	24	25.5	67.3

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	12	3	23.7	70.1
90150	12	4	23.0	71.0
90150	12	5	22.3	71.5
90150	12	6	21.9	71.8
90150	12	7	21.4	72.0
90150	12	8	21.2	72.0
90150	12	9	22.5	70.9
90150	12	10	26.6	67.5
90150	12	11	31.1	63.0
90150	12	12	34.7	59.1
90150	12	13	37.4	56.6
90150	12	14	39.2	55.0
90150	12	15	40.1	54.0
90150	12	16	39.4	54.3
90150	12	17	37.2	56.1
90150	12	18	33.8	59.5
90150	12	19	31.5	61.7
90150	12	20	30.0	63.4
90150	12	21	28.6	64.9
90150	12	22	27.5	66.1
90150	12	23	26.4	67.2
90150	12	24	25.5	67.9

Table E-9: MOVES Summer Day Meteorological Inputs for the Connecticut Portion of the NY-NJ-CT Ozone Non-Attainment Area

Zone ID[183]	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	7	1	73.6	79.7
90010	7	2	72.5	80.5
90010	7	3	71.6	80.7
90010	7	4	70.9	82.6
90010	7	5	70.5	83.5
90010	7	6	69.9	81.4
90010	7	7	69.4	77.8
90010	7	8	69.8	73.1
90010	7	9	72.2	68.7
90010	7	10	76.1	65.7
90010	7	11	80.1	60.0
90010	7	12	83.5	55.4
90010	7	13	86.5	54.1
90010	7	14	88.1	54.2
90010	7	15	88.6	55.9
90010	7	16	88.8	57.4
90010	7	17	88.4	58.3
90010	7	18	87.3	61.6
90010	7	19	85.3	65.8
90010	7	20	82.8	72.9
90010	7	21	80.3	74.4
90010	7	22	78.1	76.5
90010	7	23	76.6	79.5
90010	7	24	75.1	80.9

183 Input shown is for Fairfield County (Zone ID 90010), but the input for Middlesex (90050) and New Haven (90090) counties would be identical except for the Zone ID.

Table E-10: MOVES Summer Day Meteorological Inputs for the Greater Connecticut Ozone Non-Attainment Area

Zone ID[184]	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	7	1	70.8	84.2
90030	7	2	69.2	86.1
90030	7	3	67.9	87.6
90030	7	4	67.0	87.9
90030	7	5	66.3	89.1
90030	7	6	65.5	84.2
90030	7	7	64.8	77.8
90030	7	8	65.4	71.6
90030	7	9	68.8	65.9
90030	7	10	74.3	59.8
90030	7	11	79.9	54.9
90030	7	12	84.7	50.4
90030	7	13	89.0	46.3
90030	7	14	91.3	43.7
90030	7	15	92.1	45.8
90030	7	16	92.3	48.9
90030	7	17	91.7	55.4
90030	7	18	90.1	59.6
90030	7	19	87.4	67.2
90030	7	20	83.8	70.4
90030	7	21	80.3	73.0
90030	7	22	77.2	78.2
90030	7	23	75.0	81.3
90030	7	24	72.8	83.7

184 Input shown is for Hartford County (Zone ID 90030), but the input for Litchfield (90050), New London (90110), Tolland (90130) and Windham (90150) counties would be identical except for the Zone ID.

Table E-11: MOVES2014b Source Type Population in Connecticut

Source Type ID	Source Type Description	Source Type Population								
		09001 Fairfield	09003 Hartford	09005 Litchfield	09007 Middlesex	09009 New Haven	09011 New London	09013 Tolland	09015 Windham	Statewide Total
11	Motorcycle	17,728	21,633	8,530	6,195	20,441	9,531	6,399	5,913	96,371
21	Passenger Car	361,430	377,862	84,089	74,623	345,558	116,950	61,914	48,251	1,470,676
31	Passenger Truck	285,323	248,184	76,149	60,611	236,783	90,162	51,021	39,294	1,087,526
32	Light Commercial Truck	36,444	34,128	8,151	6,207	26,158	8,205	4,640	4,373	128,305
41	Intercity Bus	351	363	65	31	305	111	30	45	1,300
42	Transit Bus	215	222	40	19	187	68	18	28	797
43	School Bus	1,843	1,783	465	389	1,800	605	285	322	7,492
51	Refuse Truck	77	122	29	22	91	34	21	21	418
52	Single Unit Short-Haul Truck	3,275	4,377	1,234	838	3,504	1,260	634	657	15,779
53	Single Unit Long-Haul Truck	230	306	87	59	247	88	43	46	1,106
54	Motor Home	683	771	155	172	723	294	151	92	3,042
61	Combination Short-Haul Truck	1,198	1,963	460	352	1,444	503	234	353	6,506
62	Combination Long-Haul Truck	1,015	1,531	343	271	1,102	451	248	285	5,247
All Source Types		709,812	693,245	179,797	149,789	638,343	228,262	125,638	99,680	2,824,565

Table E-12: MOVES2014b Age Distribution of Vehicles by Type in Connecticut

yearID	ageID	Source Type ID												
		11	21	31	32	41	42	43	51	52	53	54	61	62
2014	0	0.0204876	0.0244636	0.0396827	0.0605533	0.0350314	0.0350314	0.0784617	0.0647593	0.0649974	0.0648976	0.0649277	0.0480733	0.0474224
2014	1	0.0381512	0.0505103	0.051322	0.0853803	0.03757	0.03757	0.0782036	0.0582717	0.0585566	0.0584557	0.0584453	0.042789	0.0420373
2014	2	0.0399394	0.0490641	0.049283	0.0888372	0.0804692	0.0804693	0.1033682	0.0535066	0.0538364	0.0537525	0.0536731	0.0422516	0.0404427
2014	3	0.029363	0.0445827	0.0597591	0.0784833	0.0438168	0.0438168	0.0885276	0.0289987	0.0305573	0.0206849	0.0399876	0.020905	0.043621
2014	4	0.0271169	0.0502934	0.0510833	0.0485964	0.0477318	0.0477318	0.0984643	0.0229773	0.0188157	0.0130489	0.0353048	0.0156434	0.0344639
2014	5	0.0494254	0.0458617	0.0389265	0.0320796	0.0689463	0.0689463	0.1023358	0.0303165	0.0200499	0.01526	0.0294365	0.0201875	0.0454565
2014	6	0.0507774	0.0564164	0.0608679	0.0605188	0.0711857	0.0711858	0.092399	0.0233591	0.0412574	0.0266588	0.0379278	0.0180836	0.0353038

yearID	ageID	Source Type ID												
		11	21	31	32	41	42	43	51	52	53	54	61	62
2014	7	0.0664021	0.0606474	0.0598226	0.054394	0.0710923	0.0710924	0.0703317	0.0814331	0.0539257	0.0465096	0.0494406	0.0586449	0.1223052
2014	8	0.0657043	0.0559164	0.0629421	0.0620569	0.1623411	0.1623408	0.1072396	0.0606417	0.0565953	0.0412092	0.0503481	0.0429926	0.0904073
2014	9	0.0625313	0.0563068	0.0683948	0.0543359	0.0299907	0.0299907	0.0407795	0.0570491	0.048903	0.0381086	0.0519394	0.0417739	0.0853094
2014	10	0.0502759	0.0547457	0.0723086	0.0557655	0.0434928	0.0434929	0.0384566	0.0341701	0.042782	0.0281144	0.0503057	0.026163	0.0508693
2014	11	0.0600563	0.0548861	0.0577194	0.0488634	0.0736905	0.0736906	0.0301974	0.0333776	0.0367776	0.0238048	0.0463651	0.0232111	0.0494119
2014	12	0.0494145	0.0542978	0.0555826	0.0481961	0.0464184	0.0464183	0.0329075	0.0241431	0.0329335	0.0199654	0.0433333	0.0180086	0.0359034
2014	13	0.0427743	0.052042	0.0466114	0.0404054	0.027424	0.0274241	0.015873	0.0295303	0.0354652	0.0489986	0.0413062	0.0348276	0.0410658
2014	14	0.0350873	0.0524705	0.0434365	0.0376119	0.0065379	0.0065379	0.0090334	0.0402709	0.0577955	0.1206432	0.039197	0.0476297	0.0652631
2014	15	0.0306496	0.0417868	0.0366631	0.0317722	0.00823	0.00823	0.0047748	0.0576764	0.0488854	0.1045674	0.0379843	0.0424991	0.048251
2014	16	0.0231917	0.0351692	0.0296607	0.0209572	0.0259271	0.025927	0.0033553	0.0527176	0.0274797	0.01752	0.0222053	0.0429417	0.0319573
2014	17	0.0195608	0.0299978	0.0253213	0.021423	0.0074229	0.0074228	0.0016776	0.0254243	0.0376941	0.0143619	0.034115	0.0348137	0.0180275
2014	18	0.0181106	0.0216775	0.0172254	0.0124695	0.0142206	0.0142206	0.0009033	0.0327951	0.0250548	0.0160394	0.0209378	0.0480126	0.019367
2014	19	0.0152648	0.0203428	0.0163147	0.0123442	0.034585	0.034585	0.0010324	0.0419944	0.0342991	0.0274054	0.024651	0.0541093	0.0172498
2014	20	0.0121901	0.0142411	0.0123097	0.0090199	0.0070455	0.0070455	0.000129	0.0293133	0.0259414	0.0224274	0.0232975	0.04455	0.0102979
2014	21	0.0113614	0.0112845	0.0073218	0.0060141	0.0046225	0.0046226	0.0003871	0.0133183	0.0180242	0.0622256	0.0159976	0.032256	0.0069499
2014	22	0.0085265	0.008666	0.0045003	0.0038216	0.0070874	0.0070874	0.0006452	0.0118551	0.0142947	0.0109546	0.0139888	0.0245711	0.0041457
2014	23	0.007458	0.0064695	0.0034433	0.0024679	0.0008964	0.0008964	0.000129	0.0184498	0.0128695	0.016941	0.0103463	0.0227013	0.0031642
2014	24	0.0072399	0.0055549	0.0034366	0.0025768	0.0043982	0.0043982	0.0002581	0.0130613	0.0174482	0.0104226	0.0135223	0.028116	0.0024591
2014	25	0.0075234	0.0047315	0.0043427	0.0037537	0.0115479	0.0115479	0	0.0201229	0.0167328	0.0422446	0.0174128	0.0283768	0.0024562
2014	26	0.0074253	0.0038491	0.004195	0.0038985	0.0073118	0.0073118	0	0.0115151	0.0147884	0.0133849	0.0153552	0.0261075	0.0015064
2014	27	0.0089845	0.0039017	0.0031874	0.0024439	0.0081182	0.0081182	0	0.0103038	0.0134294	0.0047914	0.0149652	0.0204973	0.0025478
2014	28	0.0115904	0.0029605	0.0025677	0.0024292	0.0027925	0.0027925	0	0.0052684	0.0120353	0.0049797	0.0109984	0.0141648	0.0006759
2014	29	0.0109253	0.0022492	0.0018786	0.0017293	0.0026365	0.0026365	0	0.0052632	0.0102321	0.0043061	0.0116092	0.0143383	0.0006923
2014	30	0.112491	0.024613	0.009889	0.00680119	0.007419	0.007419	0.000129	0.0081136	0.0175428	0.007315	0.020675	0.0207597	0.0009689
Total	**Total**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

Table E-13: HPMS RURAL TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010

VEHICLE TYPE	HPMS Road Class: Rural						
	11 Interstate	12 Other Freeway & Expressway	13 Other Principal Arterial	15 Minor Arterial	17 Major Collector	19* Minor Collector	21 Local
Motorcycle	0%	0%	2.19%	2.28%	0.93%	0.27%	0.75%
Passenger Car	74.29%	79.47%	75.35%	75.41%	80.51%	83.80%	78.62%
Light Truck	13.61%	14.11%	15.72%	17.84%	16.50%	12.74%	18.61%
Buses	0.25%	0.10%	0.11%	0.01%	0.03%	0%	0.02%
2-Axle, 6-Tire Single Trucks	2.72%	3.21%	1.01%	1.18%	1.17%	1.04%	1.43%
3-Axle Single Trucks	0.74%	0.60%	1.80%	1.22%	0.38%	0.78%	0.42%
4 Or More Axle Single Trucks	0.17%	0.23%	0.52%	0.27%	0.06%	0.62%	0.07%
4 Or Less Axle Trailer Trucks	1.09%	0.42%	0.91%	0.67%	0.17%	0.48%	0.06%
5-Axle Trailer Trucks	6.94%	1.86%	1.38%	1.06%	0.25%	0.18%	0.03%
6 Or More Axle Trailer Trucks	0.15%	0.03%	0.67%	0.05%	0.01%	0.09%	0%
5 Or Less Axle Tandem Trucks	0.03%	0%	0.27%	0%	0%	0%	0%
6-Axle Tandem Trucks	0.01%	0%	0.07%	0%	0%	0%	0%
7 Or More Tandem Trucks	0%	0%	0%	0%	0%	0%	0%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

* NOTE: Rural Minor Collector mixes no longer tabulated for HPMS; the mixes shown are from 1999 HPMS.

Table E-14: HPMS URBAN TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010

VEHICLE TYPE	HPMS Road Class: Urban						
	23 Interstate	25 Other Freeway & Expressway	27 Other Principal Arterial	29 Minor Arterial	30 Major Collector	31 Minor Collector	33 Local
Motorcycle	0.05%	0.11%	0.71%	0.67%	0.63%	0.67%	1.55%
Passenger Car	78.68%	82.48%	79.48%	83.01%	81.98%	82.08%	80.57%
Light Truck	12.14%	12.83%	16.17%	14.45%	15.33%	13.84%	14.87%
Buses	0.23%	0.09%	0.09%	0.10%	0.01%	0%	0.01%
2-Axle, 6-Tire Single Trucks	2.32%	2.08%	1.49%	1.08%	1.04%	2.31%	1.23%
3-Axle Single Trucks	0.52%	0.46%	0.64%	0.30%	0.58%	0.27%	0.91%
4 Or More Axle Single Trucks	0.14%	0.18%	0.17%	0.08%	0.07%	0.04%	0.48%
4 Or Less Axle Trailer Trucks	0.75%	0.38%	0.37%	0.13%	0.17%	0.21%	0.15%
5-Axle Trailer Trucks	4.88%	1.34%	0.73%	0.19%	0.17%	0.44%	0.18%
6 Or More Axle Trailer Trucks	0.06%	0.03%	0.03%	0.01%	0.02%	0.14%	0.04%
5 Or Less Axle Tandem Trucks	0.18%	0.02%	0.10%	0%	0%	0%	0%
6-Axle Tandem Trucks	0.06%	0.01%	0%	0%	0%	0%	0%
7 Or More Tandem Trucks	0%	0%	0%	0%	0%	0%	0%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Table E-15: MOVES Converter Input for 2017 Fraction of VMT on HPMS Road Type by MOBILE6.2 16 Vehicle Type

Vehicle Type	HPMS Road Type													
	11	12	13	15	17	19	21	23	25	27	29	30	31	33
1	0.4793	0.5103	0.4966	0.5085	0.5290	0.5264	0.5302	0.4952	0.5197	0.5215	0.5314	0.5307	0.5230	0.5204
2	0.0677	0.0721	0.0702	0.0718	0.0747	0.0744	0.0749	0.0700	0.0734	0.0737	0.0751	0.0750	0.0739	0.0735
3	0.2253	0.2398	0.2334	0.2390	0.2486	0.2474	0.2492	0.2328	0.2443	0.2451	0.2498	0.2494	0.2458	0.2446
4	0.0731	0.0778	0.0757	0.0775	0.0806	0.0802	0.0808	0.0755	0.0792	0.0795	0.0810	0.0809	0.0797	0.0793
5	0.0336	0.0358	0.0348	0.0357	0.0371	0.0369	0.0372	0.0348	0.0365	0.0366	0.0373	0.0372	0.0367	0.0365
6	0.0370	0.0196	0.0206	0.0137	0.0063	0.0098	0.0062	0.0279	0.0140	0.0111	0.0057	0.0063	0.0104	0.0092
7	0.0105	0.0056	0.0058	0.0039	0.0018	0.0028	0.0018	0.0079	0.0040	0.0031	0.0016	0.0018	0.0030	0.0026
8	0.0052	0.0028	0.0029	0.0019	0.0009	0.0014	0.0009	0.0039	0.0020	0.0016	0.0008	0.0009	0.0015	0.0013
9	0.0025	0.0013	0.0014	0.0009	0.0004	0.0007	0.0004	0.0019	0.0009	0.0007	0.0004	0.0004	0.0007	0.0006
10	0.0078	0.0042	0.0044	0.0029	0.0013	0.0021	0.0013	0.0059	0.0030	0.0024	0.0012	0.0013	0.0022	0.0019
11	0.0093	0.0049	0.0052	0.0034	0.0016	0.0024	0.0016	0.0070	0.0035	0.0028	0.0014	0.0016	0.0026	0.0023
12	0.0101	0.0054	0.0056	0.0037	0.0017	0.0027	0.0017	0.0076	0.0038	0.0030	0.0016	0.0017	0.0028	0.0025
13	0.0359	0.0191	0.0200	0.0133	0.0061	0.0095	0.0060	0.0271	0.0136	0.0108	0.0056	0.0061	0.0101	0.0089
14	0.0018	0.0010	0.0010	0.0007	0.0003	0.0005	0.0003	0.0014	0.0007	0.0005	0.0003	0.0003	0.0005	0.0004
15	0.0009	0.0005	0.0005	0.0003	0.0002	0.0002	0.0002	0.0007	0.0003	0.0003	0.0001	0.0002	0.0003	0.0002
16	0	0	0.0219	0.0228	0.0093	0.0027	0.0075	0.0005	0.0011	0.0071	0.0067	0.0063	0.0067	0.0155
Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Table E-16: CT MOBILE6 Hour Input File

MOBILE6.2 Input File
VMT BY HOUR * CTHVMT.def ... March 2010 * Based on Connecticut ATR Counts (April & October 2009) * Fraction of all vehicle miles traveled by hour of the day. * First hour is 6 a.m. 0.0439 0.0677 0.0662 0.0537 0.0500 0.0524 0.0556 0.0569 0.0641 0.0747 0.0791 0.0786 0.0606 0.0443 0.0352 0.0287 0.0218 0.0160 0.0094 0.0060 0.0045 0.0047 0.0073 0.0184

Table E-17: Average 2017 Daily HPMS VMT (miles per day) for the 14 2010+ FHWA HPMS Road Types

HPMS Road Type	Area Type	HPMS Road Type Description	Average 2017 Weekday Daily HPMS Road Type VMT [miles/day]							
			09001 Fairfield	09003 Hartford	09005 Litchfield	09007 Middlesex	09009 New Haven	09011 New London	09013 Tolland	09015 Windham
11	Rural	Interstate	0	0	0	0	197,113	68,321	691,694	361,657
12	Rural	Other Freeways and Expressways	0	167,122	165,990	156,482	0	148,675	18,622	12,776
13	Rural	Other Principal Arterial	55,132	47,989	268,260	0	52,508	287,501	184,027	79,527
15	Rural	Minor Arterial	94,895	188,292	301,798	128,571	139,591	189,026	194,948	270,607
17	Rural	Major Collector	319,547	225,947	447,433	146,304	144,209	466,513	291,122	457,448
19	Rural	Minor Collector	63,060	99,021	139,770	62,269	31,718	92,849	111,607	142,165
21	Rural	Local	55,217	70,737	246,321	93,602	53,609	102,616	102,898	94,138
23	Urban	Interstate	6,175,694	7,406,038	0	1,484,285	6,778,358	2,714,629	556,089	529,089
25	Urban	Other Freeways and Expressways	3,827,622	2,195,682	317,336	928,463	3,034,952	442,683	38,555	14,349
27	Urban	Other Principal Arterial	2,102,356	2,715,760	556,524	485,360	2,428,435	606,072	435,426	273,017
29	Urban	Minor Arterial	4,306,631	4,588,119	355,459	635,417	3,976,642	1,219,592	445,546	517,925
30	Urban	Major Collector	1,796,953	2,324,362	389,766	439,978	1,643,970	729,132	527,388	288,575
31	Urban	Minor Collector	41,136	43,220	9,659	7,272	36,921	21,519	10,346	10,505
33	Urban	Local	1,814,735	1,843,185	261,640	311,802	1,466,505	436,022	275,674	167,193
Total of All HPMS Road Types			**20,652,978**	**21,915,474**	**3,459,956**	**4,879,805**	**19,984,531**	**7,525,150**	**3,883,942**	**3,218,971**

The above HPMS VMT has an average annual statewide daily total of 85,520,807 miles per day.

Note: Road Type 12 and 30 were added with the associated road descriptions and mappings were added; and the associative meaning of road types 13 and 31 were modified from what is established in NMIM and the Source Classification definitions. These additions and modified meanings are totally contained within the converter and should not be applied to any Road Type definitions other than the updated converter. Do not use the modified or added identifiers or the associated meaning provided in the table below for anything other than understanding the mapping of 2010+ FHWA HPMS Road Types to MOVES Road Types within the updated converter.

Table E-18: 2017 HPMSBaseYearVMT Annual Vehicle Miles Traveled (VMT)

Source Type ID	Source Type Description	HPMSBaseYearVMT [miles/year]							
		9001	9003	9005	9007	9009	9011	9013	9015
		Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham
11	Motorcycle	34,129,771	37,700,470	11,286,593	7,763,352	31,463,020	14,543,733	9,155,548	8,140,423
21	Passenger Car	3,058,621,475	3,617,095,518	486,556,746	723,039,099	3,252,173,735	1,165,384,274	577,204,048	485,509,271
31	Passenger Truck	3,562,122,671	3,408,430,559	634,016,122	846,931,747	3,181,100,591	1,279,444,829	684,982,829	562,656,140
32	Light Commercial Truck	339,605,445	359,817,705	49,742,732	68,705,802	289,047,288	77,739,605	37,193,505	31,493,234
41	Intercity Bus	3,872,550	3,941,230	389,044	657,163	3,470,096	1,511,241	586,155	537,743
42	Transit Bus	1,465,451	1,493,924	146,952	252,795	1,316,909	573,872	217,638	203,360
43	School Bus	2,727,071	3,366,853	413,488	1,079,097	3,529,412	1,130,797	906,297	520,714
51	Refuse Truck	651,472	449,235	67,812	215,130	628,783	151,669	92,306	192,467
52	Single Unit Short-Haul Truck	40,840,644	44,621,500	4,776,204	9,931,611	41,947,101	16,152,948	8,555,808	6,217,389
53	Single Unit Long-Haul Truck	5,009,049	5,473,543	586,422	1,217,296	5,145,196	1,982,771	1,050,543	762,931
54	Motor Home	226,857	453,435	70,755	160,300	463,186	345,197	209,394	138,024
61	Combination Short-Haul Truck	43,728,390	71,288,768	8,460,319	11,507,963	51,156,029	16,578,723	8,485,643	9,542,209
62	Combination Long-Haul Truck	92,027,967	76,872,153	7,521,995	21,973,070	88,831,150	37,553,465	20,299,677	11,697,493
All Source Types		**7,185,028,813**	**7,631,004,893**	**1,204,035,186**	**1,693,434,425**	**6,950,272,496**	**2,613,093,125**	**1,348,939,391**	**1,117,611,399**

The 2017 statewide total annual VMT estimate has a total of 29,743,419,727 miles per year.

Table E-19: 2017 Summer Weekday Vehicle Miles Traveled (VMT)

Source Type ID	Source Type Description	Daily Vehicle Miles Traveled [miles/summer weekday]							
		9001	9003	9005	9007	9009	9011	9013	9015
		Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham
11	Motorcycle	106,685	117,841	35,534	24,305	98,345	45,582	28,759	25,607
21	Passenger Car	9,560,848	11,305,985	1,531,841	2,263,668	10,165,399	3,652,459	1,813,089	1,527,265
31	Passenger Truck	11,134,712	10,653,758	1,996,092	2,651,548	9,943,254	4,009,939	2,151,639	1,769,945
32	Light Commercial Truck	1,061,562	1,124,685	156,607	215,102	903,483	243,646	116,831	99,068
41	Intercity Bus	12,105	12,319	1,225	2,057	10,847	4,736	1,841	1,692
42	Transit Bus	4,581	4,670	463	791	4,116	1,799	684	640
43	School Bus	8,524	10,524	1,302	3,378	11,032	3,544	2,847	1,638
51	Refuse Truck	2,036	1,404	213	674	1,965	475	290	605
52	Single Unit Short-Haul Truck	127,662	139,474	15,037	31,094	131,115	50,625	26,875	19,558
53	Single Unit Long-Haul Truck	15,658	17,109	1,846	3,811	16,082	6,214	3,300	2,400
54	Motor Home	709	1,417	223	502	1,448	1,082	658	434
61	Combination Short-Haul Truck	136,689	222,828	26,636	36,029	159,900	51,960	26,655	30,017
62	Combination Long-Haul Truck	287,667	240,280	23,682	68,793	277,662	117,697	63,764	36,797
All Source Types		**22,459,439**	**23,852,293**	**3,790,700**	**5,301,751**	**21,724,649**	**8,189,758**	**4,237,232**	**3,515,666**

The above 2017 summer day VMT has a statewide total of 93,071,489 miles per summer weekday.

Appendix F On-Road Mobile Sources

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Table F-1: Annual 2017 Onroad Emissions by SCC for Fairfield County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	108.1274912	27.17985166	532.4203101	1.118691529	0.270317479	0.092121911	1.383115742
22-01-21-0080	Gas	Passenger Car	1,435.65	1,154.90	13,184.25	122.3822471	25.21601445	7.86963811	88.78602645
22-01-31-0080	Gas	Passenger Truck	1,549.11	1,919.34	20,200.69	150.3657584	30.33472957	11.61822511	100.4810913
22-01-32-0080	Gas	Light Commercial Truck	141.6214396	178.8163495	1,943.48	13.70842685	2.764687415	1.045919971	9.046472171
22-01-42-0080	Gas	Transit Bus	0.022382794	0.034513823	1.476211603	0.004203654	0.000723735	0.000306581	0.001212415
22-01-43-0080	Gas	School Bus	0.052681838	0.048601926	4.839720703	0.003273564	0.000741277	0.000234415	0.001054649
22-01-51-0080	Gas	Refuse Truck	0.115668225	0.1235662	2.265556562	0.001850295	0.001058997	0.000136513	0.00050274
22-01-52-0080	Gas	Single Unit Short-Haul Truck	57.11270707	50.53667208	1190.966511	1.489181417	0.527880115	0.097116565	0.533566141
22-01-53-0080	Gas	Single Unit Long-Haul Truck	2.337829669	1.943453503	30.59631264	0.032639966	0.017703966	0.001382125	0.007589739
22-01-54-0080	Gas	Motor Home	1.84485648	1.177363399	24.2606267	0.023163496	0.010399486	0.001239527	0.006292322
22-01-61-0080	Gas	Combination Short-Haul Truck	0.015048403	0.024833413	0.324285912	0.000357736	0.000198667	1.95636E-05	7.19321E-05
22-02-21-0080	Diesel	Passenger Car	5.79982638	6.324886475	81.97109917	0.866421528	0.139267935	0.075685325	0.182171494
22-02-31-0080	Diesel	Passenger Truck	26.19693161	111.6818886	202.8539744	5.587195447	2.937225746	0.418667557	1.58479122
22-02-32-0080	Diesel	Light Commercial Truck	7.667282773	29.51891773	59.42654294	1.575870491	0.869310023	0.106090592	0.385734595
22-02-41-0080	Diesel	Intercity Bus	1.107938516	20.34177841	7.348384019	1.047127767	0.533002619	0.060094327	0.101758435
22-02-42-0080	Diesel	Transit Bus	0.396024136	4.542568935	3.993179256	0.199813095	0.0779235	0.015885294	0.028438131
22-02-43-0080	Diesel	School Bus	1.319887105	5.399282895	22.32642068	0.346114843	0.097317971	0.026503566	0.061969011
22-02-51-0080	Diesel	Refuse Truck	0.375943385	5.32268391	2.744810695	0.265451752	0.167972963	0.010295977	0.017329145
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	21.64841119	114.9361796	103.7357395	5.405582238	2.569063848	0.270962883	0.717384124
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.489015017	16.06565127	12.98842079	0.917911047	0.392634127	0.041947524	0.12286607
22-02-54-0080	Diesel	Motor Home	0.092629152	0.602944133	0.359797667	0.021578774	0.014450016	0.000811107	0.001930947
22-02-61-0080	Diesel	Combination Short-Haul Truck	7.000575773	151.3199615	45.65097474	9.249967454	3.521110587	0.677861377	1.181148835
22-02-62-0080	Diesel	Combination Long-Haul Truck	37.59327861	559.02	161.9519719	26.51927355	13.06622893	1.514430223	2.832486763
22-03-42-0080	CNG	Transit Bus	0.045359531	0.527578954	1.587104251	0.024655387	0.003415882	0.001613923	0.008617574
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Fairfield County Total for On-Road Mobile Sources			3,407.74	4,359.73	37,822.51	341.16	83.53	23.95	207.47

Table F-2: Annual 2017 Onroad Emissions by SCC for Hartford County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	118.4429	30.8131	586.2166	1.151692	0.290288	0.100583	1.518952
22-01-21-0080	Gas	Passenger Car	1,574.94	1,309.81	15,092.52	135.8494	28.67869	9.076674	103.8785
22-01-31-0080	Gas	Passenger Truck	1,378.63	1,783.13	18,778.72	134.7456	27.87149	10.87395	95.25759
22-01-32-0080	Gas	Light Commercial Truck	139.3997	183.3721	1,988.55	13.56668	2.805016	1.082849	9.493282
22-01-42-0080	Gas	Transit Bus	0.022889	0.035356	1.524333	0.003806	0.000698	0.00031	0.001194
22-01-43-0080	Gas	School Bus	0.066582	0.06088	6.072783	0.003714	0.000918	0.00029	0.001251
22-01-51-0080	Gas	Refuse Truck	0.080819	0.086466	1.595469	0.001306	0.000809	9.37E-05	0.000341
22-01-52-0080	Gas	Single Unit Short-Haul Truck	63.38031	56.38739	1334.748	1.558836	0.617307	0.105789	0.570293
22-01-53-0080	Gas	Single Unit Long-Haul Truck	2.598021	2.168663	34.45742	0.036926	0.021863	0.001516	0.008118
22-01-54-0080	Gas	Motor Home	3.738812	2.406767	49.96867	0.046131	0.023086	0.002495	0.012281
22-01-61-0080	Gas	Combination Short-Haul Truck	0.028604	0.042792	0.594185	0.00063	0.000393	3.21E-05	0.000116
22-02-21-0080	Diesel	Passenger Car	6.371899	7.256296	93.76333	0.955793	0.154535	0.087392	0.212831
22-02-31-0080	Diesel	Passenger Truck	23.58276	103.4098	186.9751	5.122104	2.744426	0.392366	1.499677
22-02-32-0080	Diesel	Light Commercial Truck	7.636244	30.17221	60.57493	1.59874	0.898586	0.109995	0.404193
22-02-41-0080	Diesel	Intercity Bus	1.08105	20.65776	7.332507	0.981512	0.528974	0.060866	0.101546
22-02-42-0080	Diesel	Transit Bus	0.39697	4.592076	4.050452	0.185757	0.077213	0.016096	0.027998
22-02-43-0080	Diesel	School Bus	1.676056	6.579464	27.84925	0.388851	0.11486	0.032597	0.073491
22-02-51-0080	Diesel	Refuse Truck	0.254927	3.67538	1.884022	0.172847	0.11401	0.007085	0.011768
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	23.74182	124.3141	113.1877	5.497269	2.756429	0.292718	0.766762
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.68873	17.32419	14.12126	0.929888	0.423139	0.045282	0.131426
22-02-54-0080	Diesel	Motor Home	0.180563	1.213041	0.710767	0.041842	0.029007	0.001623	0.003769
22-02-61-0080	Diesel	Combination Short-Haul Truck	11.28506	245.9558	77.10561	13.48728	5.519928	1.100452	1.895103
22-02-62-0080	Diesel	Combination Long-Haul Truck	21.72503	410.24	111.0319	19.73398	10.14742	1.237172	2.179415
22-03-42-0080	CNG	Transit Bus	0.044417	0.532815	1.600171	0.021876	0.003081	0.001627	0.008484
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Hartford County Total for On-Road Mobile Sources			**3,381.99**	**4,344.24**	**38,575.16**	**336.08**	**83.82**	**24.63**	**218.06**

Table F-3: Annual 2017 Onroad Emissions by SCC for Litchfield County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	39.26405	10.63828	188.0692	0.261525	0.079155	0.030668	0.501722
22-01-21-0080	Gas	Passenger Car	321.7952	220.4235	2,542.61	17.86937	4.471693	1.221322	13.45788
22-01-31-0080	Gas	Passenger Truck	379.4502	395.7576	4,107.26	24.49782	5.946312	2.011815	17.13786
22-01-32-0080	Gas	Light Commercial Truck	28.62963	30.61395	333.5544	1.8688	0.453394	0.150047	1.270517
22-01-42-0080	Gas	Transit Bus	0.003799	0.00371	0.257821	0.000514	9.2E-05	2.8E-05	9.45E-05
22-01-43-0080	Gas	School Bus	0.014684	0.010314	1.332428	0.000617	0.000172	3.73E-05	0.000124
22-01-51-0080	Gas	Refuse Truck	0.03234	0.023033	0.574299	0.000394	0.000281	1.61E-05	5.12E-05
22-01-52-0080	Gas	Single Unit Short-Haul Truck	18.76976	13.32736	386.2565	0.291904	0.163203	0.013159	0.060696
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.758002	0.463993	9.38192	0.00807	0.005798	0.000204	0.000863
22-01-54-0080	Gas	Motor Home	1.563719	0.635775	19.40884	0.012401	0.007734	0.000469	0.001914
22-01-61-0080	Gas	Combination Short-Haul Truck	0.004056	0.005237	0.07953	8.99E-05	5.48E-05	3.9E-06	1.36E-05
22-02-21-0080	Diesel	Passenger Car	1.271241	1.135737	13.75483	0.119994	0.020593	0.011603	0.027925
22-02-31-0080	Diesel	Passenger Truck	5.506239	19.86202	36.50228	0.908395	0.494427	0.071672	0.272523
22-02-32-0080	Diesel	Light Commercial Truck	1.334319	4.326565	8.930462	0.212711	0.12064	0.015046	0.054487
22-02-41-0080	Diesel	Intercity Bus	0.130598	2.024925	0.974722	0.108512	0.05408	0.005912	0.010003
22-02-42-0080	Diesel	Transit Bus	0.051896	0.398217	0.599364	0.022708	0.007911	0.001393	0.002215
22-02-43-0080	Diesel	School Bus	0.353159	0.731197	5.9631	0.057288	0.014357	0.003954	0.007281
22-02-51-0080	Diesel	Refuse Truck	0.064897	0.551329	0.570714	0.029638	0.018476	0.001103	0.001765
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	5.40562	16.38246	26.85111	0.642724	0.302026	0.035467	0.081607
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.536512	2.079084	3.183665	0.107467	0.044648	0.00523	0.013969
22-02-54-0080	Diesel	Motor Home	0.047392	0.210993	0.216559	0.006622	0.00436	0.000289	0.000587
22-02-61-0080	Diesel	Combination Short-Haul Truck	1.506248	29.23326	10.23156	1.901093	0.716339	0.129485	0.223878
22-02-62-0080	Diesel	Combination Long-Haul Truck	2.077921	39.31624	11.16613	2.246633	1.076007	0.120504	0.209004
22-03-42-0080	CNG	Transit Bus	0.005223	0.043948	0.195033	0.003008	0.000406	0.000143	0.000671
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Litchfield County Total for On-Road Mobile Sources			**808.58**	**788.20**	**7,707.92**	**51.18**	**14.00**	**3.83**	**33.34**

Table F-4: Annual 2017 Onroad Emissions by SCC for Middlesex County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	29.04837	6.811325	126.0751	0.208066	0.056815	0.02113	0.329919
22-01-21-0080	Gas	Passenger Car	289.3274	251.8033	2,797.23	22.39844	4.913523	1.743792	20.69222
22-01-31-0080	Gas	Passenger Truck	316.0174	432.7232	4,405.16	27.47095	5.914017	2.614683	23.78144
22-01-32-0080	Gas	Light Commercial Truck	24.51873	34.11715	358.2961	2.133062	0.458282	0.199992	1.819721
22-01-42-0080	Gas	Transit Bus	0.002326	0.005302	0.146425	0.000542	9.57E-05	5.06E-05	0.000203
22-01-43-0080	Gas	School Bus	0.011483	0.014003	1.027959	0.000989	0.000207	8.19E-05	0.000403
22-01-51-0080	Gas	Refuse Truck	0.036882	0.040152	0.732575	0.000542	0.00034	4.33E-05	0.000163
22-01-52-0080	Gas	Single Unit Short-Haul Truck	13.54099	12.12775	284.0806	0.301894	0.120482	0.022468	0.126628
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.55289	0.466611	7.289694	0.007131	0.004224	0.000322	0.001803
22-01-54-0080	Gas	Motor Home	1.262227	0.82615	16.87987	0.014155	0.007136	0.000845	0.004326
22-01-61-0080	Gas	Combination Short-Haul Truck	0.003877	0.006561	0.085463	8.39E-05	5.25E-05	4.98E-06	1.87E-05
22-02-21-0080	Diesel	Passenger Car	1.185857	1.414268	17.7002	0.156896	0.026301	0.016827	0.04291
22-02-31-0080	Diesel	Passenger Truck	5.447887	24.24908	43.83408	1.156957	0.664346	0.094258	0.378566
22-02-32-0080	Diesel	Light Commercial Truck	1.356616	5.428681	10.91339	0.278412	0.166551	0.020308	0.078238
22-02-41-0080	Diesel	Intercity Bus	0.15855	3.351326	0.969826	0.14531	0.082907	0.009875	0.016904
22-02-42-0080	Diesel	Transit Bus	0.053212	0.765702	0.462804	0.027896	0.012381	0.002677	0.004762
22-02-43-0080	Diesel	School Bus	0.330559	2.045394	4.9102	0.11205	0.034571	0.009614	0.023674
22-02-51-0080	Diesel	Refuse Truck	0.115444	1.712784	0.868875	0.074653	0.051003	0.003301	0.005629
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	4.931469	26.12844	24.23525	1.105176	0.579619	0.061422	0.170251
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.561298	3.610128	3.022182	0.185251	0.088458	0.009454	0.029181
22-02-54-0080	Diesel	Motor Home	0.060106	0.405062	0.241058	0.013907	0.00991	0.000544	0.001327
22-02-61-0080	Diesel	Combination Short-Haul Truck	1.679898	38.70789	11.43932	1.872672	0.822439	0.173503	0.306168
22-02-62-0080	Diesel	Combination Long-Haul Truck	8.704959	131.5118	37.36257	5.093539	2.840148	0.351602	0.670881
22-03-42-0080	CNG	Transit Bus	0.006709	0.090018	0.227495	0.003109	0.000443	0.000269	0.001443
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Middlesex County Total for On-Road Mobile Sources			**698.9151**	**978.3621**	**8153.195**	**62.76168**	**16.85425**	**5.357067**	**48.48678**

Table F-5: Annual 2017 Onroad Emissions by SCC for New Haven County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	107.8604	25.89685	501.0204	0.993244	0.248215	0.085477	1.288154
22-01-21-0080	Gas	Passenger Car	1,403.58	1,174.19	13,341.23	120.5172	25.30727	8.186077	94.33223
22-01-31-0080	Gas	Passenger Truck	1,276.76	1,661.25	17,276.85	123.9856	25.50022	10.18678	89.92191
22-01-32-0080	Gas	Light Commercial Truck	111.1251	147.1236	1,577.46	10.74238	2.209804	0.873072	7.715182
22-01-42-0080	Gas	Transit Bus	0.019328	0.031006	1.2878	0.003344	0.0006	0.000273	0.001081
22-01-43-0080	Gas	School Bus	0.066358	0.062242	6.076884	0.003866	0.000922	0.0003	0.001349
22-01-51-0080	Gas	Refuse Truck	0.090895	0.109491	1.8602	0.001593	0.000924	0.000128	0.000482
22-01-52-0080	Gas	Single Unit Short-Haul Truck	47.11581	45.18087	999.4678	1.359518	0.475721	0.095836	0.541946
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.938814	1.780741	26.19421	0.029883	0.016122	0.001356	0.007715
22-01-54-0080	Gas	Motor Home	3.027225	2.226085	41.52097	0.042533	0.019229	0.002436	0.012679
22-01-61-0080	Gas	Combination Short-Haul Truck	0.018085	0.029605	0.389637	0.000415	0.000248	2.26E-05	8.38E-05
22-02-21-0080	Diesel	Passenger Car	5.708346	6.504418	83.01331	0.849507	0.137484	0.078829	0.194227
22-02-31-0080	Diesel	Passenger Truck	22.06325	96.53699	173.0998	4.775083	2.58077	0.367141	1.422692
22-02-32-0080	Diesel	Light Commercial Truck	6.148881	24.26557	48.27477	1.282642	0.726507	0.08859	0.3299
22-02-41-0080	Diesel	Intercity Bus	0.952081	18.14644	6.363389	0.86296	0.460153	0.053303	0.0904
22-02-42-0080	Diesel	Transit Bus	0.34772	4.078748	3.48546	0.163355	0.067567	0.014261	0.025352
22-02-43-0080	Diesel	School Bus	1.695564	6.923089	28.00065	0.410028	0.120888	0.033869	0.079249
22-02-51-0080	Diesel	Refuse Truck	0.334454	5.11686	2.334659	0.237941	0.155619	0.009783	0.016623
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	19.84221	112.508	91.66178	5.152557	2.542438	0.266176	0.728648
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.319092	15.84673	11.6188	0.872687	0.38966	0.041312	0.124892
22-02-54-0080	Diesel	Motor Home	0.173421	1.196388	0.648977	0.042349	0.029113	0.001595	0.003891
22-02-61-0080	Diesel	Combination Short-Haul Truck	7.958383	176.1817	52.96108	9.707297	3.907454	0.78528	1.374528
22-02-62-0080	Diesel	Combination Long-Haul Truck	36.22975	541.63	155.3701	23.37045	12.09752	1.446968	2.734889
22-03-42-0080	CNG	Transit Bus	0.038373	0.473534	1.388263	0.019308	0.002713	0.001438	0.007682
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
New Haven County Total for On-Road Mobile Sources			**3,055.41**	**4,067.28**	**34,431.57**	**305.43**	**77.00**	**22.62**	**200.96**

Table F-6: Annual 2017 Onroad Emissions by SCC for New London County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	48.89062	12.81296	232.8328	0.375959	0.102561	0.039124	0.621042
22-01-21-0080	Gas	Passenger Car	465.5217	402.7444	4,384.46	36.93805	7.938393	2.800271	33.1128
22-01-31-0080	Gas	Passenger Truck	476.1512	646.23	6,432.50	42.46237	8.941337	3.93256	35.64957
22-01-32-0080	Gas	Light Commercial Truck	27.69302	38.3011	395.3346	2.464628	0.519708	0.225634	2.048067
22-01-42-0080	Gas	Transit Bus	0.007181	0.012683	0.478034	0.001274	0.000227	0.000114	0.000453
22-01-43-0080	Gas	School Bus	0.017708	0.017685	1.635033	0.001092	0.00025	8.88E-05	0.000414
22-01-51-0080	Gas	Refuse Truck	0.021808	0.026152	0.447601	0.000342	0.000203	3E-05	0.000115
22-01-52-0080	Gas	Single Unit Short-Haul Truck	18.18749	17.28705	385.0709	0.460534	0.166094	0.035064	0.20559
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.746388	0.678021	9.988582	0.010188	0.005576	0.000497	0.00293
22-01-54-0080	Gas	Motor Home	2.253705	1.631971	30.7103	0.027604	0.012679	0.001735	0.009293
22-01-61-0080	Gas	Combination Short-Haul Truck	0.005494	0.009399	0.121707	0.000118	7.28E-05	7.14E-06	2.7E-05
22-02-21-0080	Diesel	Passenger Car	1.90697	2.250106	27.4611	0.259819	0.04306	0.027017	0.068833
22-02-31-0080	Diesel	Passenger Truck	8.259462	36.53332	64.5075	1.760103	0.997011	0.141929	0.568665
22-02-32-0080	Diesel	Light Commercial Truck	1.54082	6.127173	12.07303	0.316834	0.187402	0.022929	0.088184
22-02-41-0080	Diesel	Intercity Bus	0.384649	7.710606	2.539727	0.334636	0.189257	0.022643	0.038957
22-02-42-0080	Diesel	Transit Bus	0.135566	1.714051	1.336824	0.064265	0.027889	0.006016	0.010632
22-02-43-0080	Diesel	School Bus	0.4578	2.114897	7.596975	0.119267	0.03624	0.01019	0.024351
22-02-51-0080	Diesel	Refuse Truck	0.077422	1.205005	0.555592	0.052356	0.035514	0.002303	0.003972
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	7.321042	41.00101	34.94439	1.777596	0.91518	0.096423	0.276417
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.857039	5.718541	4.418909	0.298454	0.139281	0.014878	0.047435
22-02-54-0080	Diesel	Motor Home	0.12335	0.844543	0.473979	0.029377	0.020741	0.001128	0.002852
22-02-61-0080	Diesel	Combination Short-Haul Truck	2.429377	55.85604	16.45777	2.720922	1.18178	0.249315	0.442525
22-02-62-0080	Diesel	Combination Long-Haul Truck	14.39458	221.9066	62.60023	8.72941	4.815015	0.598661	1.140976
22-03-42-0080	CNG	Transit Bus	0.01539	0.199924	0.561662	0.007302	0.001035	0.000603	0.003222
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
New London County Total for On-Road Mobile Sources			**1,077.40**	**1,502.93**	**12,109.11**	**99.21**	**26.28**	**8.23**	**74.37**

Table F-7: Annual 2017 Onroad Emissions by SCC for Tolland County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	30.17597	8.101305	146.363	0.236527	0.065453	0.024451	0.385188
22-01-21-0080	Gas	Passenger Car	244.5429	202.8278	2,233.73	19.82158	4.276551	1.392978	16.16206
22-01-31-0080	Gas	Passenger Truck	268.8014	347.7513	3,458.53	24.64281	5.194401	2.107932	18.76395
22-01-32-0080	Gas	Light Commercial Truck	13.99119	18.49368	191.4128	1.275764	0.270109	0.108279	0.965567
22-01-42-0080	Gas	Transit Bus	0.002113	0.004454	0.131689	0.000509	8.6E-05	4.19E-05	0.000168
22-01-43-0080	Gas	School Bus	0.010325	0.01166	0.911812	0.000888	0.000183	6.57E-05	0.000324
22-01-51-0080	Gas	Refuse Truck	0.01403	0.016352	0.285945	0.000229	0.000138	1.84E-05	7E-05
22-01-52-0080	Gas	Single Unit Short-Haul Truck	10.14736	9.483747	216.1263	0.262257	0.098712	0.018463	0.108477
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.417045	0.368312	5.559857	0.005837	0.003268	0.000262	0.001546
22-01-54-0080	Gas	Motor Home	1.435584	1.003149	19.44971	0.017671	0.008188	0.001045	0.005615
22-01-61-0080	Gas	Combination Short-Haul Truck	0.002916	0.004876	0.064095	6.6E-05	4.12E-05	3.68E-06	1.38E-05
22-02-21-0080	Diesel	Passenger Car	0.988859	1.115689	13.39547	0.138715	0.02259	0.013409	0.033494
22-02-31-0080	Diesel	Passenger Truck	4.580048	19.81666	34.20624	0.970051	0.532085	0.076166	0.298417
22-02-32-0080	Diesel	Light Commercial Truck	0.763923	2.969449	5.738607	0.155792	0.089595	0.011009	0.041455
22-02-41-0080	Diesel	Intercity Bus	0.146341	3.004114	0.888521	0.133583	0.074063	0.008746	0.015097
22-02-42-0080	Diesel	Transit Bus	0.047119	0.640643	0.406	0.025227	0.0105	0.002211	0.003941
22-02-43-0080	Diesel	School Bus	0.302799	1.663801	4.328984	0.098627	0.028833	0.007718	0.019066
22-02-51-0080	Diesel	Refuse Truck	0.049436	0.737741	0.350278	0.032731	0.021848	0.001402	0.002411
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	4.181895	21.86991	19.27993	0.954518	0.479266	0.050836	0.145848
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.481476	3.037334	2.430265	0.160157	0.07242	0.007807	0.025021
22-02-54-0080	Diesel	Motor Home	0.078421	0.511018	0.297528	0.017727	0.012323	0.000679	0.001723
22-02-61-0080	Diesel	Combination Short-Haul Truck	1.28335	28.82495	8.622876	1.446775	0.615652	0.127659	0.22626
22-02-62-0080	Diesel	Combination Long-Haul Truck	7.461599	118.555	33.22046	4.854639	2.626512	0.323224	0.609355
22-03-42-0080	CNG	Transit Bus	0.00586	0.073774	0.19317	0.002963	0.000413	0.000222	0.001194
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Tolland County Total for On-Road Mobile Sources			**589.9119**	**790.8868**	**6395.916**	**55.25564**	**14.50323**	**4.284629**	**37.81626**

Table F-8: Annual 2017 Onroad Emissions by SCC for Windham County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	33.165	7.331	148.877	0.298	0.072	0.024	0.392
22-01-21-0080	Gas	Passenger Car	239.755	186.162	2,183.872	24.064	4.733	1.391	15.490
22-01-31-0080	Gas	Passenger Truck	257.107	304.639	3,271.030	29.559	5.659	2.026	17.329
22-01-32-0080	Gas	Light Commercial Truck	13.810	16.767	185.351	1.578	0.303	0.107	0.916
22-01-42-0080	Gas	Transit Bus	0.003	0.005	0.195	0.001	0	0	0
22-01-43-0080	Gas	School Bus	0.010	0.009	0.867	0.001	0	0	0
22-01-51-0080	Gas	Refuse Truck	0.044	0.042	0.836	0.001	0.000	0.000	0.000
22-01-52-0080	Gas	Single Unit Short-haul Truck	11.440	9.480	236.631	0.316	0.113	0.016	0.088
22-01-53-0080	Gas	Single Unit Long-haul Truck	0.468	0.356	6.014	0.007	0.004	0.000	0.001
22-01-54-0080	Gas	Motor Home	1.462	0.831	18.865	0.019	0.009	0.001	0.004
22-01-61-0080	Gas	Combination Short-haul Truck	0.004	0.006	0.078	0.000	0.000	0.000	0.000
22-02-21-0080	Diesel	Passenger Car	0.954	1.009	13.244	0.171	0.026	0.013	0.032
22-02-31-0080	Diesel	Passenger Truck	4.653	19.649	34.182	1.030	0.515	0.072	0.276
22-02-32-0080	Diesel	Light Commercial Truck	0.798	3.082	5.884	0.170	0.089	0.011	0.039
22-02-41-0080	Diesel	Intercity Bus	0.179	3.036	1.069	0.185	0.082	0.009	0.015
22-02-42-0080	Diesel	Transit Bus	0.060	0.684	0.546	0.036	0.012	0.002	0.004
22-02-43-0080	Diesel	School Bus	0.263	1.120	4.027	0.084	0.021	0.005	0.012
22-02-51-0080	Diesel	Refuse Truck	0.137	1.687	0.983	0.092	0.053	0.003	0.006
22-02-52-0080	Diesel	Single Unit Short-haul Truck	4.272	20.356	19.738	1.049	0.445	0.047	0.118
22-02-53-0080	Diesel	Single Unit Long-haul Truck	0.484	2.849	2.448	0.181	0.069	0.007	0.020
22-02-54-0080	Diesel	Motor Home	0.071	0.423	0.268	0.015	0.010	0.001	0.001
22-02-61-0080	Diesel	Combination Short-haul Truck	1.857	35.824	11.408	2.821	0.894	0.157	0.276
22-02-62-0080	Diesel	Combination Long-haul Truck	4.865	73.250	21.407	4.456	1.833	0.203	0.376
22-03-42-0080	CNG	Transit Bus	0.008	0.075	0.227	0.005	0.001	0.000	0.001
22-05-21-0080	E-85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E-85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E-85	Light Commercial Truck	0	0	0	0	0	0	0
Windham County Total for On-Road Mobile Sources			**575.869**	**688.674**	**6,168.046**	**66.140**	**14.945**	**4.097**	**35.397**

Table F-9: 2017 Summer Weekday Onroad Emissions by SCC For Fairfield County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	746.672	129.508	3,101.148
22-01-21-0080	Gas	Passenger Car	7,853.795	6,061.866	78,415.867
22-01-31-0080	Gas	Passenger Truck	8,705.448	10,388.907	132,438.539
22-01-32-0080	Gas	Light Commercial Truck	794.305	969.711	12,579.920
22-01-42-0080	Gas	Transit Bus	0.136	0.170	7.746
22-01-43-0080	Gas	School Bus	0.359	0.272	31.815
22-01-51-0080	Gas	Refuse Truck	0.790	0.672	13.437
22-01-52-0080	Gas	Single Unit Short-Haul Truck	424.068	305.715	7,688.062
22-01-53-0080	Gas	Single Unit Long-Haul Truck	15.943	10.960	182.070
22-01-54-0080	Gas	Motor Home	13.668	5.944	129.946
22-01-61-0080	Gas	Combination Short-Haul Truck	0.106	0.127	1.960
22-02-21-0080	Diesel	Passenger Car	25.102	37.882	633.868
22-02-31-0080	Diesel	Passenger Truck	142.897	734.087	1,635.247
22-02-32-0080	Diesel	Light Commercial Truck	41.634	195.953	475.764
22-02-41-0080	Diesel	Intercity Bus	6.382	111.017	47.872
22-02-42-0080	Diesel	Transit Bus	1.759	24.871	23.018
22-02-43-0080	Diesel	School Bus	2.931	29.791	153.929
22-02-51-0080	Diesel	Refuse Truck	1.850	28.992	17.606
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	83.014	655.925	705.389
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	11.376	90.228	84.741
22-02-54-0080	Diesel	Motor Home	0.469	3.327	2.179
22-02-61-0080	Diesel	Combination Short-Haul Truck	41.439	825.474	295.789
22-02-62-0080	Diesel	Combination Long-Haul Truck	246.620	3,083.941	1,063.519
22-03-42-0080	CNG	Transit Bus	0.289	3.342	9.703
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
Fairfield County Total for On-Road Mobile Sources			19,161.049	23,698.682	239,739.134

Table F-10: 2017 Summer Weekday Onroad Emissions by SCC For Hartford County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	861.579	148.406	3,352.806
22-01-21-0080	Gas	Passenger Car	8,655.584	6,954.283	90,964.060
22-01-31-0080	Gas	Passenger Truck	7,749.549	9,778.655	125,179.952
22-01-32-0080	Gas	Light Commercial Truck	778.236	1,006.270	13,069.890
22-01-42-0080	Gas	Transit Bus	0.136	0.176	7.963
22-01-43-0080	Gas	School Bus	0.445	0.343	39.861
22-01-51-0080	Gas	Refuse Truck	0.549	0.474	9.414
22-01-52-0080	Gas	Single Unit Short-Haul Truck	470.745	342.796	8,584.213
22-01-53-0080	Gas	Single Unit Long-Haul Truck	17.672	12.307	203.781
22-01-54-0080	Gas	Motor Home	29.222	12.249	266.643
22-01-61-0080	Gas	Combination Short-Haul Truck	0.203	0.223	3.571
22-02-21-0080	Diesel	Passenger Car	27.792	43.878	737.637
22-02-31-0080	Diesel	Passenger Truck	128.682	674.412	1,522.423
22-02-32-0080	Diesel	Light Commercial Truck	41.465	198.123	489.772
22-02-41-0080	Diesel	Intercity Bus	6.053	112.971	47.315
22-02-42-0080	Diesel	Transit Bus	1.698	25.090	23.135
22-02-43-0080	Diesel	School Bus	3.828	36.110	191.824
22-02-51-0080	Diesel	Refuse Truck	1.218	20.058	11.993
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	88.759	706.136	765.998
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	11.936	96.618	91.499
22-02-54-0080	Diesel	Motor Home	0.875	6.664	4.251
22-02-61-0080	Diesel	Combination Short-Haul Truck	63.052	1,343.410	494.040
22-02-62-0080	Diesel	Combination Long-Haul Truck	137.930	2,255.164	717.556
22-03-42-0080	CNG	Transit Bus	0.273	3.349	9.632
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
Hartford County Total for On-Road Mobile Sources			**19,077.478**	**23,778.165**	**246,789.230**

Table F-11: 2017 Summer Weekday Onroad Emissions by SCC For Litchfield County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	291.315	50.945	1,039.064
22-01-21-0080	Gas	Passenger Car	1,694.141	1,131.523	12,910.976
22-01-31-0080	Gas	Passenger Truck	2,035.711	2,126.853	24,141.109
22-01-32-0080	Gas	Light Commercial Truck	152.424	164.571	1,951.331
22-01-42-0080	Gas	Transit Bus	0.022	0.018	1.331
22-01-43-0080	Gas	School Bus	0.096	0.059	8.731
22-01-51-0080	Gas	Refuse Truck	0.221	0.134	3.350
22-01-52-0080	Gas	Single Unit Short-Haul Truck	140.584	85.105	2,477.776
22-01-53-0080	Gas	Single Unit Long-Haul Truck	5.197	2.775	54.757
22-01-54-0080	Gas	Motor Home	12.558	3.279	100.739
22-01-61-0080	Gas	Combination Short-Haul Truck	0.029	0.028	0.478
22-02-21-0080	Diesel	Passenger Car	5.148	6.779	102.349
22-02-31-0080	Diesel	Passenger Truck	27.065	125.609	285.490
22-02-32-0080	Diesel	Light Commercial Truck	6.536	27.474	69.339
22-02-41-0080	Diesel	Intercity Bus	0.662	11.103	6.324
22-02-42-0080	Diesel	Transit Bus	0.167	2.176	3.347
22-02-43-0080	Diesel	School Bus	0.566	4.023	41.195
22-02-51-0080	Diesel	Refuse Truck	0.216	3.016	3.638
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	12.826	96.750	184.946
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.614	11.775	20.755
22-02-54-0080	Diesel	Motor Home	0.163	1.161	1.253
22-02-61-0080	Diesel	Combination Short-Haul Truck	8.099	159.919	65.713
22-02-62-0080	Diesel	Combination Long-Haul Truck	13.008	215.985	72.289
22-03-42-0080	CNG	Transit Bus	0.031	0.278	1.150
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
Litchfield County Total for On-Road Mobile Sources			**4,408.399**	**4,231.337**	**43,547.428**

Table F-12: 2017 Summer Weekday Onroad Emissions by SCC For Middlesex County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	200.038	32.060	703.769
22-01-21-0080	Gas	Passenger Car	1,573.033	1,322.789	16,972.211
22-01-31-0080	Gas	Passenger Truck	1,769.505	2,347.883	29,542.890
22-01-32-0080	Gas	Light Commercial Truck	136.854	185.200	2,369.718
22-01-42-0080	Gas	Transit Bus	0.014	0.026	0.778
22-01-43-0080	Gas	School Bus	0.078	0.076	6.742
22-01-51-0080	Gas	Refuse Truck	0.251	0.218	4.330
22-01-52-0080	Gas	Single Unit Short-Haul Truck	100.390	73.282	1,831.505
22-01-53-0080	Gas	Single Unit Long-Haul Truck	3.764	2.628	43.238
22-01-54-0080	Gas	Motor Home	9.371	4.162	90.127
22-01-61-0080	Gas	Combination Short-Haul Truck	0.027	0.033	0.514
22-02-21-0080	Diesel	Passenger Car	5.137	8.473	138.583
22-02-31-0080	Diesel	Passenger Truck	29.437	153.515	355.007
22-02-32-0080	Diesel	Light Commercial Truck	7.297	34.499	87.779
22-02-41-0080	Diesel	Intercity Bus	0.934	18.077	6.214
22-02-42-0080	Diesel	Transit Bus	0.265	4.127	2.709
22-02-43-0080	Diesel	School Bus	0.951	11.060	33.642
22-02-51-0080	Diesel	Refuse Truck	0.541	9.226	5.523
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	17.631	146.754	163.825
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.408	19.879	19.555
22-02-54-0080	Diesel	Motor Home	0.287	2.195	1.438
22-02-61-0080	Diesel	Combination Short-Haul Truck	9.480	208.612	73.039
22-02-62-0080	Diesel	Combination Long-Haul Truck	56.380	720.226	242.869
22-03-42-0080	CNG	Transit Bus	0.042	0.565	1.393
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
Middlesex County Total for On-Road Mobile Sources			**3,924.115**	**5,305.564**	**52,697.399**

Table F-13: 2017 Summer Weekday Onroad Emissions by SCC For New Haven County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	749.100	121.849	2,856.552
22-01-21-0080	Gas	Passenger Car	7,584.843	6,152.925	80,037.061
22-01-31-0080	Gas	Passenger Truck	7,106.299	8,983.418	114,715.397
22-01-32-0080	Gas	Light Commercial Truck	616.800	796.552	10,332.793
22-01-42-0080	Gas	Transit Bus	0.116	0.152	6.739
22-01-43-0080	Gas	School Bus	0.447	0.346	39.890
22-01-51-0080	Gas	Refuse Truck	0.618	0.584	11.003
22-01-52-0080	Gas	Single Unit Short-Haul Truck	349.283	268.245	6,423.955
22-01-53-0080	Gas	Single Unit Long-Haul Truck	13.196	9.865	155.317
22-01-54-0080	Gas	Motor Home	22.474	11.139	223.100
22-01-61-0080	Gas	Combination Short-Haul Truck	0.128	0.151	2.343
22-02-21-0080	Diesel	Passenger Car	24.571	38.984	650.253
22-02-31-0080	Diesel	Passenger Truck	119.873	625.818	1,406.873
22-02-32-0080	Diesel	Light Commercial Truck	33.240	158.513	389.604
22-02-41-0080	Diesel	Intercity Bus	5.343	97.937	41.121
22-02-42-0080	Diesel	Transit Bus	1.491	22.032	19.992
22-02-43-0080	Diesel	School Bus	3.550	37.606	192.851
22-02-51-0080	Diesel	Refuse Truck	1.672	27.551	14.880
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	78.414	629.484	617.728
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	10.807	87.349	75.285
22-02-54-0080	Diesel	Motor Home	0.885	6.499	3.925
22-02-61-0080	Diesel	Combination Short-Haul Truck	45.378	949.770	339.854
22-02-62-0080	Diesel	Combination Long-Haul Truck	235.314	2,962.151	1,013.031
22-03-42-0080	CNG	Transit Bus	0.237	2.982	8.404
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
New Haven County Total for On-Road Mobile Sources			17,004.080	21,991.904	219,577.951

Table F-14: 2017 Summer Weekday Onroad Emissions by SCC For New London County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	357.935	61.913	1,315.702
22-01-21-0080	Gas	Passenger Car	2,606.430	2,147.906	26,645.512
22-01-31-0080	Gas	Passenger Truck	2,720.936	3,562.950	43,227.925
22-01-32-0080	Gas	Light Commercial Truck	157.084	211.231	2,624.459
22-01-42-0080	Gas	Transit Bus	0.043	0.063	2.511
22-01-43-0080	Gas	School Bus	0.120	0.099	10.747
22-01-51-0080	Gas	Refuse Truck	0.148	0.142	2.654
22-01-52-0080	Gas	Single Unit Short-Haul Truck	134.575	104.041	2,483.479
22-01-53-0080	Gas	Single Unit Long-Haul Truck	5.073	3.814	59.393
22-01-54-0080	Gas	Motor Home	17.620	8.310	164.950
22-01-61-0080	Gas	Combination Short-Haul Truck	0.038	0.049	0.734
22-02-21-0080	Diesel	Passenger Car	8.379	13.633	215.641
22-02-31-0080	Diesel	Passenger Truck	45.112	234.670	525.524
22-02-32-0080	Diesel	Light Commercial Truck	8.379	39.515	97.702
22-02-41-0080	Diesel	Intercity Bus	2.194	42.231	16.313
22-02-42-0080	Diesel	Transit Bus	0.618	9.375	7.682
22-02-43-0080	Diesel	School Bus	1.174	11.607	52.238
22-02-51-0080	Diesel	Refuse Truck	0.389	6.590	3.529
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	29.664	231.677	234.927
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	4.028	31.797	28.520
22-02-54-0080	Diesel	Motor Home	0.623	4.640	2.845
22-02-61-0080	Diesel	Combination Short-Haul Truck	13.866	305.598	104.986
22-02-62-0080	Diesel	Combination Long-Haul Truck	93.206	1,231.703	406.438
22-03-42-0080	CNG	Transit Bus	0.095	1.257	3.396
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
New London County Total for On-Road Mobile Sources			**6,207.727**	**8,264.811**	**78,237.807**

Table F-15: 2017 Summer Weekday Onroad Emissions by SCC For Tolland County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	221.437	38.793	818.508
22-01-21-0080	Gas	Passenger Car	1,326.766	1,069.927	13,045.172
22-01-31-0080	Gas	Passenger Truck	1,492.572	1,900.472	22,627.961
22-01-32-0080	Gas	Light Commercial Truck	77.132	101.096	1,240.364
22-01-42-0080	Gas	Transit Bus	0.013	0.022	0.696
22-01-43-0080	Gas	School Bus	0.069	0.064	5.971
22-01-51-0080	Gas	Refuse Truck	0.095	0.089	1.688
22-01-52-0080	Gas	Single Unit Short-Haul Truck	75.528	57.071	1,386.771
22-01-53-0080	Gas	Single Unit Long-Haul Truck	2.842	2.071	32.788
22-01-54-0080	Gas	Motor Home	11.321	5.084	103.793
22-01-61-0080	Gas	Combination Short-Haul Truck	0.021	0.025	0.386
22-02-21-0080	Diesel	Passenger Car	4.237	6.736	104.922
22-02-31-0080	Diesel	Passenger Truck	24.572	126.281	278.611
22-02-32-0080	Diesel	Light Commercial Truck	4.080	18.988	46.433
22-02-41-0080	Diesel	Intercity Bus	0.857	16.368	5.694
22-02-42-0080	Diesel	Transit Bus	0.230	3.483	2.367
22-02-43-0080	Diesel	School Bus	0.874	9.068	29.675
22-02-51-0080	Diesel	Refuse Truck	0.241	4.016	2.227
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	16.067	123.162	129.801
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.177	16.809	15.696
22-02-54-0080	Diesel	Motor Home	0.385	2.794	1.784
22-02-61-0080	Diesel	Combination Short-Haul Truck	7.208	156.924	55.055
22-02-62-0080	Diesel	Combination Long-Haul Truck	48.122	653.901	215.695
22-03-42-0080	CNG	Transit Bus	0.036	0.464	1.180
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
Tolland County Total for On-Road Mobile Sources			**3,316.882**	**4,313.708**	**40,153.238**

Table F-16: 2017 Summer Weekday Onroad Emissions by SCC For Windham County
(Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	240.280	35.466	847.268
22-01-21-0080	Gas	Passenger Car	1,314.359	999.666	12,987.370
22-01-31-0080	Gas	Passenger Truck	1,441.882	1,687.323	21,539.149
22-01-32-0080	Gas	Light Commercial Truck	77.008	93.156	1,206.864
22-01-42-0080	Gas	Transit Bus	0.019	0.024	1.025
22-01-43-0080	Gas	School Bus	0.066	0.051	5.691
22-01-51-0080	Gas	Refuse Truck	0.304	0.235	4.936
22-01-52-0080	Gas	Single Unit Short-Haul Truck	85.243	58.439	1,523.672
22-01-53-0080	Gas	Single Unit Long-Haul Truck	3.196	2.052	35.528
22-01-54-0080	Gas	Motor Home	11.530	4.259	100.202
22-01-61-0080	Gas	Combination Short-Haul Truck	0.028	0.030	0.475
22-02-21-0080	Diesel	Passenger Car	4.152	6.197	104.148
22-02-31-0080	Diesel	Passenger Truck	25.903	138.177	279.363
22-02-32-0080	Diesel	Light Commercial Truck	4.425	22.050	47.802
22-02-41-0080	Diesel	Intercity Bus	1.056	16.821	6.962
22-02-42-0080	Diesel	Transit Bus	0.283	3.804	3.171
22-02-43-0080	Diesel	School Bus	0.702	6.273	27.745
22-02-51-0080	Diesel	Refuse Truck	0.653	9.332	6.306
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	16.041	117.647	134.581
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.154	16.164	15.978
22-02-54-0080	Diesel	Motor Home	0.344	2.361	1.610
22-02-61-0080	Diesel	Combination Short-Haul Truck	10.914	198.475	73.976
22-02-62-0080	Diesel	Combination Long-Haul Truck	31.758	409.288	140.646
22-03-42-0080	CNG	Transit Bus	0.049	0.478	1.402
22-05-21-0080	E85	Passenger Car	0.000	0.000	0.000
22-05-31-0080	E85	Passenger Truck	0.000	0.000	0.000
22-05-32-0080	E85	Light Commercial Truck	0.000	0.000	0.000
Windham County Total for On-Road Mobile Sources			**3,272.347**	**3,827.769**	**39,095.866**

Table F-17: 2017 Annual Onroad Emissions by Fuel Type
(Excluding Refueling Emissions)

Source Type	Annual Emissions [TPY]						
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
Fairfield							
CNG	0.05	0.53	1.59	0.02	0.00	0.00	0.01
Diesel	112	1,025	705	52	24	3	7
E85	0	0	0	0	0	0	0
Gas	3,296	3,334	37,116	289	59	21	200
Fairfield Total	**3,408**	**4,360**	**37,823**	**341**	**84**	**24**	**207**
Hartford							
CNG	0.04	0.53	1.60	0.02	0.00	0.00	0.01
Diesel	101	975	699	49	24	3	7
E85	0	0	0	0	0	0	0
Gas	3,281	3,368	37,875	287	60	21	211
Hartford Total	**3,382**	**4,344**	**38,575**	**336**	**84**	**25**	**218**
Litchfield							
CNG	0.01	0.04	0.20	0.00	0.00	0.00	0.00
Diesel	18	116	119	6	3	0	1
E85	0	0	0	0	0	0	0
Gas	790	672	7,589	45	11	3	32
Litchfield Total	**809**	**788**	**7,708**	**51**	**14**	**4**	**33**
Middlesex							
CNG	0.01	0.09	0.23	0.00	0.00	0.00	0.00
Diesel	25	239	156	10	5	1	2
E85	0	0	0	0	0	0	0
Gas	674	739	7,997	53	11	5	47
Middlesex Total	**699**	**978**	**8,153**	**63**	**17**	**5**	**48**
New Haven							
CNG	0.04	0.47	1.39	0.02	0.00	0.00	0.01
Diesel	104	1,009	657	48	23	3	7
E85	0	0	0	0	0	0	0
Gas	2,952	3,058	33,773	258	54	19	194
New Haven Total	**3,055**	**4,067**	**34,432**	**305**	**77**	**23**	**201**
New London							
CNG	0.02	0.20	0.56	0.01	0.00	0.00	0.00
Diesel	38	383	235	16	9	1	3
E85	0	0	0	0	0	0	0
Gas	1,039	1,120	11,874	83	18	7	72
New London Total	**1,077**	**1,503**	**12,109**	**99**	**26**	**8**	**74**

Source Type	Annual Emissions [TPY]						
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
Tolland							
CNG	0.01	0.07	0.19	0.00	0.00	0.00	0.00
Diesel	20	203	123	9	5	1	1
E85	0	0	0	0	0	0	0
Gas	570	588	6,273	46	10	4	36
Tolland Total	**590**	**791**	**6,396**	**55**	**15**	**4**	**38**
Windham							
CNG	0.01	0.07	0.23	0.00	0.00	0.00	0.00
Diesel	19	163	115	10	4	1	1
E85	0	0	0	0	0	0	0
Gas	557	526	6,053	56	11	4	34
Windham Total	**576**	**689**	**6,168**	**66**	**15**	**4**	**35**
Statewide Total	**13,596**	**17,520**	**151,364**	**1,317**	**331**	**97**	**855**

Table F-18: 2017 Summer Weekday Onroad Emissions by Fuel Type (Excluding Refueling Emissions)

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield			
CNG	0.3	3.3	9.7
Diesel	605	5,821	5,139
E85	0	0	0
Gas	18,555	17,874	234,591
Fairfield Total	19,161	23,699	239,739
Hartford			
CNG	0.3	3.3	9.6
Diesel	513	5,519	5,097
E85	0	0	0
Gas	18,564	18,256	241,682
Hartford Total	19,077	23,778	246,789
Litchfield			
CNG	0.0	0.3	1.1
Diesel	76	666	857
E85	0	0	0
Gas	4,332	3,565	42,690
Litchfield Total	4,408	4,231	43,547

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Middlesex			
CNG	0.0	0.6	1.4
Diesel	131	1,337	1,130
E85	0	0	0
Gas	3,793	3,968	51,566
Middlesex Total	3,924	5,306	52,697
New Haven			
CNG	0.2	3.0	8.4
Diesel	561	5,644	4,765
E85	0	0	0
Gas	16,443	16,345	214,804
New Haven Total	17,004	21,992	219,578
New London			
CNG	0.1	1.3	3.4
Diesel	208	2,163	1,696
E85	0	0	0
Gas	6,000	6,101	76,538
New London Total	6,208	8,265	78,238
Tolland			
CNG	0.0	0.5	1.2
Diesel	109	1,139	888
E85	0	0	0
Gas	3,208	3,175	39,264
Tolland Total	3,317	4,314	40,153
Windham			
CNG	0.0	0.5	1.4
Diesel	98	947	842
E85	0	0	0
Gas	3,174	2,881	38,252
Windham Total	3,272	3,828	39,096
Statewide Total	76,372	95,412	959,838

Appendix G Non-Road Mobile Sources

Table G-1: 2017 Annual Non-Road Sector Emissions in Fairfield County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	0.4	4.1	3.5	0.3	0.3	0.0	0.0	0.0000
Aircraft Exhaust	9.6	5.4	285.1	6.6	5.3	1.0	0.0	0.2534
Airport Equipment	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	215.9	256.5	5,998.4	22.4	21.4	0.4	0.5	0.0000
Commercial Marine Vessels (CMV)	12.1	343.0	51.6	8.9	8.7	0.4	0.2	0.0011
Construction and Mining Equipment	142.8	797.8	1,350.1	72.9	70.4	1.2	1.3	0.0000
Industrial Equipment	55.2	333.1	1,421.3	17.3	16.9	0.7	0.5	0.0000
Lawn and Garden Equipment (Com)	1,399.0	344.8	21,970.0	120.2	111.1	0.7	1.5	0.0000
Lawn and Garden Equipment (Res)	281.3	47.1	4,812.0	12.3	11.3	0.1	0.3	0.0000
Locomotives	19.8	428.4	53.2	12.5	12.2	0.2	0.2	0.0000
Logging Equipment	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0000
Pleasure Craft	452.3	299.8	2,399.6	9.2	8.6	0.3	0.4	0.0000
Railroad Equipment	1.3	6.2	14.9	0.7	0.7	0.0	0.0	0.0000
Recreational Equipment	55.4	9.8	980.6	1.7	1.5	0.0	0.1	0.0000
Fairfield County Total	**2,645.0**	**2,876.0**	**39,340.6**	**285.1**	**268.4**	**5.1**	**4.8**	**0.2545**

Table G-2: 2017 Summer Weekday Non-Road Sector Emissions in Fairfield County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	3.98	40.77	35.78
Aircraft Exhaust	67.68	38.17	2,024.33
Airport Equipment	0.02	0.04	0.55
Commercial Equipment	1,417.48	1,521.34	39,717.16
Commercial Marine Vessels (CMV)	66.49	1,884.55	283.30
Construction and Mining Equipment	1,055.41	5,862.14	10,237.85
Industrial Equipment	343.39	1,994.84	9,116.36
Lawn and Garden Equipment (Com)	10,275.76	2,879.07	198,830.22
Lawn and Garden Equipment (Res)	1,758.55	249.19	31,294.01
Locomotives	152.43	3,295.20	408.91
Logging Equipment	0.11	0.32	1.04
Pleasure Craft	3,004.74	1,489.06	12,612.94
Railroad Equipment	8.62	42.20	105.38
Recreational Equipment	389.87	56.47	7,047.51
Fairfield County Total	**18,544.52**	**19,353.38**	**311,715.35**

Table G-3: 2017 Annual Non-Road Sector Emissions in Hartford County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	2.3	23.7	20.3	1.7	1.7	0.0	0.0	0.0000
Aircraft Exhaust	115.3	294.6	941.6	13.7	12.2	43.0	0.0	0.2963
Airport Equipment	3.8	12.0	106.6	0.6	0.5	0.6	0.0	0.0000
Commercial Equipment	182.9	218.3	5,079.8	19.0	18.1	0.3	0.4	0.0000
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Construction and Mining Equipment	102.7	574.1	970.4	52.5	50.7	0.9	0.9	0.0000
Industrial Equipment	62.0	366.8	1,613.4	19.2	18.8	0.7	0.5	0.0000
Lawn and Garden Equipment (Com)	680.5	168.7	10,671.4	58.5	54.1	0.4	0.7	0.0000
Lawn and Garden Equipment (Res)	290.7	49.3	4,982.2	12.8	11.8	0.1	0.3	0.0000
Locomotives	7.9	158.4	20.9	5.0	4.8	0.1	0.1	0.0000
Logging Equipment	0.1	0.3	0.8	0.0	0.0	0.0	0.0	0.0000
Pleasure Craft	141.0	54.2	613.4	2.4	2.2	0.1	0.1	0.0000
Railroad Equipment	1.2	6.1	14.4	0.7	0.7	0.0	0.0	0.0000
Recreational Equipment	44.3	9.4	983.3	1.3	1.2	0.0	0.1	0.0000
Hartford County Total	**1,634.7**	**1,935.8**	**26,018.6**	**187.4**	**176.7**	**46.2**	**3.1**	**0.2963**

Table G-4: 2017 Summer Weekday Non-Road Sector Emissions in Hartford County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	23.29	237.06	208.08
Aircraft Exhaust	675.67	1,684.03	6,151.16
Airport Equipment	21.56	68.56	607.15
Commercial Equipment	1,243.21	1,290.66	33,711.44
Commercial Marine Vessels (CMV)	0.00	0.01	0.00
Construction and Mining Equipment	763.30	4,218.08	7,368.08
Industrial Equipment	390.20	2,202.90	10,363.62
Lawn and Garden Equipment (Com)	5,021.69	1,400.08	96,758.38
Lawn and Garden Equipment (Res)	1,933.70	258.24	32,466.16
Locomotives	60.68	1,218.61	160.83
Logging Equipment	0.56	1.65	5.46
Pleasure Craft	944.71	272.22	3,199.82
Railroad Equipment	8.44	40.89	102.14
Recreational Equipment	315.02	53.40	7,087.09
Hartford County Total	**11,402.03**	**12,946.38**	**198,189.40**

Table G-5: 2017 Annual Non-Road Sector Emissions in Litchfield County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	3.4	35.5	30.3	2.6	2.5	0.0	0.0	0.0000
Aircraft Exhaust	0.6	0.3	42.3	0.8	0.6	0.0	0.0	0.0524
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	33.1	39.9	919.5	3.5	3.3	0.1	0.1	0.0000
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Construction and Mining Equipment	19.5	109.1	184.0	10.0	9.6	0.2	0.2	0.0000
Industrial Equipment	13.7	81.1	358.0	4.2	4.2	0.2	0.1	0.0000
Lawn and Garden Equipment (Com)	196.5	49.3	3,072.5	16.9	15.6	0.1	0.2	0.0000
Lawn and Garden Equipment (Res)	65.2	11.4	1,123.3	2.9	2.7	0.0	0.1	0.0000
Locomotives	2.3	50.2	6.2	1.5	1.4	0.0	0.0	0.0000
Logging Equipment	0.5	1.5	4.8	0.1	0.1	0.0	0.0	0.0000
Pleasure Craft	228.1	89.3	1,005.8	4.0	3.7	0.1	0.2	0.0000
Railroad Equipment	0.3	1.3	3.1	0.1	0.1	0.0	0.0	0.0000
Recreational Equipment	276.6	22.0	1,277.2	8.6	8.0	0.1	0.1	0.0000
Litchfield County Total	**839.9**	**490.9**	**8,027.0**	**55.2**	**51.8**	**0.8**	**1.0**	**0.0524**

Table G-6: 2017 Summer Weekday Non-Road Sector Emissions in Litchfield County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	34.86	354.77	311.41
Aircraft Exhaust	6.36	2.79	439.69
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	225.86	234.48	6,124.56
Commercial Marine Vessels (CMV)	0.00	0.00	0.00
Construction and Mining Equipment	145.05	801.56	1,400.16
Industrial Equipment	86.59	486.74	2,303.80
Lawn and Garden Equipment (Com)	1,450.71	404.47	27,952.42
Lawn and Garden Equipment (Res)	437.60	58.44	7,347.14
Locomotives	17.88	386.42	47.95
Logging Equipment	3.19	9.39	31.04
Pleasure Craft	1,550.29	446.71	5,250.98
Railroad Equipment	1.81	8.79	21.96
Recreational Equipment	1,268.55	91.88	7,439.10
Litchfield County Total	**5,228.75**	**3,286.44**	**58,670.20**

Table G-7: 2017 Annual Non-Road Sector Emissions in Middlesex County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	0.7	6.9	5.9	0.5	0.5	0.0	0.0	0.0000
Aircraft Exhaust	1.7	0.9	53.0	1.3	1.1	0.2	0.0	0.0491
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	32.3	38.5	900.3	3.4	3.2	0.1	0.1	0.0000
Commercial Marine Vessels (CMV)	3.1	83.0	12.2	2.2	2.1	0.2	0.0	0.0003
Construction and Mining Equipment	26.2	146.3	247.4	13.4	12.9	0.2	0.2	0.0000
Industrial Equipment	11.7	69.1	305.9	3.6	3.5	0.1	0.1	0.0000
Lawn and Garden Equipment (Com)	117.2	28.9	1,839.8	10.1	9.3	0.1	0.1	0.0000
Lawn and Garden Equipment (Res)	56.1	9.5	965.2	2.5	2.3	0.0	0.1	0.0000
Locomotives	1.2	26.8	3.3	0.8	0.8	0.0	0.0	0.0000
Logging Equipment	0.4	1.1	3.5	0.1	0.1	0.0	0.0	0.0000
Pleasure Craft	215.2	122.1	1,072.9	4.2	3.9	0.1	0.2	0.0000
Railroad Equipment	0.2	1.1	2.7	0.1	0.1	0.0	0.0	0.0000
Recreational Equipment	78.1	7.2	502.2	2.6	2.4	0.0	0.0	0.0000
Middlesex County Total	**544.0**	**541.4**	**5,914.2**	**44.7**	**42.1**	**1.1**	**0.9**	**0.0493**

Table G-8: 2017 Summer Weekday Non-Road Sector Emissions in Middlesex County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	6.74	68.96	60.52
Aircraft Exhaust	13.16	6.93	459.22
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	212.86	228.45	5,964.17
Commercial Marine Vessels (CMV)	16.91	455.89	67.03
Construction and Mining Equipment	193.49	1,074.74	1,876.96
Industrial Equipment	73.23	415.22	1,963.58
Lawn and Garden Equipment (Com)	860.94	241.22	16,658.75
Lawn and Garden Equipment (Res)	352.93	50.01	6,280.46
Locomotives	9.53	206.05	25.57
Logging Equipment	2.30	6.82	22.55
Pleasure Craft	1,424.26	608.00	5,627.10
Railroad Equipment	1.54	7.53	18.79
Recreational Equipment	556.99	43.43	3,584.82
Middlesex County Total	**3,724.88**	**3,413.26**	**42,609.53**

Table G-9: 2017 Annual Non-Road Sector Emissions in New Haven County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	1.1	10.9	9.3	0.8	0.8	0.0	0.0	0.0000
Aircraft Exhaust	9.4	9.4	249.3	6.0	4.8	1.6	0.0	0.2110
Airport Equipment	0.1	0.3	2.9	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	169.1	202.3	4,710.9	17.6	16.8	0.3	0.4	0.0000
Commercial Marine Vessels (CMV)	15.7	329.2	47.5	8.2	7.8	4.5	0.2	0.0010
Construction and Mining Equipment	113.6	635.3	1,073.9	58.1	56.1	1.0	1.0	0.0000
Industrial Equipment	47.8	292.6	1,226.1	15.1	14.8	0.6	0.4	0.0000
Lawn and Garden Equipment (Com)	498.8	123.6	7,826.1	42.9	39.6	0.3	0.5	0.0000
Lawn and Garden Equipment (Res)	279.1	47.5	4,805.5	12.3	11.3	0.1	0.3	0.0000
Locomotives	17.1	362.0	45.7	10.8	10.5	0.2	0.1	0.0000
Logging Equipment	0.2	0.8	2.4	0.1	0.1	0.0	0.0	0.0000
Pleasure Craft	395.8	321.5	2,313.1	8.8	8.3	0.3	0.4	0.0000
Railroad Equipment	1.2	5.8	13.9	0.7	0.6	0.0	0.0	0.0000
Recreational Equipment	51.0	8.2	789.1	1.6	1.4	0.0	0.0	0.0000
New Haven County Total	**1,600.1**	**2,349.3**	**23,115.7**	**182.9**	**173.0**	**8.9**	**3.4**	**0.2119**

Table G-10: 2017 Summer Weekday Non-Road Sector Emissions in New Haven County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	10.60	108.52	95.24
Aircraft Exhaust	59.19	57.49	1,629.17
Airport Equipment	0.76	2.23	21.75
Commercial Equipment	1,115.15	1,196.86	31,245.93
Commercial Marine Vessels (CMV)	86.40	1,808.58	261.04
Construction and Mining Equipment	840.33	4,667.50	8,151.48
Industrial Equipment	297.72	1,748.27	7,868.50
Lawn and Garden Equipment (Com)	3,665.94	1,027.13	70,933.99
Lawn and Garden Equipment (Res)	1,759.06	249.27	31,303.20
Locomotives	131.55	2,784.70	351.66
Logging Equipment	1.61	4.76	15.72
Pleasure Craft	2,689.20	1,587.48	12,203.87
Railroad Equipment	8.04	39.37	98.32
Recreational Equipment	360.81	47.41	5,676.60
New Haven County Total	**11,026.37**	**15,329.55**	**169,856.46**

Table G-11: 2017 Annual Non-Road Sector Emissions in New London County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	2.0	20.7	17.8	1.5	1.5	0.0	0.0	0.0000
Aircraft Exhaust	6.1	7.3	118.9	2.9	2.3	0.9	0.0	0.1050
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	28.6	34.1	796.6	3.0	2.8	0.0	0.1	0.0000
Commercial Marine Vessels (CMV)	38.8	1,000.4	146.3	26.5	25.7	2.2	0.5	0.0032
Construction and Mining Equipment	51.4	287.1	485.6	26.3	25.3	0.4	0.5	0.0000
Industrial Equipment	13.3	83.2	338.9	4.3	4.2	0.2	0.1	0.0000
Lawn and Garden Equipment (Com)	66.9	16.5	1,050.8	5.8	5.3	0.0	0.1	0.0000
Lawn and Garden Equipment (Res)	91.1	15.4	1,568.7	4.0	3.7	0.0	0.1	0.0000
Locomotives	3.0	63.9	7.9	1.9	1.8	0.0	0.0	0.0000
Logging Equipment	0.3	0.9	2.8	0.1	0.1	0.0	0.0	0.0000
Pleasure Craft	414.8	220.2	2,016.4	7.8	7.3	0.2	0.3	0.0000
Railroad Equipment	0.4	1.8	4.4	0.2	0.2	0.0	0.0	0.0000
Recreational Equipment	167.5	15.0	1,020.7	5.5	5.1	0.0	0.1	0.0000
New London County Total	**884.2**	**1,766.5**	**7,575.8**	**89.7**	**85.3**	**4.1**	**1.8**	**0.1082**

Table G-12: 2017 Summer Weekday Non-Road Sector Emissions in New London County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	20.36	207.22	181.90
Aircraft Exhaust	43.28	46.41	925.74
Airport Equipment	0.00	0.01	0.16
Commercial Equipment	194.71	202.14	5,279.79
Commercial Marine Vessels (CMV)	213.01	5,496.57	803.94
Construction and Mining Equipment	381.78	2,109.72	3,685.24
Industrial Equipment	83.51	495.38	2,173.00
Lawn and Garden Equipment (Com)	494.20	137.79	9,522.25
Lawn and Garden Equipment (Res)	608.47	81.26	10,215.96
Locomotives	22.73	491.47	60.99
Logging Equipment	1.87	5.51	18.23
Pleasure Craft	2,825.78	1,096.81	10,568.75
Railroad Equipment	2.56	12.39	30.95
Recreational Equipment	1,216.54	90.87	7,286.73
New London County Total	**6,108.79**	**10,473.56**	**50,753.61**

Table G-13: 2017 Annual Non-Road Sector Emissions in Tolland County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	1.5	15.3	13.1	1.1	1.1	0.0	0.0	0.0000
Aircraft Exhaust	2.1	0.9	77.8	1.6	1.3	0.2	0.0	0.0764
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	11.7	14.0	325.6	1.2	1.2	0.0	0.0	0.0000
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Construction and Mining Equipment	22.8	127.7	215.6	11.7	11.3	0.2	0.2	0.0000
Industrial Equipment	4.2	29.8	101.2	1.5	1.4	0.1	0.0	0.0000
Lawn and Garden Equipment (Com)	59.4	14.8	929.9	5.1	4.7	0.0	0.1	0.0000
Lawn and Garden Equipment (Res)	43.0	7.4	739.6	1.9	1.7	0.0	0.0	0.0000
Locomotives	0.7	15.8	2.0	0.5	0.4	0.0	0.0	0.0000
Logging Equipment	0.3	1.0	3.1	0.1	0.1	0.0	0.0	0.0000
Pleasure Craft	64.5	25.1	283.0	1.1	1.0	0.0	0.0	0.0000
Railroad Equipment	0.2	1.0	2.4	0.1	0.1	0.0	0.0	0.0000
Recreational Equipment	41.6	4.6	366.2	1.3	1.2	0.0	0.0	0.0000
Tolland County Total	**252.1**	**257.5**	**3,059.5**	**27.2**	**25.6**	**0.6**	**0.5**	**0.0764**

Table G-14: 2017 Summer Weekday Non-Road Sector Emissions in Tolland County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	15.00	152.65	133.99
Aircraft Exhaust	13.63	6.23	522.43
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	79.83	82.88	2,164.71
Commercial Marine Vessels (CMV)	0.00	0.00	0.00
Construction and Mining Equipment	169.78	938.25	1,638.91
Industrial Equipment	26.26	174.47	648.06
Lawn and Garden Equipment (Com)	438.40	122.23	8,447.16
Lawn and Garden Equipment (Res)	287.66	38.42	4,829.65
Locomotives	5.62	121.43	15.07
Logging Equipment	2.09	6.16	20.36
Pleasure Craft	436.02	125.64	1,476.84
Railroad Equipment	1.39	6.71	16.77
Recreational Equipment	301.09	27.24	2,630.96
Tolland County Total	**1,776.76**	**1,802.30**	**22,544.92**

Table G-15: 2017 Annual Non-Road Sector Emissions in Windham County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	2.3	24.0	20.5	1.7	1.7	0.0	0.0	0.0000
Aircraft Exhaust	3.1	1.5	115.9	2.5	1.9	0.3	0.0	0.1136
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Equipment	12.9	15.4	357.7	1.3	1.3	0.0	0.0	0.0000
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Construction and Mining Equipment	27.8	155.5	262.6	14.2	13.7	0.2	0.2	0.0000
Industrial Equipment	6.3	38.8	162.5	2.0	2.0	0.1	0.1	0.0000
Lawn and Garden Equipment (Com)	45.9	11.4	719.1	3.9	3.6	0.0	0.0	0.0000
Lawn and Garden Equipment (Res)	36.4	6.2	624.6	1.6	1.5	0.0	0.0	0.0000
Locomotives	1.6	33.6	4.2	1.0	1.0	0.0	0.0	0.0000
Logging Equipment	0.4	1.2	3.8	0.1	0.1	0.0	0.0	0.0000
Pleasure Craft	82.8	32.0	361.6	1.4	1.3	0.0	0.1	0.0000
Railroad Equipment	0.2	0.8	1.8	0.1	0.1	0.0	0.0	0.0000
Recreational Equipment	128.3	11.4	758.0	4.2	3.9	0.0	0.1	0.0000
Windham County Total	**347.9**	**331.7**	**3,392.5**	**34.1**	**32.0**	**0.8**	**0.6**	**0.1136**

Table G-16: 2014 Summer Weekday Non-Road Sector Emissions in Windham County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	23.59	240.06	210.72
Aircraft Exhaust	36.01	16.63	1,410.58
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	87.62	90.96	2,375.90
Commercial Marine Vessels (CMV)	0.00	0.00	0.00
Construction and Mining Equipment	206.70	1,142.24	1,995.24
Industrial Equipment	39.79	231.66	1,043.75
Lawn and Garden Equipment (Com)	338.76	94.45	6,527.35
Lawn and Garden Equipment (Res)	242.71	32.41	4,075.03
Locomotives	11.96	258.54	32.08
Logging Equipment	2.54	7.49	24.76
Pleasure Craft	557.13	160.54	1,887.07
Railroad Equipment	1.08	5.24	13.09
Recreational Equipment	931.78	68.66	5,417.64
Windham County Total	**2,479.69**	**2,348.89**	**25,013.23**

Table G-17: 2017 Recreational Marine Source Type Population MOVES Input

Source Classification Code	Description[185]	Fuel Type	Average HP Rating	Source Type ID	Connecticut Population in 2017
22-82-005-010	2-Str Outboard	Gasoline	2.08	2113	3,734
		Gasoline	4.43	2114	7,965
		Gasoline	9.07	2115	8,125
		Gasoline	14.83	2116	3,430
		Gasoline	22.76	2117	4,856
		Gasoline	32.01	2118	5,125
		Gasoline	45.58	2119	2,789
		Gasoline	63.58	2120	4,669
		Gasoline	85.05	2121	5,080
		Gasoline	127.8	2122	10,854
		Gasoline	212.3	2123	7,166
22-82-005-015	2-Str Personal Water Craft	Gasoline	2.01	2124	34
		Gasoline	4.96	2125	27
		Gasoline	9.12	2126	37
		Gasoline	25	2127	77
		Gasoline	29.59	2128	195
		Gasoline	46.59	2129	276
		Gasoline	61.51	2130	606
		Gasoline	88.85	2131	1,573
		Gasoline	130	2132	4,673
		Gasoline	212.7	2133	3,012
22-82-010-005	4-Str Inboard/Sterndrive	Gasoline	5	2134	87
		Gasoline	10	2135	37
		Gasoline	15	2136	25
		Gasoline	30.47	2137	229
		Gasoline	59.55	2138	284
		Gasoline	0	2139	350
		Gasoline	149.7	2140	3,943
		Gasoline	211.1	2141	9,091
		Gasoline	380.8	2142	2,534

[185] The native MOVES population input (nrbaseyearequippopulation) table does not include descriptions, so experts at the EPA's MOVES support email address provided the needed SQL relationships. The SQL used for the above data is as follows:

SELECT a.SCC, a.description, nrfueltype.fuelTypeDesc, b.hpAvg, c.* FROM movesdb20210209.nrscc AS a, movesdb20210209.nrsourceusetype AS b,
2014_pei_2014_nonroad_annual_in.nrbaseyearequippopulation AS c, movesdb20210209.nrfueltype
WHERE c.StateID = 9 and a.SCC=b.scc and b.sourcetypeid = c.sourcetypeid and nrfueltype.fuelTypeID= a.fuelTypeID;

Source Classification Code	Description[185]	Fuel Type	Average HP Rating	Source Type ID	Connecticut Population in 2017
		Gasoline	650	2143	929
22-82-020-005	Inboard/Sterndrive	Diesel	9.736	2144	39
		Diesel	14.92	2145	56
		Diesel	21.41	2146	129
		Diesel	31.2	2147	198
		Diesel	42.4	2148	37
		Diesel	56.19	2149	96
		Diesel	94.22	2150	45
		Diesel	144.9	2151	176
		Diesel	223.1	2152	422
		Diesel	387.1	2153	797
		Diesel	677	2154	303
		Diesel	876.5	2155	403
		Diesel	1154	2156	52
		Diesel	1369	2157	115
		Diesel	2294	2158	9
22-82-020-010	Outboard	Diesel	32.25	2159	0
All Recreational Marine Sources					**94,689**

Table G-18: Annual Lead Emissions from Piston-Driven Aircraft

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	0.1845
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-011	0.2767
Fairfield	9795711	DXR	Danbury Muni	22-75-050-011	255.1444
Fairfield	9795711	DXR	Danbury Muni	22-75-060-011	4.0123
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	242.3694
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	4.8578
Fairfield	**All**				**506.85**
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	8.3014
Hartford	11315311	CT14	BANCROFT	22-75-050-011	0.7686
Hartford	11315611	CT19	LAURIE FIELD	22-75-050-011	0.3075
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	166.7962
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-011	0.3843
Hartford	11949311	23CT	BLANCHETTE	22-75-050-011	0.2767
Hartford	12306211	CT60	ULTIMATE	22-75-050-011	0.0307
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-011	0.2767

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-011	0.7686
Hartford	12307411	CT85	ROBERTS FARM	22-75-050-011	0.7686
Hartford	12308511	CT96	GREEN ACRES	22-75-050-011	2.3982
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	224.2986
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	0.8225
Hartford	9792411	BDL	Bradley Intl	22-75-050-011	0.7686
Hartford	9792411	BDL	Bradley Intl	22-75-060-011	0.7686
Hartford	9792511	4B9	Simsbury	22-75-050-011	70.3826
Hartford	9792511	4B9	Simsbury	22-75-060-011	0.1257
Hartford	9792611	4B8	Robertson Field	22-75-050-011	113.3325
Hartford	9792611	4B8	Robertson Field	22-75-060-011	1.0054
Hartford	**All**				**592.58**
Litchfield	10958911	08CT	SEAVAIR S LANDING	22-75-050-011	0.0154

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	15.9110
Litchfield	11116611	33CT	IRISH HILLS FARMS	22-75-050-011	0.0154
Litchfield	11193711	5CT5	THOMSON FIELD	22-75-050-011	0.0154
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	24.6582
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	0.0461
Litchfield	11316711	CT66	LONG VIEW LANDING	22-75-050-011	3.1361
Litchfield	12289011	CT01	WHELAN FARMS	22-75-050-011	13.8356
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-050-011	1.2858
Litchfield	12470011	N41	WATERBURY	22-75-050-011	45.8113
Litchfield	**All**				**104.73**
Middlesex	11146011	42B	GOODSPEED	22-75-050-011	34.3600
Middlesex	11146011	42B	GOODSPEED	22-75-060-011	0.0503
Middlesex	12289611	CT11	DEVILS HOPYARD FIELD	22-75-050-011	3.8432
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	0.9224
Middlesex	9790011	SNC	Chester	22-75-050-011	55.4194

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Middlesex	9790011	SNC	Chester	22-75-060-011	3.5204
Middlesex	**All**				**98.12**
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	7.6865
New Haven	11847011	5CT1	RONDO	22-75-050-011	0.2767
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	196.4813
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-011	7.4835
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-011	88.8261
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-011	0.3016
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-011	107.4260
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-011	13.4359
New Haven	**All**				**421.92**
New London	11314911	CT07	SKIS LANDING AREA	22-75-050-011	0.0922
New London	11315911	CT32	GALLUP FARM	22-75-050-011	0.3228
New London	11847311	5CT7	MILE CREEK	22-75-050-011	0.9224
New London	11962811	24CT	BEE FIELD	22-75-050-011	0.0154
New London	12289711	CT16	FETSKE	22-75-050-011	0.0461

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
New London	12304811	CT43	SPRUCE	22-75-050-011	0.5381
New London	12307011	CT80	STONINGTON AIRPARK	2275050011	0.0307
New London	16081511	69CT	THE SHORE	22-75-050-011	0.2767
New London	9810511	GON	Groton-New London	22-75-050-011	204.9672
New London	9810511	GON	Groton-New London	22-75-060-011	2.8102
New London	**All**				**210.02**
Tolland	11315011	CT09	HECKLER FIELD	22-75-050-011	1.9062
Tolland	11315411	CT15	WYSOCKI FIELD	22-75-050-011	0.1691
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	150.1865
Tolland	11649811	7B9	ELLINGTON	22-75-060-011	0.0335
Tolland	12290511	CT29	VALLEY FARMS	22-75-050-011	0.4612
Tolland	**All**				**152.76**
Windham	11580211	64CT	WOODSTOCK	22-75-050-011	11.5297
Windham	11847211	5CT6	BUELL FARM	22-75-050-011	1.8448
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-011	0.2767
Windham	12306711	CT74	WESTFORD AIRSTRIP	22-75-050-011	0.0461

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Windham	16101611	31CT	QUIET CORNER	22-75-050-011	0.2767
Windham	9808111	IJD	Windham	22-75-050-011	82.0207
Windham	9808111	IJD	Windham	22-75-060-011	0.8378
Windham	9808211	LZD	Danielson	22-75-050-011	130.2355
Windham	9808211	LZD	Danielson	22-75-060-011	0.1206
Windham	**All**				**227.19**
State Total	**All**				**2,314.16***

*The EPA estimated 2,527 lb/yr (1.26 Tons per Year) of statewide inflight lead emissions (SCC 22-75-087-000), which when added to the above statewide total of lead emitted below the boundary layer at specific airports, results in an estimated statewide total of 4,841 lb/yr (2.42 Tons per Year) for 2017 airport emissions.

Table G-19: Annual Emissions of Aircraft

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	11014011	0CT7	22-75-050-012	0.01103	0.00518	0.15323	0.00379	0.00370	0.00118
Fairfield	11193811	5CT8	22-75-050-012	0.01172	0.00550	0.16281	0.00402	0.00393	0.00125
Fairfield	11315111	CT12	22-75-050-012	0.00414	0.00194	0.05746	0.00142	0.00139	0.00044
Fairfield	11316111	CT41	22-75-050-012	0.17996	0.08450	2.49960	0.06178	0.06030	0.01920
Fairfield	11517611	0CT8	22-75-050-012	0.01069	0.00502	0.14844	0.00367	0.00358	0.00114
Fairfield	11847111	5CT4	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Fairfield	12291011	CT37	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Fairfield	12305511	CT52	22-75-050-011	0.00090	0.00039	0.07208	0.00142	0.00098	0.00006
Fairfield	12308011	CT91	22-75-050-012	0.00034	0.00016	0.00479	0.00012	0.00012	0.00004
Fairfield	12395011	JSD	22-75-050-012	0.99734	0.46830	13.85313	0.34239	0.33417	0.10643
Fairfield	16101711	9CT1	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Fairfield	16101711	9CT1	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	9795711	DXR	22-65-008-005	0.00131	0.00301	0.04397	0.00008	0.00008	0.00018
Fairfield	9795711	DXR	22-70-008-005	0.00008	0.00041	0.00016	0.00002	0.00002	0.00000
Fairfield	9795711	DXR	22-75-001-000	0.17385	0.35733	0.41539	0.02229	0.02175	0.03374
Fairfield	9795711	DXR	22-75-020-000	0.00308	0.00929	0.01119	0.00054	0.00053	0.00089
Fairfield	9795711	DXR	22-75-050-011	1.24871	0.53940	99.69818	1.96426	1.35534	0.08299
Fairfield	9795711	DXR	22-75-050-012	2.30971	1.05091	31.01218	0.76091	0.74267	0.23997
Fairfield	9795711	DXR	22-75-060-011	0.02214	0.02062	3.67097	0.07873	0.05433	0.00196
Fairfield	9795711	DXR	22-75-060-012	0.47176	0.36364	1.69360	0.28296	0.27617	0.07621
Fairfield	9795711	DXR	22-75-070-000	0.00048	0.00311	0.00437	0.00062	0.00062	0.00068
Fairfield	9795811	BDR	22-65-008-005	0.00081	0.00186	0.02722	0.00005	0.00005	0.00011
Fairfield	9795811	BDR	22-70-008-005	0.00005	0.00026	0.00010	0.00001	0.00001	0.00000

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	9795811	BDR	22-75-001-000	0.23361	0.48016	0.55818	0.02995	0.02923	0.04534
Fairfield	9795811	BDR	22-75-050-011	1.18619	0.51240	94.70636	1.86591	1.28748	0.07883
Fairfield	9795811	BDR	22-75-050-012	2.14183	0.99200	29.32558	0.72247	0.70514	0.22592
Fairfield	9795811	BDR	22-75-060-011	0.02681	0.02496	4.44454	0.09533	0.06578	0.00237
Fairfield	9795811	BDR	22-75-060-012	0.57687	0.44467	2.07096	0.34601	0.33771	0.09319
Fairfield	9795811	BDR	22-75-070-000	0.00029	0.00192	0.00271	0.00038	0.00038	0.00042
Fairfield	**All**	**All**	**All**	**9.65**	**5.39**	**285.22**	**6.60**	**5.30**	**1.02**
Hartford	11013811	0CT3	22-75-050-012	0.00241	0.00113	0.03352	0.00083	0.00081	0.00026
Hartford	11285611	9B8	22-75-050-011	0.04063	0.01755	3.24378	0.06391	0.04410	0.00270
Hartford	11315311	CT14	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	11315611	CT19	22-75-050-011	0.00150	0.00065	0.12014	0.00237	0.00163	0.00010

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	11517511	0CT5	22-75-050-012	0.02965	0.01392	0.41181	0.01018	0.00993	0.00316
Hartford	11517711	0CT9	22-75-050-012	0.56745	0.26644	7.88187	0.19480	0.19013	0.06055
Hartford	11649711	7B6	22-75-050-011	0.81632	0.35263	65.17595	1.28410	0.88603	0.05425
Hartford	11649711	7B6	22-75-050-012	1.44792	0.67987	20.11171	0.49707	0.48514	0.15451
Hartford	11649711	7B6	22-75-060-011	0.00212	0.00198	0.35163	0.00754	0.00520	0.00019
Hartford	11649711	7B6	22-75-060-012	0.03772	0.02908	0.13542	0.02262	0.02208	0.00609
Hartford	11949311	23CT	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Hartford	11949311	23CT	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12289111	CT02	22-75-050-012	0.01551	0.00728	0.21548	0.00533	0.00520	0.00166
Hartford	12289211	CT03	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12289311	CT05	22-75-050-012	0.13514	0.06345	1.87709	0.04639	0.04528	0.01442

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	12306211	CT60	22-75-050-011	0.00015	0.00007	0.01201	0.00024	0.00016	0.00001
Hartford	12306311	CT62	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Hartford	12306311	CT62	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12306511	CT71	22-75-050-012	0.07998	0.03755	1.11093	0.02746	0.02680	0.00853
Hartford	12306611	CT73	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	12306811	CT75	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12307411	CT85	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	12307711	CT88	22-75-050-012	0.03861	0.01813	0.53631	0.01326	0.01294	0.00412
Hartford	12308511	CT96	22-75-050-011	0.01174	0.00507	0.93709	0.01846	0.01274	0.00078
Hartford	9792311	HFD	22-75-001-000	0.21731	0.44666	0.51924	0.02786	0.02719	0.04218
Hartford	9792311	HFD	22-75-050-011	1.09775	0.47419	87.64513	1.72679	1.19148	0.07295

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	9792311	HFD	22-75-050-012	1.94642	0.91393	27.03588	0.66820	0.65217	0.20771
Hartford	9792311	HFD	22-75-060-011	0.00454	0.00423	0.75248	0.01614	0.01114	0.00040
Hartford	9792311	HFD	22-75-060-012	0.09677	0.07459	0.34739	0.05804	0.05665	0.01563
Hartford	9792411	BDL	22-65-008-005	2.81577	5.84361	104.38660	0.25381	0.23323	0.54376
Hartford	9792411	BDL	22-70-008-005	0.97006	6.19261	2.20894	0.31473	0.30503	0.01575
Hartford	9792411	BDL	22-75-001-000	7.23917	14.87951	17.29702	0.92813	0.90585	1.40516
Hartford	9792411	BDL	22-75-020-000	69.36486	252.26447	499.08352	2.16917	2.16917	36.42063
Hartford	9792411	BDL	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	9792411	BDL	22-75-050-012	21.13537	1.13071	43.91080	0.40562	0.39980	0.42162
Hartford	9792411	BDL	22-75-060-011	0.00424	0.00395	0.70325	0.01508	0.01041	0.00038
Hartford	9792411	BDL	22-75-060-012	7.17146	9.39955	50.59089	1.76249	1.72352	1.97589

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	9792411	BDL	22-75-070-000	1.04805	12.22778	14.06506	1.66754	1.66754	1.84323
Hartford	9792511	4B9	22-75-050-011	0.34446	0.14880	27.50215	0.54185	0.37387	0.02289
Hartford	9792511	4B9	22-75-050-012	0.61077	0.28678	8.48355	0.20967	0.20464	0.06518
Hartford	9792511	4B9	22-75-060-011	0.00069	0.00065	0.11498	0.00247	0.00170	0.00006
Hartford	9792511	4B9	22-75-060-012	0.01475	0.01137	0.05295	0.00885	0.00863	0.00238
Hartford	9792611	4B8	22-65-008-005	0.00012	0.00029	0.00419	0.00001	0.00001	0.00002
Hartford	9792611	4B8	22-70-008-005	0.00001	0.00004	0.00002	0.00000	0.00000	0.00000
Hartford	9792611	4B8	22-75-050-011	0.55466	0.23960	44.28493	0.87250	0.60203	0.03686
Hartford	9792611	4B8	22-75-050-012	0.98517	0.46223	13.67469	0.33766	0.32956	0.10512
Hartford	9792611	4B8	22-75-060-011	0.00555	0.00517	0.91985	0.01973	0.01361	0.00049
Hartford	9792611	4B8	22-75-060-012	0.11799	0.09095	0.42358	0.07077	0.06907	0.01906

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	9792611	4B8	22-75-070-000	0.00005	0.00030	0.00042	0.00006	0.00006	0.00006
Hartford	**All**	**All**	**All**	**119.04**	**306.63**	**1,048.21**	**14.32**	**12.74**	**43.53**
Litchfield	10946911	04CT	22-75-050-012	0.006894875	0.003237452	0.09577002	0.002367	0.002310192	0.00073577
Litchfield	10958911	08CT	22-75-050-011	0.000075237	0.0000325	0.006007	0.00011835	8.16615E-05	0.000005
Litchfield	10995811	11N	22-75-050-011	0.0778703	0.0336375	6.217245	0.1224922	0.08451965	0.005175
Litchfield	11116611	33CT	22-75-050-011	0.000075237	0.0000325	0.006007	0.00011835	8.16615E-05	0.000005
Litchfield	11193711	5CT5	22-75-050-011	0.000075237	0.0000325	0.006007	0.00011835	8.16615E-05	0.000005
Litchfield	11315811	CT24	22-75-050-011	0.1206801	0.05213	9.635228	0.1898334	0.130985	0.00802
Litchfield	11315811	CT24	22-75-050-012	0.06756978	0.03172703	0.9385462	0.0231966	0.02263988	0.007210544
Litchfield	11316211	CT42	22-75-050-011	0.000225711	0.0000975	0.018021	0.00035505	0.000244985	0.000015
Litchfield	11316711	CT66	22-75-050-011	0.01534835	0.00663	1.225428	0.0241434	0.01665895	0.00102

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Litchfield	11517211	0CT0	22-75-050-012	0.009652825	0.004532433	0.134078	0.0033138	0.003234269	0.001030078
Litchfield	12306111	CT59	22-75-050-011	0.006292785	0.002718284	0.5024225	0.009898735	0.006830127	0.000418198
Litchfield	12470011	N41	22-75-050-011	0.2242063	0.09685	17.90086	0.352683	0.2433513	0.0149
Litchfield	11778911	6Y2	22-75-050-012	0.01378975	0.006474905	0.19154	0.004734	0.004620384	0.00147154
Litchfield	12289011	CT01	22-75-050-011	0.0677133	0.02925	5.4063	0.106515	0.07349535	0.0045
Litchfield	**All**	**All**	**All**	**0.61**	**0.27**	**42.28**	**0.84**	**0.59**	**0.04**
Middlesex	11013911	0CT6	22-75-050-012	0.00345	0.00162	0.04789	0.00118	0.00116	0.00037
Middlesex	11146011	42B	22-75-050-011	0.16816	0.07264	13.42625	0.26452	0.18252	0.01118
Middlesex	11146011	42B	22-75-050-012	0.29817	0.14000	4.14158	0.10236	0.09990	0.03182
Middlesex	11146011	42B	22-75-060-011	0.00028	0.00026	0.04599	0.00099	0.00068	0.00002
Middlesex	11146011	42B	22-75-060-012	0.00590	0.00455	0.02118	0.00354	0.00345	0.00095
Middlesex	12289611	CT11	22-75-050-011	0.01881	0.00813	1.50175	0.02959	0.02042	0.00125

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Middlesex	12291111	CT39	22-75-050-011	0.00451	0.00195	0.36042	0.00710	0.00490	0.00030
Middlesex	12308111	CT92	22-75-050-012	0.00414	0.00194	0.05746	0.00142	0.00139	0.00044
Middlesex	12308611	CT97	22-75-050-012	0.01276	0.00599	0.17717	0.00438	0.00427	0.00136
Middlesex	12308711	CT98	22-75-050-012	0.01034	0.00486	0.14366	0.00355	0.00347	0.00110
Middlesex	9790011	SNC	22-75-050-011	0.27123	0.11716	21.65524	0.42665	0.29439	0.01803
Middlesex	9790011	SNC	22-75-050-012	0.48092	0.22581	6.67996	0.16510	0.16114	0.05132
Middlesex	9790011	SNC	22-75-060-011	0.01943	0.01809	3.22089	0.06908	0.04767	0.00172
Middlesex	9790011	SNC	22-75-060-012	0.41292	0.31829	1.48235	0.24767	0.24172	0.06670
Middlesex	**All**	**All**	**All**	**1.71**	**0.92**	**52.96**	**1.33**	**1.07**	**0.19**
New Haven	11019011	1CT2	22-75-050-012	0.08550	0.04014	1.18755	0.02935	0.02865	0.00912
New Haven	11019111	1CT3	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New Haven	11160811	4C3	22-75-050-011	0.03762	0.01625	3.00350	0.05918	0.04083	0.00250
New Haven	11160811	4C3	22-75-050-012	0.17237	0.08094	2.39425	0.05918	0.05775	0.01839
New Haven	11517311	0CT1	22-75-050-012	0.10653	0.05002	1.47965	0.03657	0.03569	0.01137
New Haven	11847011	5CT1	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
New Haven	11847011	5CT1	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
New Haven	12290711	CT34	22-75-050-012	0.00069	0.00032	0.00958	0.00024	0.00023	0.00007
New Haven	12308411	CT95	22-75-050-012	0.00758	0.00356	0.10535	0.00260	0.00254	0.00081
New Haven	9785011	OXC	22-65-008-005	0.00225	0.00516	0.07538	0.00014	0.00013	0.00032
New Haven	9785011	OXC	22-70-008-005	0.00015	0.00078	0.00030	0.00004	0.00004	0.00000
New Haven	9785011	OXC	22-75-001-000	1.01593	2.08816	2.42742	0.13025	0.12713	0.19720
New Haven	9785011	OXC	22-75-050-011	0.96160	0.41538	76.77547	1.51263	1.04372	0.06391

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New Haven	9785011	OXC	22-75-050-012	1.74954	0.81924	24.00554	0.58605	0.57200	0.18742
New Haven	9785011	OXC	22-75-060-011	0.04130	0.03846	6.84684	0.14685	0.10133	0.00365
New Haven	9785011	OXC	22-75-060-012	0.86607	0.66759	3.10915	0.51947	0.50700	0.13990
New Haven	9785011	OXC	22-75-070-000	0.00088	0.00577	0.00812	0.00115	0.00115	0.00126
New Haven	9785211	MMK	22-75-050-011	0.43473	0.18779	34.70899	0.68384	0.47185	0.02889
New Haven	9785211	MMK	22-75-050-012	0.77082	0.36193	10.70666	0.26462	0.25827	0.08226
New Haven	9785211	MMK	22-75-060-011	0.00166	0.00155	0.27596	0.00592	0.00408	0.00015
New Haven	9785211	MMK	22-75-060-012	0.03540	0.02728	0.12707	0.02123	0.02072	0.00572
New Haven	9785311	HVN	22-65-008-005	0.07526	0.15842	2.80313	0.00731	0.00670	0.01560
New Haven	9785311	HVN	22-70-008-005	0.02401	0.13490	0.04523	0.00831	0.00804	0.00041
New Haven	9785311	HVN	22-75-001-000	0.61934	1.27299	1.47982	0.07940	0.07750	0.12022

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New Haven	9785311	HVN	22-75-020-000	0.02009	0.07502	0.12293	0.00337	0.00329	0.00884
New Haven	9785311	HVN	22-75-050-011	0.52576	0.22711	41.97692	0.82703	0.57065	0.03494
New Haven	9785311	HVN	22-75-050-012	1.02743	0.47869	13.24456	0.32126	0.31358	0.11030
New Haven	9785311	HVN	22-75-060-011	0.07415	0.06905	12.29281	0.26366	0.18192	0.00656
New Haven	9785311	HVN	22-75-060-012	0.78483	2.19935	12.28022	0.38096	0.37348	0.52049
New Haven	9785311	HVN	22-75-070-000	0.03629	0.24511	0.34662	0.04748	0.04748	0.05260
New Haven	**All**	**All**	**All**	**9.50**	**9.68**	**252.26**	**6.01**	**4.86**	**1.63**
New London	9810511	GON	22-65-008-005	0.00044	0.00100	0.01466	0.00003	0.00003	0.00006
New London	9810511	GON	22-70-008-005	0.00002	0.00011	0.00004	0.00001	0.00001	0.00000
New London	9810511	GON	22-75-001-000	2.74355	5.63914	6.55534	0.35175	0.34331	0.53254
New London	9810511	GON	22-75-050-011	1.00314	0.43332	80.09133	1.57796	1.08879	0.06667

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New London	9810511	GON	22-75-050-012	1.84426	0.84207	24.80319	0.61111	0.59646	0.19172
New London	9810511	GON	22-75-060-011	0.01551	0.01444	2.57108	0.05514	0.03805	0.00137
New London	9810511	GON	22-75-060-012	0.32792	0.25277	1.17722	0.19669	0.19197	0.05297
New London	9810511	GON	22-75-070-000	0.00018	0.00118	0.00167	0.00024	0.00024	0.00026
New London	11003211	14CT	22-75-050-012	0.01724	0.00809	0.23943	0.00592	0.00578	0.00184
New London	12308211	CT93	22-75-050-012	0.17341	0.08142	2.40862	0.05953	0.05810	0.01850
New London	16081511	69CT	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
New London	16081511	69CT	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
New London	11314911	CT07	22-75-050-011	0.00045	0.00020	0.03604	0.00071	0.00049	0.00003
New London	11315911	CT32	22-75-050-011	0.00158	0.00068	0.12615	0.00249	0.00171	0.00011
New London	11847311	5CT7	22-75-050-011	0.00451	0.00195	0.36042	0.00710	0.00490	0.00030

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New London	11962811	24CT	22-75-050-011	0.00008	0.00003	0.00601	0.00012	0.00008	0.00001
New London	12289711	CT16	22-75-050-011	0.00023	0.00010	0.01802	0.00036	0.00024	0.00002
New London	12304811	CT43	22-75-050-011	0.00263	0.00114	0.21025	0.00414	0.00286	0.00018
New London	12307011	CT80	22-75-050-011	0.00015	0.00007	0.01201	0.00024	0.00016	0.00001
New London	**All**	**All**	**All**	**6.15**	**7.28**	**118.89**	**2.88**	**2.34**	**0.87**
Tolland	11315011	CT09	22-75-050-011	0.00933	0.00403	0.74487	0.01468	0.01013	0.00062
Tolland	11315411	CT15	22-75-050-011	0.00083	0.00036	0.06608	0.00130	0.00090	0.00006
Tolland	11649811	7B9	22-75-050-011	0.73503	0.31751	58.68569	1.15623	0.79780	0.04885
Tolland	11649811	7B9	22-75-050-012	1.30329	0.61195	18.10269	0.44742	0.43668	0.13908
Tolland	11649811	7B9	22-75-060-011	0.00018	0.00017	0.03066	0.00066	0.00045	0.00002
Tolland	11649811	7B9	22-75-060-012	0.00393	0.00303	0.01412	0.00236	0.00230	0.00064
Tolland	12290511	CT29	22-75-050-011	0.00226	0.00098	0.18021	0.00355	0.00245	0.00015
Tolland	**All**	**All**	**All**	**2.05**	**0.94**	**77.82**	**1.63**	**1.25**	**0.19**
Windham	11305211	C44	22-75-050-012	0.00172	0.00081	0.02394	0.00059	0.00058	0.00018

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Windham	11517411	0CT2	22-75-050-012	0.02137	0.01004	0.29689	0.00734	0.00716	0.00228
Windham	11580211	64CT	22-75-050-011	0.05643	0.02438	4.50525	0.08876	0.06125	0.00375
Windham	11847211	5CT6	22-75-050-011	0.00903	0.00390	0.72084	0.01420	0.00980	0.00060
Windham	12289511	CT10	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Windham	12289511	CT10	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Windham	12306711	CT74	22-75-050-011	0.00023	0.00010	0.01802	0.00036	0.00024	0.00002
Windham	16101611	31CT	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Windham	16101611	31CT	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Windham	9808111	IJD	22-75-050-011	0.40142	0.17340	32.04975	0.63144	0.43570	0.02668
Windham	9808111	IJD	22-75-050-012	0.71176	0.33420	9.88634	0.24435	0.23848	0.07595
Windham	9808111	IJD	22-75-060-011	0.00462	0.00431	0.76654	0.01644	0.01134	0.00041

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Windham	9808111	IJD	22-75-060-012	0.09833	0.07579	0.35298	0.05898	0.05756	0.01588
Windham	9808211	LZD	22-75-050-011	0.63739	0.27533	50.88980	1.00263	0.69182	0.04236
Windham	9808211	LZD	22-75-050-012	1.13016	0.53066	15.69790	0.38798	0.37867	0.12060
Windham	9808211	LZD	22-75-060-011	0.00067	0.00062	0.11038	0.00237	0.00163	0.00006
Windham	9808211	LZD	22-75-060-012	0.01366	0.01053	0.04902	0.00819	0.00799	0.00221
Windham	**All**	**All**	**All**	**3.11**	**1.46**	**115.90**	**2.48**	**1.91**	**0.29**
State Total	**All**	**All**	**All**	151.82	332.57	1,993.56	36.07	30.06	47.76

Table G-20: Aircraft Summer Season Allocation Factors

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Fairfield	11014011	0CT7	BRIDGEPORT HOSPITAL	22-75-050-012	General Aviation Turbine	0.16	Survey
Fairfield	11517611	0CT8	DANBURY HOSPITAL	22-75-050-012	General Aviation Turbine	0.06	Survey
Fairfield	11193811	5CT8	CANAL STREET	22-75-050-012	General Aviation Turbine	0.53	Survey
Fairfield	11315111	CT12	MEDICAL CENTER	22-75-050-012	General Aviation Turbine	0.26	Survey
Fairfield	11316111	CT41	GENERAL ELECTRIC	22-75-050-012	General Aviation Turbine	0.21	Survey
Fairfield	11847111	5CT4	NORWALK HOSPITAL	22-75-050-012	General Aviation Turbine	0.18	Survey
Fairfield	12291011	CT37	SIKORSKY BRIDGEPORT	22-75-050-012	General Aviation Turbine	0.31	Survey
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	General Aviation Piston	0.50	Survey
Fairfield	12308011	CT91	USSC	22-75-050-012	General Aviation Turbine	1.00	Survey
Fairfield	12395011	JSD	SIKORSKY	22-75-050-012	General Aviation Turbine	0.26	Survey
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-011	General Aviation Piston	0.38	Survey
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-012	General Aviation Turbine	0.38	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Fairfield	9795711	DXR	Danbury Municipal	22-65-008-005	Airport Ground Support Equipment	0.376	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-70-008-005	Airport Ground Support Equipment	0.376	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-001-000	Military Aircraft Total	0.447	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-020-000	Commercial Aircraft Total: All Types	0.000	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-050-011	General Aviation Piston	0.330	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-050-012	General Aviation Turbine	0.330	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-060-011	Air Taxi Piston	0.377	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-060-012	Air Taxi Turbine	0.377	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-070-000	Aircraft Auxiliary Power Units Total	0.376	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-65-008-005	Airport Ground Support Equipment	0.321	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-70-008-005	Airport Ground Support Equipment	0.321	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-001-000	Military Aircraft Total	0.264	ATADS

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	General Aviation Piston	0.331	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-012	General Aviation Turbine	0.331	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	Air Taxi Piston	0.321	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-012	Air Taxi Turbine	0.321	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-070-000	Aircraft Auxiliary Power Units Total	0.321	ATADS
Hartford	11013811	0CT3	N B G H	22-75-050-012	General Aviation Turbine	0.00	Survey
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	General Aviation Piston	0.65	Survey
Hartford	11315311	CT14	BANCROFT	22-75-050-011	General Aviation Piston	0.50	Survey
Hartford	11315611	CT19	LAURIE FIELD	22-75-050-011	General Aviation Piston	0.55	Survey
Hartford	11517511	0CT5	ST FRANCIS HOSPITAL	22-75-050-012	General Aviation Turbine	0.19	Survey
Hartford	11517711	0CT9	HARTFORD HOSPITAL	22-75-050-012	General Aviation Turbine	0.29	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	General Aviation Piston	0.50	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-012	General Aviation Turbine	0.5	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-011	Air Taxi Piston	0.5	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-012	Air Taxi Turbine	0.5	Survey
Hartford	11949311	23CT	BLANCHETTE	22-75-050-011	General Aviation Piston	0.75	Survey
Hartford	11949311	23CT	BLANCHETTE	22-75-050-012	General Aviation Turbine	0.75	Survey
Hartford	12289111	CT02	CLARK HILL	22-75-050-012	General Aviation Turbine	1	Survey
Hartford	12289211	CT03	BRISTOL HOSPITAL	22-75-050-012	General Aviation Turbine	0.42	Survey
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-050-012	General Aviation Turbine	0.23	Survey
Hartford	12306211	CT60	ULTIMATE	0	General Aviation Piston	0.50	Survey
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-011	General Aviation Piston	0.38	Survey
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-012	General Aviation Turbine	0.38	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-050-012	General Aviation Turbine	0.20	Survey
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-011	General Aviation Piston	0.18	Survey
Hartford	12306811	CT75	HURLBRINK	22-75-050-012	General Aviation Turbine	0.11	Survey
Hartford	12307411	CT85	ROBERTS FARM	22-75-050-011	General Aviation Piston	0.60	Survey
Hartford	12307711	CT88	RENTSCHLER	22-75-050-012	General Aviation Turbine	0.27	Survey
Hartford	12308511	CT96	GREEN ACRES	22-75-050-011	General Aviation Piston	0.23	Survey
Hartford	9792311	HFD	Hartford-Brainard	22-75-001-000	Military Aircraft Total	0.251	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	General Aviation Piston	0.336	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-012	General Aviation Turbine	0.336	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	Air Taxi Piston	0.347	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-012	Air Taxi Turbine	0.347	ATADS

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	9792411	BDL	Bradley Intl	22-65-008-005	Airport Ground Support Equipment	0.262	ATADS
Hartford	9792411	BDL	Bradley Intl	22-70-008-005	Airport Ground Support Equipment	0.262	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-001-000	Military Aircraft Total	0.268	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-020-000	Commercial Aircraft Total: All Types	0.261	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-050-011	General Aviation Piston	0.260	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-050-012	General Aviation Turbine	0.260	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-060-011	Air Taxi Piston	0.264	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-060-012	Air Taxi Turbine	0.264	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-070-000	Aircraft Auxiliary Power Units Total	0.262	ATADS
Hartford	9792511	4B9	Simsbury	22-75-050-011	General Aviation Piston	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-75-050-012	General Aviation Turbine	0.37	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	9792511	4B9	Simsbury	22-75-060-011	Air Taxi Piston	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-75-060-012	Air Taxi Turbine	0.37	Survey
Hartford	9792611	4B8	Robertson Field	22-65-008-005	Airport Ground Support Equipment	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-70-008-005	Airport Ground Support Equipment	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-75-050-011	General Aviation Piston	0.31	Survey
Hartford	9792611	4B8	Robertson Field	22-75-050-012	General Aviation Turbine	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-75-060-011	Air Taxi Piston	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-75-060-012	Air Taxi Turbine	0.25	Survey
Hartford	9792611	4B8	Robertson Field	2275070000	Aircraft Auxiliary Power Units Total	0.25	Survey
Litchfield	10946911	04CT	SHINGLE MILL	22-75-050-012	General Aviation Turbine	0.3	Survey
Litchfield	10958911	08CT	SEAVAIRS LANDING	22-75-050-011	General Aviation Piston	0.53	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Litchfield	11517211	0CT0	SHARON HOSPITAL	22-75-050-012	General Aviation Turbine	0.29	Survey
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	General Aviation Piston	0.71	Survey
Litchfield	11116611	33CT	IRISH HILLS FARMS	22-75-050-011	General Aviation Piston	0.38	Survey
Litchfield	11193711	5CT5	THOMSON FIELD	22-75-050-011	General Aviation Piston	0.38	Survey
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-050-012	General Aviation Turbine	0.65	Survey
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	General Aviation Piston	0.50	Survey
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-012	General Aviation Turbine	0.5	Survey
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	General Aviation Piston	1.00	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-060-011	Air Taxi Piston	0.4	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-060-012	Air Taxi Turbine	0.4	Survey
Middlesex	12289611	CT11	DEVILS HOPYARD FIELD	22-75-050-011	General Aviation Piston	0.70	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	General Aviation Piston	0.50	Survey
Middlesex	12308111	CT92	BEMER	22-75-050-012	General Aviation Turbine	1.00	Survey
Middlesex	12308611	CT97	SHORELINE CLINIC	22-75-050-012	General Aviation Turbine	0.24	Survey
Middlesex	12308711	CT98	Nonfacility Operations Middlesex County	22-75-050-012	General Aviation Turbine	0.40	Survey
Middlesex	9790011	SNC	Chester	22-75-050-011	General Aviation Piston	0.41	Survey
Middlesex	9790011	SNC	Chester	22-75-050-012	General Aviation Turbine	0.3	Survey
Middlesex	9790011	SNC	Chester	22-75-060-011	Air Taxi Piston	0.41	Extend Survey
Middlesex	9790011	SNC	Chester	22-75-060-012	Air Taxi Turbine	0.3	Extend Survey
New Haven	11019011	1CT2	YALE NEW HAVEN HOSPITAL heliport	22-75-050-012	General Aviation Turbine	0.24	Survey
New Haven	11019111	1CT3	ST MARYS	22-75-050-012	General Aviation Turbine	0.47	Survey
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	General Aviation Piston	0.28	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-012	General Aviation Turbine	0.28	Survey
New Haven	11517311	0CT1	BRISTOL-MYERS SQUIBB COMPANY	22-75-050-012	General Aviation Turbine	0.39	Survey
New Haven	11847011	5CT1	RONDO	22-75-050-011	General Aviation Piston	0.38	Survey
New Haven	11847011	5CT1	RONDO	22-75-050-012	General Aviation Turbine	0.38	Survey
New Haven	12290711	CT34	USSC/NORTH HAVEN	22-75-050-012	General Aviation Turbine	1.00	Survey
New Haven	12308411	CT95	MERIDEN-WALLINGFORD HOSPITAL	22-75-050-012	General Aviation Turbine	0.36	Survey
New Haven	9785011	OXC	Waterbury-Oxford	22-65-008-005	Airport Ground Support Equipment	0.310	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-70-008-005	Airport Ground Support Equipment	0.310	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-001-000	Military Aircraft Total	0.236	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	General Aviation Piston	0.304	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-012	General Aviation Turbine	0.304	ATADS

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-011	General Aviation Piston	0.313	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-012	General Aviation Turbine	0.313	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-011	Air Taxi Piston	0.343	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-012	Air Taxi Turbine	0.343	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-070-000	Aircraft Auxiliary Power Units Total	0.343	ATADS
New London	11003211	14CT	MPTN HELIPORT	22-75-050-012	General Aviation Turbine	0.27	Survey
New London	11314911	CT07	SKIS LANDING AREA	22-75-050-011	General Aviation Piston	0.50	Survey
New London	11315911	CT32	GALLUP FARM	22-75-050-011	General Aviation Piston	0.95	Survey
New London	11847311	5CT7	MILE CREEK	22-75-050-011	General Aviation Piston	0.50	Survey
New London	11962811	24CT	BEE FIELD	22-75-050-011	General Aviation Piston	0.38	Survey
New London	12289711	CT16	FETSKE	22-75-050-011	General Aviation Piston	1.00	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New London	12304811	CT43	SPRUCE	22-75-050-011	General Aviation Piston	0.83	Survey
New London	12308211	CT93	BACKUS HOSPITAL	22-75-050-012	General Aviation Turbine	0.27	Survey
New London	16081511	69CT	THE SHORE	22-75-050-011	General Aviation Piston	0.38	Survey
New London	16081511	69CT	THE SHORE	22-75-050-012	General Aviation Turbine	0.38	Survey
New London	9810511	GON	Groton-New London	22-65-008-005	Airport Ground Support Equipment	0.488	ATADS
New London	9810511	GON	Groton-New London	22-70-008-005	Airport Ground Support Equipment	0.488	ATADS
New London	9810511	GON	Groton-New London	22-75-001-000	Military Aircraft Total	0.269	ATADS
New London	9810511	GON	Groton-New London	22-75-050-011	General Aviation Piston	0.359	ATADS
New London	9810511	GON	Groton-New London	22-75-050-012	General Aviation Turbine	0.359	ATADS
New London	9810511	GON	Groton-New London	22-75-060-011	Air Taxi Piston	0.488	ATADS
New London	9810511	GON	Groton-New London	22-75-060-012	Air Taxi Turbine	0.488	ATADS

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
New London	9810511	GON	Groton-New London	22-75-070-000	Aircraft Auxiliary Power Units Total	0.488	ATADS
New London	12307011	CT80	STONINGTON AIRPARK	22-75-050-011	General Aviation Piston	0.38	Survey
Tolland	11315011	CT09	HECKLER FIELD	22-75-050-011	General Aviation Piston	0.40	Survey
Tolland	11315411	CT15	WYSOCKI FIELD	22-75-050-011	General Aviation Piston	0.00	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	General Aviation Piston	0.31	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-050-012	General Aviation Turbine	0.3	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-060-011	Air Taxi Piston	0.3	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-060-012	Air Taxi Turbine	0.80	Survey
Tolland	12290511	CT29	VALLEY FARMS	2275050011		0.50	Survey
Windham	11305211	C44	TOUTANT	22-75-050-012	General Aviation Turbine	0.4	Survey
Windham	11517411	0CT2	WINDHAM HOSPITAL	22-75-050-012	General Aviation Turbine	0.26	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Windham	11580211	64CT	WOODSTOCK	22-75-050-011	General Aviation Piston	0.40	Survey
Windham	11847211	5CT6	BUELL FARM	22-75-050-011	General Aviation Piston	0.67	Survey
Windham	16101611	31CT	QUIET CORNER	22-75-050-011	General Aviation Piston	0.38	Survey
Windham	16101611	31CT	QUIET CORNER	22-75-050-012	General Aviation Turbine	0.38	Survey
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-011	General Aviation Piston	0.38	Survey
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-012	General Aviation Turbine	0.38	Survey
Windham	12306711	CT74	WESTFORD AIRSTRIP	22-75-050-011	General Aviation Piston	1.00	Survey
Windham	9808111	IJD	Windham	22-75-050-011	General Aviation Piston	0.40	Survey
Windham	9808111	IJD	Windham	22-75-050-012	General Aviation Turbine	0.25	Survey
Windham	9808111	IJD	Windham	22-75-060-011	Air Taxi Piston	0.25	Survey
Windham	9808111	IJD	Windham	22-75-060-012	Air Taxi Turbine	0.25	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Windham	9808211	LZD	Danielson	22-75-050-011	General Aviation Piston	0.7	Survey
Windham	9808211	LZD	Danielson	22-75-050-012	General Aviation Turbine	0.7	Survey
Windham	9808211	LZD	Danielson	22-75-060-011	Air Taxi Piston	0.7	Survey
Windham	9808211	LZD	Danielson	22-75-060-012	Air Taxi Turbine	0.7	Survey

Table G-21: Summer Day Emissions of Aircraft

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Fairfield	11014011	0CT7	BRIDGEPORT HOSPITAL	22-75-050-012	0.038	0.018	0.533
Fairfield	11193811	5CT8	CANAL STREET	22-75-050-012	0.135	0.063	1.876
Fairfield	11315111	CT12	MEDICAL CENTER	22-75-050-012	0.023	0.011	0.325
Fairfield	11316111	CT41	GENERAL ELECTRIC	22-75-050-012	0.822	0.386	11.411
Fairfield	11517611	0CT8	DANBURY HOSPITAL	22-75-050-012	0.014	0.007	0.194
Fairfield	11847111	5CT4	NORWALK HOSPITAL	22-75-050-012	0.045	0.021	0.618
Fairfield	12291011	CT37	SIKORSKY BRIDGEPORT	22-75-050-012	0.077	0.036	1.065
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	0.010	0.004	0.784
Fairfield	12308011	CT91	USSC	22-75-050-012	0.007	0.004	0.104
Fairfield	12395011	JSD	SIKORSKY	22-75-050-012	5.637	2.647	78.300
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-011	0.011	0.005	0.893

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-012	0.094	0.044	1.305
Fairfield	9795711	DXR	Danbury Muni	22-65-008-005	0.011	0.025	0.359
Fairfield	9795711	DXR	Danbury Muni	22-70-008-005	0.001	0.003	0.001
Fairfield	9795711	DXR	Danbury Muni	22-75-001-000	1.689	3.472	4.036
Fairfield	9795711	DXR	Danbury Muni	22-75-020-000	0.000	0.000	0.000
Fairfield	9795711	DXR	Danbury Muni	22-75-050-011	8.958	3.870	715.226
Fairfield	9795711	DXR	Danbury Muni	22-75-050-012	16.570	7.539	222.479
Fairfield	9795711	DXR	Danbury Muni	22-75-060-011	0.181	0.169	30.086
Fairfield	9795711	DXR	Danbury Muni	22-75-060-012	3.866	2.980	13.880
Fairfield	9795711	DXR	Danbury Muni	22-75-070-000	0.004	0.025	0.036
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-65-008-005	0.006	0.013	0.190

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-70-008-005	0.000	0.002	0.001
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-001-000	1.341	2.756	3.203
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	8.535	3.687	681.474
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-012	15.412	7.138	211.017
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	0.187	0.174	31.015
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-012	4.026	3.103	14.452
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-070-000	0.002	0.013	0.019
Fairfield	**All**	**All**	**All**	**All**	**67.70**	**38.22**	**2,024.88**
Hartford	11013811	0CT3	N B G H	22-75-050-012	0.000	0.000	0.000
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	0.574	0.248	45.836
Hartford	11315311	CT14	BANCROFT	22-75-050-011	0.041	0.018	3.265
Hartford	11315611	CT19	LAURIE FIELD	22-75-050-011	0.018	0.008	1.436

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	11517511	0CT5	ST FRANCIS HOSPITAL	22-75-050-012	0.122	0.057	1.701
Hartford	11517711	0CT9	HARTFORD HOSPITAL	22-75-050-012	3.577	1.680	49.690
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	8.873	3.833	708.434
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-012	15.738	7.390	218.606
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-011	0.023	0.021	3.822
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-012	0.410	0.316	1.472
Hartford	11949311	23CT	BLANCHETTE	22-75-050-011	0.022	0.010	1.763
Hartford	11949311	23CT	BLANCHETTE	22-75-050-012	0.185	0.087	2.576
Hartford	12289111	CT02	CLARK HILL	22-75-050-012	0.337	0.158	4.684
Hartford	12289211	CT03	BRISTOL HOSPITAL	22-75-050-012	0.104	0.049	1.443
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-050-012	0.676	0.317	9.385

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	12306211	CT60	ULTIMATE	22-75-050-011	0.002	0.001	0.131
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-011	0.011	0.005	0.893
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-012	0.094	0.044	1.305
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-050-012	0.348	0.163	4.830
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-011	0.015	0.006	1.175
Hartford	12306811	CT75	HURLBRINK	22-75-050-012	0.027	0.013	0.378
Hartford	12307411	CT85	ROBERTS FARM	22-75-050-011	0.049	0.021	3.918
Hartford	12307711	CT88	RENTSCHLER	22-75-050-012	0.227	0.106	3.148
Hartford	12308511	CT96	GREEN ACRES	22-75-050-011	0.059	0.025	4.685
Hartford	9792311	HFD	Hartford-Brainard	22-75-001-000	1.186	2.437	2.833
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	8.018	3.464	640.191

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-012	14.217	6.676	197.479
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	0.034	0.032	5.676
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-012	0.730	0.563	2.621
Hartford	9792411	BDL	Bradley Intl	22-65-008-005	16.038	33.283	594.550
Hartford	9792411	BDL	Bradley Intl	22-70-008-005	5.525	35.271	12.581
Hartford	9792411	BDL	Bradley Intl	22-75-001-000	42.176	86.689	100.774
Hartford	9792411	BDL	Bradley Intl	22-75-020-000	393.570	1431.327	2831.756
Hartford	9792411	BDL	Bradley Intl	22-75-050-011	0.021	0.009	1.698
Hartford	9792411	BDL	Bradley Intl	22-75-050-012	119.461	6.391	248.191
Hartford	9792411	BDL	Bradley Intl	22-75-060-011	0.024	0.023	4.036
Hartford	9792411	BDL	Bradley Intl	22-75-060-012	41.158	53.945	290.348

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	9792411	BDL	Bradley Intl	22-75-070-000	5.969	69.645	80.110
Hartford	9792511	4B9	Simsbury	22-75-050-011	2.771	1.197	221.213
Hartford	9792511	4B9	Simsbury	22-75-050-012	4.913	2.307	68.237
Hartford	9792511	4B9	Simsbury	22-75-060-011	0.006	0.005	0.925
Hartford	9792511	4B9	Simsbury	22-75-060-012	0.119	0.091	0.426
Hartford	9792611	4B8	Robertson Field	22-65-008-005	0.001	0.002	0.023
Hartford	9792611	4B8	Robertson Field	22-70-008-005	0.000	0.000	0.000
Hartford	9792611	4B8	Robertson Field	22-75-050-011	3.738	1.615	298.442
Hartford	9792611	4B8	Robertson Field	22-75-050-012	5.354	2.512	74.319
Hartford	9792611	4B8	Robertson Field	22-75-060-011	0.030	0.028	4.999
Hartford	9792611	4B8	Robertson Field	22-75-060-012	0.641	0.494	2.302

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	9792611	4B8	Robertson Field	22-75-070-000	0.000	0.002	0.002
Hartford	**All**	**All**	**All**	**All**	**697.23**	**1,752.58**	**6,758.31**
Litchfield	10946911	04CT	SHINGLE MILL	22-75-050-012	0.045	0.021	0.625
Litchfield	10958911	08CT	SEAVAIRS LANDING	22-75-050-011	0.001	0.000	0.069
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	1.202	0.519	95.962
Litchfield	11116611	33CT	IRISH HILLS FARMS	22-75-050-011	0.001	0.000	0.050
Litchfield	11193711	5CT5	THOMSON FIELD	22-75-050-011	0.001	0.000	0.050
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	1.312	0.567	104.731
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-012	0.734	0.345	10.202
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	0.005	0.002	0.392
Litchfield	11316711	CT66	LONG VIEW LANDING	22-75-050-011	0.087	0.037	6.926
Litchfield	11517211	0CT0	SHARON HOSPITAL	22-75-050-012	0.061	0.029	0.845
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-050-012	0.195	0.091	2.707

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_x	CO
Litchfield	12289011	CT01	WHELAN FARMS	22-75-050-011	0.559	0.242	44.661
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-050-011	0.064	0.028	5.133
Litchfield	12470011	N41	WATERBURY	22-75-050-011	2.096	0.905	167.334
Litchfield	**All**	**All**	**All**	**All**	**6.36**	**2.79**	**439.69**
Middlesex	11013911	0CT6	MIDDLETOWN	22-75-050-012	0.052	0.025	0.729
Middlesex	11146011	42B	GOODSPEED	22-75-050-011	1.462	0.632	116.750
Middlesex	11146011	42B	GOODSPEED	22-75-050-012	2.593	1.217	36.014
Middlesex	11146011	42B	GOODSPEED	22-75-060-011	0.002	0.002	0.400
Middlesex	11146011	42B	GOODSPEED	22-75-060-012	0.051	0.040	0.184
Middlesex	12289611	CT11	DEVILS HOPYARD FIELD	22-75-050-011	0.286	0.124	22.853
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	0.049	0.021	3.918
Middlesex	12308111	CT92	BEMER	22-75-050-012	0.090	0.042	1.249

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_x	CO
Middlesex	12308611	CT97	SHORELINE CLINIC	22-75-050-012	0.067	0.031	0.924
Middlesex	12308711	CT98	Nonfacility Operations Middlesex County	22-75-050-012	0.090	0.042	1.249
Middlesex	9790011	SNC	Chester	22-75-050-011	2.417	1.044	193.014
Middlesex	9790011	SNC	Chester	22-75-050-012	3.136	1.473	43.565
Middlesex	9790011	SNC	Chester	22-75-060-011	0.173	0.161	28.708
Middlesex	9790011	SNC	Chester	22-75-060-012	2.693	2.076	9.668
Middlesex	**All**	**All**	**All**	**All**	**13.16**	**6.93**	**459.22**
New Haven	11019011	1CT2	YALE NEW HAVEN HOSPITAL heliport	22-75-050-012	0.446	0.209	6.196
New Haven	11019111	1CT3	ST MARYS	22-75-050-012	0.116	0.055	1.615
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	0.229	0.099	18.282
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-012	1.049	0.493	14.574
New Haven	11517311	0CT1	BRISTOL-MYERS SQUIBB COMPANY	22-75-050-012	0.903	0.424	12.545

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New Haven	11847011	5CT1	RONDO	22-75-050-011	0.011	0.005	0.893
New Haven	11847011	5CT1	RONDO	22-75-050-012	0.094	0.044	1.305
New Haven	12290711	CT34	USSC/NORTH HAVEN	22-75-050-012	0.015	0.007	0.208
New Haven	12308411	CT95	MERIDEN-WALLINGFORD HOSPITAL	22-75-050-012	0.059	0.028	0.824
New Haven	9785011	OXC	Waterbury-Oxford	22-65-008-005	0.015	0.035	0.508
New Haven	9785011	OXC	Waterbury-Oxford	22-70-008-005	0.001	0.005	0.002
New Haven	9785011	OXC	Waterbury-Oxford	22-75-001-000	5.212	10.713	12.454
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	6.355	2.745	507.386
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-012	11.562	5.414	158.645
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-011	0.278	0.259	46.142
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-012	5.837	4.499	20.953

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New Haven	9785011	OXC	Waterbury-Oxford	22-75-070-000	0.006	0.039	0.055
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-011	2.457	1.061	196.181
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-012	4.357	2.046	60.516
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-011	0.009	0.009	1.560
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-012	0.200	0.154	0.718
New Haven	9785311	HVN	Tweed-New Haven	22-65-008-005	0.561	1.181	20.902
New Haven	9785311	HVN	Tweed-New Haven	22-70-008-005	0.179	1.006	0.337
New Haven	9785311	HVN	Tweed-New Haven	22-75-001-000	2.747	5.645	6.563
New Haven	9785311	HVN	Tweed-New Haven	22-75-020-000	0.000	0.000	0.000
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-011	3.577	1.545	285.626
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-012	6.991	3.257	90.121

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-011	0.553	0.515	91.662
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-012	5.852	16.399	91.568
New Haven	9785311	HVN	Tweed-New Haven	22-75-070-000	0.271	1.828	2.585
New Haven	**All**	**All**	**All**	**All**	**59.94**	**59.72**	**1,650.92**
New London	11003211	14CT	MPTN HELIPORT	22-75-050-012	0.101	0.048	1.405
New London	11314911	CT07	SKIS LANDING AREA	22-75-050-011	0.005	0.002	0.392
New London	11315911	CT32	GALLUP FARM	22-75-050-011	0.033	0.014	2.605
New London	11847311	5CT7	MILE CREEK	22-75-050-011	0.049	0.021	3.918
New London	11962811	24CT	BEE FIELD	22-75-050-011	0.001	0.000	0.050
New London	12289711	CT16	FETSKE	22-75-050-011	0.005	0.002	0.392
New London	12304811	CT43	SPRUCE	22-75-050-011	0.048	0.021	3.794
New London	12307011	CT80	STONINGTON AIRPARK	22-75-050-011	0.001	0.001	0.099

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New London	12308211	CT93	BACKUS HOSPITAL	22-75-050-012	1.018	0.478	14.138
New London	16081511	69CT	THE SHORE	22-75-050-011	0.011	0.005	0.893
New London	16081511	69CT	THE SHORE	22-75-050-012	0.094	0.044	1.305
New London	9810511	GON	Groton-New London	22-65-008-005	0.005	0.011	0.155
New London	9810511	GON	Groton-New London	22-70-008-005	0.000	0.001	0.000
New London	9810511	GON	Groton-New London	22-75-001-000	16.044	32.977	38.334
New London	9810511	GON	Groton-New London	22-75-050-011	7.829	3.382	625.061
New London	9810511	GON	Groton-New London	22-75-050-012	14.393	6.572	193.573
New London	9810511	GON	Groton-New London	22-75-060-011	0.165	0.153	27.276
New London	9810511	GON	Groton-New London	22-75-060-012	3.479	2.682	12.489
New London	9810511	GON	Groton-New London	22-75-070-000	0.002	0.013	0.018
New London	**All**	**All**	**All**	**All**	**43.28**	**46.42**	**925.90**

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Tolland	11315011	CT09	HECKLER FIELD	22-75-050-011	0.081	0.035	6.477
Tolland	11315411	CT15	WYSOCKI FIELD	22-75-050-011	0.000	0.000	0.000
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	4.953	2.140	395.491
Tolland	11649811	7B9	ELLINGTON	22-75-050-012	8.500	3.991	118.061
Tolland	11649811	7B9	ELLINGTON	22-75-060-011	0.001	0.001	0.200
Tolland	11649811	7B9	ELLINGTON	22-75-060-012	0.068	0.053	0.246
Tolland	12290511	CT29	VALLEY FARMS	22-75-050-011	0.025	0.011	1.959
Tolland	**All**	**All**	**All**	**All**	**13.63**	**6.23**	**522.43**
Windham	11305211	C44	TOUTANT	22-75-050-012	0.015	0.007	0.208
Windham	11517411	0CT2	WINDHAM HOSPITAL	22-75-050-012	0.121	0.057	1.678
Windham	11580211	64CT	WOODSTOCK	22-75-050-011	0.491	0.212	39.176
Windham	11847211	5CT6	BUELL FARM	22-75-050-011	0.132	0.057	10.499

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-011	0.011	0.005	0.893
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-012	0.094	0.044	1.305
Windham	12306711	CT74	WESTFORD AIRSTRIP	22-75-050-011	0.005	0.002	0.392
Windham	16101611	31CT	QUIET CORNER	22-75-050-011	0.011	0.005	0.893
Windham	16101611	31CT	QUIET CORNER	22-75-050-012	0.094	0.044	1.305
Windham	9808111	IJD	Windham	22-75-050-011	3.491	1.508	278.693
Windham	9808111	IJD	Windham	22-75-050-012	3.868	1.816	53.730
Windham	9808111	IJD	Windham	22-75-060-011	0.025	0.023	4.166
Windham	9808111	IJD	Windham	22-75-060-012	0.534	0.412	1.918
Windham	9808211	LZD	Danielson	22-75-050-011	9.699	4.190	774.410
Windham	9808211	LZD	Danielson	22-75-050-012	17.198	8.075	238.881

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Windham	9808211	LZD	Danielson	22-75-060-011	0.010	0.009	1.680
Windham	9808211	LZD	Danielson	22-75-060-012	0.208	0.160	0.746
Windham	**All**	**All**	**All**	**All**	**36.01**	**16.63**	**1,410.58**
State Total	**All**	**All**	**All**	**All**	**937.32**	**1,929.52**	**14,191.93**

Table G-22: Annual 2017 Emissions of Commercial Marine Vessels (CMV)

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.20	1.59	0.07	0.06	0.06	0.00	0.00	0.0000
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.88	30.31	4.76	0.77	0.74	0.03	0.01	0.0001
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.01	0.06	0.01	0.00	0.00	0.00	0.00	0.0000
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.02	0.37	0.05	0.02	0.02	0.05	0.00	0.0000
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	7.54	192.69	28.25	5.10	4.94	0.11	0.10	0.0006
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	3.37	116.40	18.26	2.95	2.86	0.15	0.06	0.0004
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.06	1.24	0.13	0.02	0.01	0.03	0.00	0.0000
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.02	0.34	0.04	0.01	0.01	0.03	0.00	0.0000
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Fairfield County Total		**12.10**	**342.99**	**51.56**	**8.92**	**8.65**	**0.40**	**0.17**	**0.0011**
Hartford County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Hartford County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Litchfield County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
Litchfield County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Middlesex County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	1.18	19.09	2.24	0.57	0.55	0.01	0.01	0.0001
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	1.84	62.93	9.85	1.62	1.57	0.16	0.03	0.0002
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.04	0.38	0.05	0.01	0.01	0.01	0.00	0.0000

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.02	0.57	0.06	0.01	0.01	0.02	0.00	0.0000
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Middlesex County Total		**3.08**	**82.97**	**12.20**	**2.20**	**2.14**	**0.21**	**0.04**	**0.0003**
New Haven County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.25	2.00	0.08	0.08	0.08	0.00	0.00	0.0000
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.66	22.55	3.56	0.57	0.55	0.02	0.01	0.0001
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.98	5.28	0.99	0.10	0.09	0.09	0.00	0.0000
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	1.63	35.62	4.19	0.87	0.80	2.09	0.02	0.0001
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	3.30	67.16	9.06	1.87	1.81	0.04	0.03	0.0002
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	4.13	142.56	22.33	3.65	3.54	0.33	0.07	0.0004
22-80-002-203	C3 Diesel Underway emissions: Main Engine	3.71	30.68	4.56	0.48	0.44	0.62	0.01	0.0001
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	1.06	23.31	2.73	0.56	0.51	1.33	0.01	0.0001
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
New Haven County Total		**15.72**	**329.16**	**47.51**	**8.17**	**7.82**	**4.51**	**0.15**	**0.0010**
New London County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.0000
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.48	16.82	2.64	0.42	0.41	0.01	0.01	0.0001
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	20.64	421.49	56.04	11.83	11.48	0.22	0.22	0.0014
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	15.64	540.39	84.66	13.84	13.41	1.18	0.26	0.0017
22-80-002-203	C3 Diesel Underway emissions: Main Engine	1.53	11.44	1.75	0.19	0.18	0.23	0.00	0.0000
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.47	10.16	1.22	0.25	0.23	0.58	0.00	0.0000
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
New London County Total		**38.77**	**1,000.38**	**146.32**	**26.53**	**25.71**	**2.22**	**0.49**	**0.0032**
Tolland County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Tolland County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Windham County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Windham County Total		**0**							
State Total		**69.67**	**1,755.50**	**257.59**	**45.82**	**44.32**	**7.34**	**0.85**	**0.0056**

Table G-23: 2017 Summer Day Emissions of Commercial Marine Vessels (CMV)

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
Fairfield County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	1.10	8.72	0.36
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	4.85	166.52	26.15
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.06	0.31	0.06
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.11	2.06	0.25
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	41.42	1058.71	155.22
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	18.51	639.57	100.33
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.36	6.80	0.69
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.09	1.86	0.23
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Fairfield County Total		**66.49**	**1884.55**	**283.30**
Hartford County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.01	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Hartford County Total		**0.00**	**0.01**	**0.00**
Litchfield County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Litchfield County Total		**0.00**	**0.00**	**0.00**
Middlesex County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	6.50	104.89	12.30
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	10.09	345.79	54.12
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.20	2.10	0.30
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.12	3.11	0.31
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Middlesex County Total		**16.91**	**455.89**	**67.03**

New Haven County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	1.39	10.98	0.45
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	3.64	123.89	19.57
22-80-002-103	C3 Diesel Port emissions: Main Engine	5.38	29.02	5.45
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	8.97	195.73	23.04
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	18.13	368.98	49.78
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	22.69	783.31	122.71
22-80-002-203	C3 Diesel Underway emissions: Main Engine	20.38	168.58	25.05
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	5.82	128.07	14.98
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
New Haven County		**86.40**	**1808.58**	**261.04**
New London County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.05	0.41	0.01
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	2.66	92.42	14.50
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	113.38	2315.88	307.94
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	85.93	2969.18	465.16
22-80-002-203	C3 Diesel Underway emissions: Main Engine	8.39	62.86	9.63
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	2.60	55.82	6.70
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
New London County Total		**213.01**	**5496.57**	**803.94**
Tolland County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Tolland County Total		**0.00**	**0.00**	**0.00**
Windham County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Windham County Total		**0.00**	**0.00**	**0.00**
State Total		**382.81**	**9645.60**	**1415.30**

Table G-24: Annual 2017 Emissions of Locomotives

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield County									
22-85-002-006	Class I Operations	2.80	60.63	7.52	1.77	1.72	0.03	0.02	0.0000
22-85-002-007	Class II/III Operations	3.81	82.37	10.22	2.41	2.34	0.04	0.03	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	13.20	285.37	35.41	8.35	8.10	0.12	0.11	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Fairfield County Total		**19.82**	**428.38**	**53.16**	**12.54**	**12.16**	**0.19**	**0.17**	**0.00**
Hartford County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	4.61	99.62	12.36	2.92	2.83	0.04	0.04	0.0000
22-85-002-008	Passenger Trains (Amtrak)	3.28	58.80	8.55	2.08	2.01	0.03	0.03	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Hartford County Total		**7.89**	**158.42**	**20.91**	**4.99**	**4.84**	**0.07**	**0.07**	**0.00**
Litchfield County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	2.32	50.24	6.23	1.47	1.43	0.02	0.02	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Litchfield County Total		**2.32**	**50.24**	**6.23**	**1.47**	**1.43**	**0.02**	**0.02**	**0.00**
Middlesex County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	1.24	26.79	3.32	0.78	0.76	0.01	0.01	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Middlesex County Total		**1.24**	**26.79**	**3.32**	**0.78**	**0.76**	**0.01**	**0.01**	**0.00**
New Haven County									
22-85-002-006	Class I Operations	2.14	46.26	5.74	1.35	1.31	0.02	0.02	0.0000
22-85-002-007	Class II/III Operations	4.63	100.17	12.43	2.93	2.84	0.04	0.04	0.0000
22-85-002-008	Passenger Trains (Amtrak)	2.08	37.30	5.42	1.32	1.28	0.02	0.02	0.0000
22-85-002-009	Commuter Lines	8.25	178.28	22.12	5.22	5.06	0.08	0.07	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
New Haven County Total		**17.10**	**362.01**	**45.72**	**10.82**	**10.50**	**0.16**	**0.14**	**0.00**
New London County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	2.96	63.89	7.93	1.87	1.81	0.03	0.02	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
New London County Total		**2.96**	**63.89**	**7.93**	**1.87**	**1.81**	**0.03**	**0.02**	**0.00**
Tolland County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	0.73	15.79	1.96	0.46	0.45	0.01	0.01	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Tolland County Total		**0.73**	**15.79**	**1.96**	**0.46**	**0.45**	**0.01**	**0.01**	**0.00**
Windham County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	1.55	33.61	4.17	0.98	0.95	0.01	0.01	0.0000

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Windham County Total		**1.55**	**33.61**	**4.17**	**0.98**	**0.95**	**0.01**	**0.01**	**0.00**
State Total		**53.61**	**1,139.11**	**143.40**	**33.92**	**32.90**	**0.51**	**0.45**	**0.00**

Table G-25: 2017 Summer Day Emissions of Locomotives

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
Fairfield County				
22-85-002-006	Class I Operations	21.58	466.39	57.88
22-85-002-007	Class II/III Operations	29.31	633.64	78.63
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	101.55	2195.16	272.40
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Fairfield County Total		**152.43**	**3295.20**	**408.91**
Hartford County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	35.45	766.30	95.09
22-85-002-008	Passenger Trains (Amtrak)	25.23	452.32	65.74
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Hartford County Total		**60.68**	**1218.61**	**160.83**
Litchfield County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	17.88	386.42	47.95
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Litchfield County Total		**17.88**	**386.42**	**47.95**
Middlesex County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	9.53	206.05	25.57
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Middlesex County Total		**9.53**	**206.05**	**25.57**
New Haven County				
22-85-002-006	Class I Operations	16.46	355.82	44.15
22-85-002-007	Class II/III Operations	35.65	770.56	95.62

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
22-85-002-008	Passenger Trains (Amtrak)	16.01	286.95	41.70
22-85-002-009	Commuter Lines	63.44	1371.37	170.18
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
New Haven County		**131.55**	**2784.70**	**351.66**
New London County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	22.73	491.47	60.99
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
New London County Total		**22.73**	**491.47**	**60.99**
Tolland County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	5.62	121.43	15.07
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Tolland County Total		**5.62**	**121.43**	**15.07**
Windham County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	11.96	258.54	32.08
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Windham County Total		**11.96**	**258.54**	**32.08**
State Total		**412.38**	**8762.42**	**1103.05**

Table G-26: Diesel Fuel Use [gal] of Line Haul Locomotives by Company in 2005 (Apportioned by Track Right Mileage in County)

Railroad Company	Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham	Railroad State Total
AMTK		362,776		124,136	416,283	362,776			1,265,971
BRFD					29,358				29,358
CNZR		28,214							28,214
CSO		174,478			85,002				259,480
CSXT	146,415				111,555				257,970
HRRC	62,512		79,876						142,387
MNCW	507,721				567,725				1,075,446
NAUG			11,307		2,991				14,298
NECR						74,007	74,650	22,524	171,181
PAR/ PAS		3,537	4,633		5,479				13,650
PW	130,608			30,848	104,991	132,592		83,344	482,382
SLE				252,229	549,858				802,087
VALE				2,636					2,636
County Line Haul Total	**847,256**	**569,005**	**95,816**	**409,848**	**1,873,242**	**569,375**	**74,650**	**105,867**	**4,545,060**

Table G-27: 2017 Non-Road Sector to SCC Mapping

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Agricultural Equipment	22-60-005-035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Agricultural Equipment	Sprayers
Agricultural Equipment	22-65-005-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	2-Wheel Tractors
Agricultural Equipment	22-65-005-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Agricultural Tractors
Agricultural Equipment	22-65-005-025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Balers
Agricultural Equipment	22-65-005-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Agricultural Mowers
Agricultural Equipment	22-65-005-035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Sprayers
Agricultural Equipment	22-65-005-040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Tillers > 6 HP
Agricultural Equipment	22-65-005-045	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Swathers
Agricultural Equipment	22-65-005-055	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Other Agricultural Equipment
Agricultural Equipment	22-65-005-060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Irrigation Sets
Agricultural Equipment	22-68-005-055	Mobile Sources	CNG	Agricultural Equipment	Other Agricultural Equipment
Agricultural Equipment	22-68-005-060	Mobile Sources	CNG	Agricultural Equipment	Irrigation Sets
Agricultural Equipment	22-70-005-010	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	2-Wheel Tractors
Agricultural Equipment	22-70-005-015	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Agricultural Tractors
Agricultural Equipment	22-70-005-020	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Combines

Agricultural Equipment	22-70-005-025	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Balers
Agricultural Equipment	22-70-005-030	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Agricultural Mowers
Agricultural Equipment	22-70-005-035	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Sprayers
Agricultural Equipment	22-70-005-045	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Swathers
Agricultural Equipment	22-70-005-055	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Other Agricultural Equipment
Agricultural Equipment	22-70-005-060	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Irrigation Sets
Aircraft	22-75-00-1000	Mobile Sources	Aircraft	Military Aircraft	Total
Aircraft	22-75-02-0000	Mobile Sources	Aircraft	Commercial Aircraft	Total: All Types
Aircraft	22-75-05-0011	Mobile Sources	Aircraft	General Aviation	Piston
Aircraft	22-75-05-0012	Mobile Sources	Aircraft	General Aviation	Turbine
Aircraft	22-75-06-0011	Mobile Sources	Aircraft	Air Taxi	Piston
Aircraft	22-75-06-0012	Mobile Sources	Aircraft	Air Taxi	Turbine
Aircraft	22-75-07-0000	Mobile Sources	Aircraft	Aircraft Auxiliary Power Units	Total
Aircraft	22-75-087-000	Mobile Sources	Aircraft	In-flight (non-Landing-Takeoff cycle)	Total
Airport Equipment	22-60-00-8005	Mobile Sources	Off-highway Vehicle Gasoline	Airport Ground Support Equipment	2-Stroke Airport Ground Support Equipment
Airport Equipment	22-65-00-8005	Mobile Sources	Off-highway Vehicle Gasoline	Airport Ground Support Equipment	4-Stroke Airport Ground Support Equipment
Airport Equipment	22-67-00-8005	Mobile Sources	Off-highway Vehicle LPG	Airport Ground Support Equipment	LPG Airport Ground Support Equipment
Airport Equipment	22-68-00-8005	Mobile Sources	Off-highway Vehicle CNG	Airport Ground Support Equipment	CNG Airport Ground Support Equipment

Airport Equipment	22-70-00-8005	Mobile Sources	Off-highway Vehicle Diesel	Airport Ground Support Equipment	Airport Ground Support Equipment
Commercial Equipment	22-60-006-005	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Generator Sets
Commercial Equipment	22-60-006-010	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Pumps
Commercial Equipment	22-60-006-015	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Air Compressors
Commercial Equipment	22-60-006-035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Hydro-power Units
Commercial Equipment	22-65-006-005	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Generator Sets
Commercial Equipment	22-65-006-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Pumps
Commercial Equipment	22-65-006-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Air Compressors
Commercial Equipment	22-65-006-025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Welders
Commercial Equipment	22-65-006-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Pressure Washers
Commercial Equipment	22-65-006-035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Hydro-power Units
Commercial Equipment	22-67-006-005	Mobile Sources	LPG	Commercial Equipment	Generator Sets
Commercial Equipment	22-67-006-010	Mobile Sources	LPG	Commercial Equipment	Pumps
Commercial Equipment	22-67-006-015	Mobile Sources	LPG	Commercial Equipment	Air Compressors
Commercial Equipment	22-67-006-025	Mobile Sources	LPG	Commercial Equipment	Welders
Commercial Equipment	22-67-006-030	Mobile Sources	LPG	Commercial Equipment	Pressure Washers
Commercial Equipment	22-67-006-035	Mobile Sources	LPG	Commercial Equipment	Hydro-power Units

Commercial Equipment	22-68-006-005	Mobile Sources	CNG	Commercial Equipment	Generator Sets
Commercial Equipment	22-68-006-010	Mobile Sources	CNG	Commercial Equipment	Pumps
Commercial Equipment	22-68-006-015	Mobile Sources	CNG	Commercial Equipment	Air Compressors
Commercial Equipment	22-68-006-020	Mobile Sources	CNG	Commercial Equipment	Gas Compressors
Commercial Equipment	22-70-006-005	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Generator Sets
Commercial Equipment	22-70-006-010	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Pumps
Commercial Equipment	22-70-006-015	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Air Compressors
Commercial Equipment	22-70-006-025	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Welders
Commercial Equipment	22-70-006-030	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Pressure Washers
Commercial Equipment	22-70-006-035	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Hydro-power Units
Commercial Marine Vessels	22-80-002-101	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Main Engine
Commercial Marine Vessels	22-80-002-102	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-002-103	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Main Engine
Commercial Marine Vessels	22-80-002-104	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-002-201	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Main Engine
Commercial Marine Vessels	22-80-002-202	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Auxiliary Engine

Commercial Marine Vessels	22-80-002-203	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Main Engine
Commercial Marine Vessels	22-80-002-204	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-003-103	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Main Engine
Commercial Marine Vessels	22-80-003-104	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-003-203	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Main Engine
Commercial Marine Vessels	22-80-003-204	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Auxiliary Engine
Construction and Mining Equipment	22-60-002-006	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Tampers/Rammers
Construction and Mining Equipment	22-60-002-009	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Plate Compactors
Construction and Mining Equipment	22-60-002-021	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-60-002-027	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Signal Boards/Light Plants
Construction and Mining Equipment	22-60-002-039	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-60-002-054	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-65-002-003	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Pavers
Construction and Mining Equipment	22-65-002-006	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Tampers/ Rammers
Construction and Mining Equipment	22-65-002-009	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Plate Compactors
Construction and Mining Equipment	22-65-002-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rollers

Construction and Mining Equipment	22-65-002-021	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-65-002-024	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Surfacing Equipment
Construction and Mining Equipment	22-65-002-027	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Signal Boards/ Light Plants
Construction and Mining Equipment	22-65-002-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Trenchers
Construction and Mining Equipment	22-65-002-033	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Bore/ Drill Rigs
Construction and Mining Equipment	22-65-002-039	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-65-002-042	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Cement and Mortar Mixers
Construction and Mining Equipment	22-65-002-045	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Cranes
Construction and Mining Equipment	22-65-002-054	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-65-002-057	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rough Terrain Forklifts
Construction and Mining Equipment	22-65-002-060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rubber Tire Loaders
Construction and Mining Equipment	22-65-002-066	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes
Construction and Mining Equipment	22-65-002-072	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Skid Steer Loaders
Construction and Mining Equipment	22-65-002-078	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Dumpers/ Tenders
Construction and Mining Equipment	22-65-002-081	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Other Construction Equipment
Construction and Mining Equipment	22-67-002-003	Mobile Sources	LPG	Construction and Mining Equipment	Pavers
Construction and Mining Equipment	22-67-002-015	Mobile Sources	LPG	Construction and Mining Equipment	Rollers

Construction and Mining Equipment	22-67-002-021	Mobile Sources	LPG	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-67-002-024	Mobile Sources	LPG	Construction and Mining Equipment	Surfacing Equipment
Construction and Mining Equipment	22-67-002-030	Mobile Sources	LPG	Construction and Mining Equipment	Trenchers
Construction and Mining Equipment	22-67-002-033	Mobile Sources	LPG	Construction and Mining Equipment	Bore/ Drill Rigs
Construction and Mining Equipment	22-67-002-039	Mobile Sources	LPG	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-67-002-045	Mobile Sources	LPG	Construction and Mining Equipment	Cranes
Construction and Mining Equipment	22-67-002-054	Mobile Sources	LPG	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-67-002-057	Mobile Sources	LPG	Construction and Mining Equipment	Rough Terrain Forklifts
Construction and Mining Equipment	22-67-002-060	Mobile Sources	LPG	Construction and Mining Equipment	Rubber Tire Loaders
Construction and Mining Equipment	22-67-002-066	Mobile Sources	LPG	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes
Construction and Mining Equipment	22-67-002-072	Mobile Sources	LPG	Construction and Mining Equipment	Skid Steer Loaders
Construction and Mining Equipment	22-67-002-081	Mobile Sources	LPG	Construction and Mining Equipment	Other Construction Equipment
Construction and Mining Equipment	22-68-002-081	Mobile Sources	CNG	Construction and Mining Equipment	Other Construction Equipment
Construction and Mining Equipment	22-70-002-003	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Pavers
Construction and Mining Equipment	22-70-002-006	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Tampers/ Rammers
Construction and Mining Equipment	22-70-002-009	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Plate Compactors
Construction and Mining Equipment	22-70-002-015	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rollers

Construction and Mining Equipment	22-70-002-018	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Scrapers
Construction and Mining Equipment	22-70-002-021	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-70-002-024	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Surfacing Equipment
Construction and Mining Equipment	22-70-002-027	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Signal Boards/ Light Plants
Construction and Mining Equipment	22-70-002-030	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Trenchers
Construction and Mining Equipment	22-70-002-033	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Bore/ Drill Rigs
Construction and Mining Equipment	22-70-002-036	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Excavators
Construction and Mining Equipment	22-70-002-039	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-70-002-042	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Cement and Mortar Mixers
Construction and Mining Equipment	22-70-002-045	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Cranes
Construction and Mining Equipment	22-70-002-048	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Graders
Construction and Mining Equipment	22-70-002-051	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Off-highway Trucks
Construction and Mining Equipment	22-70-002-054	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-70-002-057	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rough Terrain Forklifts
Construction and Mining Equipment	22-70-002-060	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rubber Tire Loaders
Construction and Mining Equipment	22-70-002-066	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes
Construction and Mining Equipment	22-70-002-069	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Crawler Tractor/ Dozers

Construction and Mining Equipment	22-70-002-072	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Skid Steer Loaders
Construction and Mining Equipment	22-70-002-075	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Off-highway Tractors
Construction and Mining Equipment	22-70-002-078	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Dumpers/ Tenders
Construction and Mining Equipment	22-70-002-081	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Other Construction Equipment
Industrial Equipment	22-60-003-030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-60-003-040	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-65-003-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Aerial Lifts
Industrial Equipment	22-65-003-020	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Forklifts
Industrial Equipment	22-65-003-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-65-003-040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-65-003-050	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other Material Handling Equipment
Industrial Equipment	22-65-003-060	Mobile Sources	Off-highway Vehicle Gasoline	Industrial Equipment	4-Stroke AC\ Refrigeration
Industrial Equipment	22-65-003-070	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-65-010-010	Mobile Sources	Off-highway Vehicle Gasoline	Industrial Equipment	4-Stroke Other Oil Field Equipment
Industrial Equipment	22-67-003-010	Mobile Sources	LPG	Industrial Equipment	Aerial Lifts
Industrial Equipment	22-67-003-020	Mobile Sources	LPG	Industrial Equipment	Forklifts
Industrial Equipment	22-67-003-030	Mobile Sources	LPG	Industrial Equipment	Sweepers/ Scrubbers

Industrial Equipment	22-67-003-040	Mobile Sources	LPG	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-67-003-050	Mobile Sources	LPG	Industrial Equipment	Other Material Handling Equipment
Industrial Equipment	22-67-003-070	Mobile Sources	LPG	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-68-003-020	Mobile Sources	CNG	Industrial Equipment	Forklifts
Industrial Equipment	22-68-003-030	Mobile Sources	CNG	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-68-003-040	Mobile Sources	CNG	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-68-003-060	Mobile Sources	Off-highway Vehicle CNG	Industrial Equipment	CNG AC\ Refrigeration
Industrial Equipment	22-68-003-070	Mobile Sources	CNG	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-68-010-010	Mobile Sources	Off-highway Vehicle CNG	Industrial Equipment	CNG Other Oil Field Equipment
Industrial Equipment	22-70-003-010	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Aerial Lifts
Industrial Equipment	22-70-003-020	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Forklifts
Industrial Equipment	22-70-003-030	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-70-003-040	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-70-003-050	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other Material Handling Equipment
Industrial Equipment	22-70-003-060	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	AC\ Refrigeration
Industrial Equipment	22-70-003-070	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-70-010-010	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other Oil Field Equipment

Lawn and Garden Equipment (Com)	22-60-004-016	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-021	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Chain Saws < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-026	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-031	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-036	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Snowblowers (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-071	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Turf Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-011	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-016	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-026	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Trimmers/Edgers/Brush Cutters (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-031	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-036	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	4-Stroke Snowblowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-041	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rear Engine Riding Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-046	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Front Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-051	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Shredders < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-056	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn and Garden Tractors (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-066	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)

Lawn and Garden Equipment (Com)	22-65-004-071	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Turf Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-076	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-67-004-066	Mobile Sources	LPG	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-046	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Front Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-056	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Lawn and Garden Tractors (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-066	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-071	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Turf Equipment (Commercial)
Lawn and Garden Equipment (Res)	22-60-004-015	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Residential)
Lawn and Garden Equipment (Res)	22-60-004-020	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Chain Saws < 6 HP (Residential)
Lawn and Garden Equipment (Res)	22-60-004-025	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Residential)
Lawn and Garden Equipment (Res)	22-60-004-030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Residential)
Lawn and Garden Equipment (Res)	22-60-004-035	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Snowblowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn Mowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Residential)
Lawn and Garden Equipment (Res)	22-65-004-025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Residential)

Lawn and Garden Equipment (Res)	22-65-004-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Residential)
Lawn and Garden Equipment (Res)	22-65-004-035	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	4-Stroke Snowblowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rear Engine Riding Mowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-055	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn and Garden Tractors (Residential)
Lawn and Garden Equipment (Res)	22-65-004-075	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Residential)
Locomotives	22-85-002-006	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class I Operations
Locomotives	22-85-002-007	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class II / III Operations
Locomotives	22-85-002-008	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Passenger Trains (Amtrak)
Locomotives	22-85-002-009	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Commuter Lines
Locomotives	22-85-002-010	Mobile Sources	Railroad Equipment	Diesel	Yard Locomotives
Logging Equipment	22-60-007-005	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Logging Equipment	Chain Saws > 6 HP
Logging Equipment	22-65-007-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Logging Equipment	Shredders > 6 HP
Logging Equipment	22-70-007-015	Mobile Sources	Off-highway Vehicle Diesel	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder
Pleasure Craft	22-82-005-010	Mobile Sources	Pleasure Craft	Gasoline 2-Stroke	Outboard
Pleasure Craft	22-82-005-015	Mobile Sources	Pleasure Craft	Gasoline 2-Stroke	Personal Water Craft
Pleasure Craft	22-82-010-005	Mobile Sources	Pleasure Craft	Gasoline 4-Stroke	Inboard/Sterndrive
Pleasure Craft	22-82-020-005	Mobile Sources	Pleasure Craft	Diesel	Inboard/Sterndrive
Pleasure Craft	22-82-020-010	Mobile Sources	Pleasure Craft	Diesel	Outboard
Railroad Equipment	22-85-002-015	Mobile Sources	Railroad Equipment	Diesel	Railway Maintenance
Railroad Equipment	22-85-004-015	Mobile Sources	Railroad Equipment	Gasoline, 4-Stroke	Railway Maintenance

Railroad Equipment	22-85-006-015	Mobile Sources	Railroad Equipment	LPG	Railway Maintenance
Recreational Equipment	22-60-001-010	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	Motorcycles: Off-road
Recreational Equipment	22-60-001-020	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	2-Stroke Snowmobiles
Recreational Equipment	22-60-001-030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	All Terrain Vehicles
Recreational Equipment	22-60-001-060	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	2-Stroke Specialty Vehicles/ Carts
Recreational Equipment	22-65-001-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	Motorcycles: Off-road
Recreational Equipment	22-65-001-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	All Terrain Vehicles
Recreational Equipment	22-65-001-050	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	4-Stroke Golf Carts
Recreational Equipment	22-65-001-060	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	4-Stroke Specialty Vehicles/Carts
Recreational Equipment	22-67-001-060	Mobile Sources	Off-highway Vehicle LPG	Recreational Equipment	LPG Specialty Vehicles/ Carts
Recreational Equipment	22-70-001-060	Mobile Sources	Off-highway Vehicle Diesel	Recreational Equipment	Specialty Vehicles/ Carts
Agricultural Equipment	22-60-005-035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Agricultural Equipment	Sprayers

Appendix H Area Source Calculation Support Tables

Table H-1: EIA-923 Electrical Generation Missing from Connecticut's 2017 Point Source Inventory

EIA / EPA IPM Plant Identifier	Plant Name	Operator Name	EIA Sector Number and Name	Reported Prime Mover[186]	AER Fuel Type[187]	Annual Activity	Physical Unit Label
57598	Bridge Street 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	718	barrels
57598	Bridge Street 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	RFO	0	barrels
57599	Fort Hill 1, 2, 3 & 4	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,674	barrels
57601	Gary Court 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	972	barrels
57602	Jewett City 1	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	485	barrels
57603	LNG 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	997	barrels
57604	Lebanon Pines 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	903	barrels
57605	Water Treatment 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	982	barrels
57689	Norden 1-3	Third Taxing District of Norwalk	1 - Electric Utility	IC	DFO	137	barrels
58551	Dominion Bridgeport Fuel Cell, LLC	Dominion Renewable Energy	2 - NAICS-22 Non-Cogen	FC	NG	776,963	mcf
58948	Bristol Myers Squibb Wallingford	Bristol-Myers Squibb Co	2 - NAICS-22 Non-Cogen	GT	NG	369,134	mcf
58948	Bristol Myers Squibb Wallingford	Bristol-Myers Squibb Co	2 - NAICS-22 Non-Cogen	IC	DFO	28	barrels
59415	Backus Microgrid Project	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,761	barrels
59801	IBM Southbury	Bloom Energy	2 - NAICS-22 Non-Cogen	FC	NG	50,819	mcf
60040	UI RCP New Haven Fuel Cell	United Illuminating Co	1 - Electric Utility	FC	NG	326,390	mcf
60054	UI RCP Bridgeport Seaside	United Illuminating Co	1 - Electric Utility	FC	NG	389,324	mcf
60109	UDR Glastonbury Fuel Cell	UIL Distributed Resources, LLC	2 - NAICS-22 Non-Cogen	FC	NG	177,724	mcf
60593	UI RCP Woodbridge FC	United Illuminating Co	1 - Electric Utility	FC	NG	125,098	mcf

[186] FC for Fuel Cell, IC for Internal Combustion Engine, and GT for Gas Turbine
[187] DFO for Distillate Fuel Oil, RFO for Residual Fuel Oil, and NG for Natural Gas

EIA / EPA IPM Plant Identifier	Plant Name	Operator Name	EIA Sector Number and Name	Reported Prime Mover[186]	AER Fuel Type[187]	Annual Activity	Physical Unit Label
60683	TRS Fuel Cell	TRS Fuel Cell, LLC	3 - NAICS-22 Cogen	FC	NG	3,428	mcf
Total of Missing Activity for Distillate Petroleum Units [188]						**363.59**	E3GAL
Total of Missing Activity for Natural Gas Units						**2,218.9**	MMCF

[188] 1 barrel = 42 gallons

Table H-2: Connecticut 2017 Emissions Inventory Data in EIA-923 Electrical Generation Report

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
T014P0004C07741	16708311	Connecticut Jet Power LLC, Branford Substation	NRG ENERGY, INC.	540	Branford	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T015P0045C08087	754311	PSEG PWR CT LLC/BPT HARBOR STA	PSEG POWER CT, LLC	568	Bridgeport Station	PSEG Power Connecticut LLC	2 - NAICS-22 Non-Cogen
T015P0765C02245	754411	WHEELABRATOR BRIDGEPORT LP	Wheelabrator Technologies Inc	50883	Wheelabrator Bridgeport	Wheelabrator Environmental Systems	2 - NAICS-22 Non-Cogen
T015P0862C06859	754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT ENERGY LLC	55042	Bridgeport Energy Project	Bridgeport Energy LLC	2 - NAICS-22 Non-Cogen
T026P0202C06590	588711	COVANTA BRISTOL, INC	COVANTA ENERGY, INC	50648	Covanta Bristol Energy	Covanta Bristol Inc	2 - NAICS-22 Non-Cogen
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	UNITED TECHNOLOGIES CORP	54605	Pratt & Whitney	United Technologies	7 - Industrial NAICS Cogen
T067P0017C07741	2722511	CONNECTICUT JET POWER, LLC	NRG ENERGY, INC.	542	Cos Cob	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T070P0004C00089	921211	Pfizer Incorporated, Manufacturing and Research	PFIZER INC	54236	Pfizer Groton Plant	Pfizer Inc	7 - Industrial NAICS Cogen
T075P0158C05497	715611	MIRA / MID-CONNECTICUT	Materials Innovation and Recycling Authority (MIRA)	54945	CT Resource Rec Authority Facility	NAES Corp	2 - NAICS-22 Non-Cogen
T075P0158C05497	715611	MIRA / MID-CONNECTICUT	Materials Innovation and Recycling Authority (MIRA)	563	South Meadow	NAES Corp	2 - NAICS-22 Non-Cogen
T075P0766C08310	844911	CAP DIST ENERGY CTR COGEN ASSO	Capitol District Energy Center Cogeneration Associates	50498	Capitol District Energy Center	Capitol District Energy Center	3 - NAICS-22 Cogen

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
T089P0080C07442	844711	LAKE ROAD GENERATING CO, L.P.	LAKE ROAD GENERATING CO, LLC	55149	Lake Road Generating Plant	Lake Road Generating Co LP	2 - NAICS-22 Non-Cogen
T093P0014C02245	8501611	WHEELABRATOR LISBON INC	Wheelabrator Technologies Inc	54758	Wheelabrator Lisbon	Wheelabrator Environmental Systems	2 - NAICS-22 Non-Cogen
T104P0024C07741	715711	MIDDLETOWN POWER LLC	NRG ENERGY, INC.	57068	GenConn Middletown LLC	GenConn Middletown LLC	2 - NAICS-22 Non-Cogen
T104P0024C07741	715711	MIDDLETOWN POWER LLC	NRG ENERGY, INC.	562	Middletown	Middletown Power LLC	2 - NAICS-22 Non-Cogen
T104P0246C08070	14622911	KLEEN ENERGY SYSTEM PROJECT	KLEEN ENERGY SYSTEM LLC	56798	Kleen Energy Systems Project	Kleen Energy Systems, LLC	2 - NAICS-22 Non-Cogen
T105P0014C07741	590011	DEVON POWER, LLC	NRG ENERGY, INC.	57070	GenConn Devon LLC	GenConn Devon LLC	2 - NAICS-22 Non-Cogen
T105P0014C07741	590011	DEVON POWER, LLC	NRG ENERGY, INC.	544	Devon Station	Devon Power LLC	2 - NAICS-22 Non-Cogen
T105P0251C07780	2708911	MILFORD POWER CO, LLC	MILFORD POWER CO LLC	55126	Milford Power Project	Milford Power Co LLC	2 - NAICS-22 Non-Cogen
T107P0005C07741	552611	MONTVILLE POWER, LLC	NRG ENERGY, INC.	546	Montville Station	NRG Montville Operations Inc	2 - NAICS-22 Non-Cogen
T117P0551C08087	643411	PSEG FOSSIL LLC/ POWER CT LLC	PSEG POWER CT, LLC	6156	New Haven Harbor	PSEG Power Connecticut LLC	2 - NAICS-22 Non-Cogen
T130P0006C01672	845911	KIMBERLY-CLARK CORP	KIMBERLY CLARK CORP	58084	Kimberly Clark-Unit 1,2,3	Kimberly-Clark Corporation	7 - Industrial NAICS Cogen
T139P0105C06101	16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH, CITY OF	581	North Main Street	City of Norwich - (CT)	1 - Electric Utility
T145P0074C08772	16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD RENEWBLE ENRGY, LLC	56847	Plainfield Renewable Energy LLC	Plainfield Renewable Energy, LLC	2 - NAICS-22 Non-Cogen

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
T150P0001C08542	16708111	Tunnel Station	FirstLight Hydro Generating Company, LLC	557	Tunnel	FirstLight Power Resources Services LLC	2 - NAICS-22 Non-Cogen
T150P0012C06032	754611	COVANTA SOUTHEASTERN CT CO	COVANTA ENERGY CORPORATION	10646	Covanta Southeastern Connecticut Company	Covanta Southeastern Connecticut Company	2 - NAICS-22 Non-Cogen
T172P0026C08048	14623611	WATERSIDE POWER LLC	WATERSIDE POWER LLC	56189	Waterside Power, LLC	Waterside Power, LLC	2 - NAICS-22 Non-Cogen
T183P0024C07741	16712111	Connecticut Jet Power LLC, Franklin Drive	NRG ENERGY, INC.	561	Franklin Drive	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T183P0043C07741	16708411	Connecticut Jet Power LLC, Torrington Terminal	NRG ENERGY, INC.	565	Torrington Terminal	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T189P0114C08224	14624411	PIERCE GENERATING STATION (Wallingford)	CT MUNICIPAL ELEC ENERGY CO-OP	6635	A L Pierce	Connecticut Mun Elec Engy Coop	1 - Electric Utility
T189P0114C08691	14624011	Wallingford Energy LLC	Wallingford Energy LLC	55517	Wallingford Energy	Wallingford Energy LLC	2 - NAICS-22 Non-Cogen
T192P0005C08468	15588211	WATERBURY GENERATION, LLC	FIRST LIGHT RESRCE SRVCE, LLC	56629	Waterbury Generation	Engie North America	2 - NAICS-22 Non-Cogen
T213P0001C08095	589711	ALGONQUIN POWER WINDSOR LOCKS	ALGONQUIN POWER MGMT, INC	10567	Algonquin Windsor Locks	Algonquin Windsor Locks LLC	3 - NAICS-22 Cogen

Table H-3: Connecticut Facility Level Classification for 2017 Point Reconciliation
(Industrial, Commercial or Not Applicable)

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T013P0001C00362	15588311	The Gilman Brothers Company	3261	Industrial	NEMO Table 6
T014P0004C07741	16708311	Connecticut Jet Power LLC, Branford Substation	221112	Electrical	EIA 923
T015P0017C08751	754211	Sprague Operating Resources, LLC	45431	Commercial	NEMO Table 6
T015P0045C08087	754311	PSEG PWR CT LLC/BPT HARBOR STA	221112	Electrical	EIA 923
T015P0765C08786	754411	WHEELABRATOR BRIDGEPORT LP	562213	Electrical	EIA 923
T015P0862C06859	754511	BRIDGEPORT ENERGY LLC	221112	Electrical	EIA 923
T026P0019C06579	769211	FIRESTONE BUILDING PRODUCTS CO	3261	Industrial	NEMO Table 6
T026P0202C06590	588711	COVANTA BRISTOL, INC	562213	Electrical	EIA 923
T043P0012C00562	17876611	MATTABASSETT DISTRICT	221320	Commercial	NEMO Table 6
T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	324121	Industrial	NEMO Table 6
T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	337110	Industrial	NEMO Table 6
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	336412	Industrial	EIA 923
T054P0005C01457	897811	NEW HAVEN TERMINAL, INC	4931	Commercial	NEMO Table 6
T067P0017C07741	2722511	CONNECTICUT JET POWER, LLC	221112	Electrical	EIA 923
T070P0004C00089	921211	PFIZER INC	325411	Industrial	EIA 923
T070P0005C00046	922211	ELECTRIC BOAT CORP	336611	Industrial	NEMO Table 6
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	92811	Commercial	NEMO Table 6
T075P0158C08792	715611	MIRA / MID-CONNECTICUT	562213	Electrical	EIA 923
T075P0505C01046	552311	M D C /HARTFORD WPCF	221320	Commercial	NEMO Table 6
T075P0766C08310	844911	Capitol District Energy Center Cogeneration Associates	221330	Electrical	EIA 923
T089P0065C07514	2765911	FRITO-LAY INC	311919	Industrial	NEMO Table 6
T089P0080C07442	844711	LAKE ROAD GENERATING CO, LLC	221112	Electrical	EIA 923
T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	325211	Industrial	NEMO Table 6
T092P0002C08661	15588511	Trinseo LLC - Allyn's Point	325211	Industrial	NEMO Table 6
T093P0014C08786	8501611	WHEELABRATOR LISBON INC	562213	Electrical	EIA 923

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T097P0225C00197	14622811	Manchester Landfill Premises	562212	Commercial	NEMO Table 6
T098P0015C01138	642611	UNIV OF CT / STORRS	611310	Commercial	NEMO Table 6
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	336412	Industrial	NEMO Table 6
T104P0024C07741	715711	MIDDLETOWN POWER LLC	221112	Electrical	EIA 923
T104P0246C08070	14622911	KLEEN ENERGY SYSTEM PROJECT	221112	Electrical	EIA 923
T105P0014C07741	590011	DEVON POWER, LLC	221112	Electrical	EIA 923
T105P0096C03560	17997611	Colonial Coatings Corporation	332813	Industrial	NEMO Table 6
T105P0251C07780	2708911	MILFORD POWER CO, LLC	221112	Electrical	EIA 923
T107P0004C08708	2662011	WestRock	322130	Industrial	NEMO Table 6
T107P0005C07741	552611	MONTVILLE POWER, LLC	221112	Electrical	EIA 923
T109P0011C01307	898011	NAUGATUCK POTW	221320	Commercial	NEMO Table 6
T110P0282C00110	918811	STANLEY TOOLS DIV	332216	Industrial	NEMO Table 6
T117P0048C00205	843911	YALE UNIV /CENTRAL POWER PLT	61131	Commercial	NEMO Table 6
T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	61131	Commercial	NEMO Table 6
T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	45431	Commercial	NEMO Table 6
T117P0088C06566	918711	GULF OIL L.P.	45431	Commercial	NEMO Table 6
T117P0120C01457	555611	NEW HAVEN TERMINAL, INC	49319	Commercial	NEMO Table 6
T117P0212C07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	49319	Commercial	NEMO Table 6
T117P0519C07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	49319	Commercial	NEMO Table 6
T117P0551C08087	643411	PSEG FOSSIL LLC/ POWER CT LLC	221112	Electrical	EIA 923
T117P0960C08281	2709611	GREATER NEW HAVEN WPCA	2213	Commercial	NEMO Table 6
T130P0006C01672	845911	KIMBERLY-CLARK CORP	32212	Industrial	EIA 923
T135P0117C05244	14623211	UNITED ALUMINUM CORP	331315	Industrial	NEMO Table 6
T137P0003C01727	552411	NORWALK HOSPITAL ASSOCIATION	622110	Commercial	NEMO Table 6
T139P0105C06101	16708211	NORWICH PUBLIC UTIL/ELECT	221112	Electrical	EIA 923
T145P0074C08464	16734111	PLAINFIELD RENEWABLE ENRGY LLC	221118	Electrical	EIA 923
T147P0062C08773	17952511	FJC Services, LLC	332813	Industrial	NEMO Table 6
T150P0001C08542	16708111	Tunnel Station	221112	Electrical	EIA 923

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T150P0012C06032	754611	COVANTA SOUTHEASTERN CT CO	562213	Electrical	EIA 923
T152P0008C05365	844811	Sonoco Protective Solutions, Inc	3261	Industrial	NEMO Table 6
T168P0110C04470	2673711	SUPREME LAKE MFG CO	332721	Industrial	NEMO Table 6
T172P0026C08048	14623611	WATERSIDE POWER LLC	221112	Electrical	EIA 923
T172P0091C08762	588811	PolyOne Designed Structures and Solutions	326113	Industrial	NEMO Table 6
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	336411	Industrial	NEMO Table 6
T178P0060C04680	14623811	BRIDGEPORT INSULATED WIRE CO	331420	Industrial	NEMO Table 6
T178P0167C08768	533411	Total Petrochemical and Refining	325199	Industrial	NEMO Table 6
T178P0223C05988	589611	HAMPFORD RESEARCH INC	325199	Industrial	NEMO Table 6
T178P0231C05239	14623911	STRATFORD SCHOOL FOR AVIATION	6115	Commercial	NEMO Table 6
T183P0024C07741	16712111	Connecticut Jet Power LLC, Franklin Drive	221112	Electrical	EIA 923
T183P0043C07741	16708411	Connecticut Jet Power LLC, Torrington Terminal	221112	Electrical	EIA 923
T189P0027C08277	15588611	EVONIK CYRO LLC	325211	Industrial	NEMO Table 6
T189P0027C08763	658111	Allnex USA, Inc	325211	Industrial	NEMO Table 6
T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	331491	Industrial	NEMO Table 6
T189P0114C08224	14624411	PIERCE GENERATING STATION (Wallingford)	221112	Electrical	EIA 923
T189P0114C08691	14624011	Wallingford Energy LLC	221112	Electrical	EIA 923
T192P0005C08468	15588211	WATERBURY GENERATION, LLC	221112	Electrical	EIA 923
T192P0053C08474	555711	SOMERS THIN STRIP	331420	Industrial	NEMO Table 6
T192P0065C00253	17876411	Waterbury Water Pollution Control Facility	221320	Commercial	NEMO Table 6
T200P0026C08709	587911	Albea Metal Americas Inc.	33211	Industrial	NEMO Table 6
T200P0052C06689	2711411	Braxton Manufacturing Company, Inc.	332119	Industrial	NEMO Table 6
T203P0146C02442	17876511	OMI WEST HAVEN /WPCF (S.S.I.)	221320	Commercial	NEMO Table 6
T213P0001C08095	589711	ALGONQUIN POWER WINDSOR LOCKS	221112	Electrical	EIA 923
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	33641	Industrial	NEMO Table 6

Table H-4: Connecticut Facility Level Data for Industrial and Commercial/Institutional for 2017 Point Reconciliation

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T013P0001C00362	15588311	The Gilman Brothers Company	Industrial	Distillate fuel oil	67.672	E3GAL
T015P0017C08751	754211	Sprague Operating Resources, LLC	Commercial	Distillate fuel oil	0.0137	E3GAL
T026P0019C06579	769211	FIRESTONE BUILDING PRODUCTS CO	Industrial	Natural Gas	37.56	E6FT3
T043P0012C00562	17876611	MATTABASSETT DISTRICT	Commercial	Distillate fuel oil	1.797	E3GAL
T043P0012C00562	17876611	MATTABASSETT DISTRICT	Commercial	LPG	4.383	E3GAL
T043P0012C00562	17876611	MATTABASSETT DISTRICT	Commercial	Natural Gas	89.397	E6FT3
T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	Industrial	Distillate fuel oil	0	E3GAL
T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	Industrial	Natural Gas	3.4	E6FT3
T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	Industrial	Distillate fuel oil	19.07	E3GAL
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Distillate fuel oil	216.2832	E3GAL
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	LPG	0.001	E3GAL
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Natural Gas	1185.998	E6FT3
T070P0004C00089	921211	PFIZER INC	Industrial	Distillate fuel oil	88.2235	E3GAL
T070P0004C00089	921211	PFIZER INC	Industrial	LPG	0.045	E3GAL
T070P0004C00089	921211	PFIZER INC	Industrial	Natural Gas	1850.7407	E6FT3
T070P0005C00046	922211	ELECTRIC BOAT CORP	Industrial	Distillate fuel oil	16.298	E3GAL
T070P0005C00046	922211	ELECTRIC BOAT CORP	Industrial	LPG	0	E3GAL
T070P0005C00046	922211	ELECTRIC BOAT CORP	Industrial	Natural Gas	154.95	E6FT3
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	Commercial	Distillate fuel oil	128.3998	E3GAL
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	Commercial	LPG	4.7479	E3GAL
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	Commercial	Natural Gas	612.0642	E6FT3
T075P0505C01046	552311	M D C /HARTFORD WPCF	Commercial	Distillate fuel oil	58.072	E3GAL
T075P0505C01046	552311	M D C /HARTFORD WPCF	Commercial	LPG	0	E3GAL
T075P0505C01046	552311	M D C /HARTFORD WPCF	Commercial	Natural Gas	81.0353	E6FT3
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	Distillate fuel oil	0.543	E3GAL
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	LPG	8.59	E3GAL
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	Natural Gas	763.381	E6FT3

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	Residual fuel oil	0	E3GAL
T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	Industrial	Distillate fuel oil	1.694	E3GAL
T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	Industrial	Natural Gas	39.795	E6FT3
T092P0002C08661	15588511	Trinseo LLC - Allyn's Point	Industrial	Distillate fuel oil	0.15	E3GAL
T097P0225C00197	14622811	Manchester Landfill Premises	Commercial	Distillate fuel oil	6.972	E3GAL
T097P0225C00197	14622811	Manchester Landfill Premises	Commercial	LPG	0.76	E3GAL
T097P0225C00197	14622811	Manchester Landfill Premises	Commercial	Natural Gas	8.8306	E6FT3
T098P0015C01138	642611	UNIV OF CT / STORRS	Commercial	Distillate fuel oil	507.817	E3GAL
T098P0015C01138	642611	UNIV OF CT / STORRS	Commercial	LPG	4.143	E3GAL
T098P0015C01138	642611	UNIV OF CT / STORRS	Commercial	Natural Gas	1783.0683	E6FT3
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Distillate fuel oil	19.925	E3GAL
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	Industrial	LPG	10.74	E3GAL
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Natural Gas	630.49	E6FT3
T107P0004C08708	2662011	WestRock	Industrial	Natural Gas	0	E6FT3
T107P0004C08708	2662011	WestRock	Industrial	Residual fuel oil	0	E3GAL
T109P0011C01307	898011	NAUGATUCK POTW	Commercial	Distillate fuel oil	35.98	E3GAL
T110P0282C00110	918811	STANLEY TOOLS DIV	Industrial	Natural Gas	32.86	E6FT3
T117P0048C00205	843911	YALE UNIV /CENTRAL POWER PLT	Commercial	Distillate fuel oil	394.926	E3GAL
T117P0048C00205	843911	YALE UNIV /CENTRAL POWER PLT	Commercial	Natural Gas	1595.41	E6FT3
T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	Commercial	Distillate fuel oil	356.16	E3GAL
T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	Commercial	Natural Gas	1677.988	E6FT3
T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	Commercial	Distillate fuel oil	1.8484	E3GAL
T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	Commercial	Natural Gas	0.132	E6FT3
T117P0212C07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	Commercial	Distillate fuel oil	3.4106	E3GAL
T117P0212C07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	Commercial	Natural Gas	3.397	E6FT3
T117P0519C07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	Commercial	Distillate fuel oil	8.0191	E3GAL
T117P0960C08281	2709611	GREATER NEW HAVEN WPCA	Commercial	Distillate fuel oil	0.24	E3GAL
T117P0960C08281	2709611	GREATER NEW HAVEN WPCA	Commercial	Natural Gas	11.83	E6FT3

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T130P0006C01672	845911	KIMBERLY-CLARK CORP	Industrial	Distillate fuel oil	2.4235	E3GAL
T130P0006C01672	845911	KIMBERLY-CLARK CORP	Industrial	Natural Gas	2694.2688	E6FT3
T135P0117C05244	14623211	UNITED ALUMINUM CORP	Industrial	Distillate fuel oil	0.065	E3GAL
T135P0117C05244	14623211	UNITED ALUMINUM CORP	Industrial	Natural Gas	21.5115	E6FT3
T137P0003C01727	552411	NORWALK HOSPITAL ASSOCIATION	Commercial	Distillate fuel oil	7.641	E3GAL
T137P0003C01727	552411	NORWALK HOSPITAL ASSOCIATION	Commercial	Natural Gas	278.906	E6FT3
T152P0008C05365	844811	Sonoco Protective Solutions, Inc	Industrial	Distillate fuel oil	0	E3GAL
T152P0008C05365	844811	Sonoco Protective Solutions, Inc	Industrial	Natural Gas	43.133	E6FT3
T172P0091C08762	588811	PolyOne Designed Structures and Solutions	Industrial	Distillate fuel oil	0.418	E3GAL
T172P0091C08762	588811	PolyOne Designed Structures and Solutions	Industrial	Natural Gas	74.77	E6FT3
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	Industrial	Distillate fuel oil	69.2696	E3GAL
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	Industrial	Natural Gas	996.43	E6FT3
T178P0060C04680	14623811	BRIDGEPORT INSULATED WIRE CO	Industrial	Natural Gas	2.176	E6FT3
T178P0167C08768	533411	Total Petrochemical and Refining	Industrial	Natural Gas	7.1	E6FT3
T178P0223C05988	589611	HAMPFORD RESEARCH INC	Industrial	Distillate fuel oil	1	E3GAL
T178P0223C05988	589611	HAMPFORD RESEARCH INC	Industrial	Natural Gas	0.05	E6FT3
T178P0231C05239	14623911	STRATFORD SCHOOL FOR AVIATION	Commercial	Natural Gas	1.832	E6FT3
T189P0027C08277	15588611	EVONIK CYRO LLC	Industrial	Distillate fuel oil	0.7	E3GAL
T189P0027C08277	15588611	EVONIK CYRO LLC	Industrial	LPG	5.65	E3GAL
T189P0027C08277	15588611	EVONIK CYRO LLC	Industrial	Natural Gas	6	E6FT3
T189P0027C08763	658111	Allnex USA, Inc	Industrial	Distillate fuel oil	3.8523	E3GAL
T189P0027C08763	658111	Allnex USA, Inc	Industrial	LPG	0.008	E3GAL
T189P0027C08763	658111	Allnex USA, Inc	Industrial	Natural Gas	424.6532	E6FT3
T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	Industrial	Natural Gas	34.61	E6FT3
T192P0053C08474	555711	SOMERS THIN STRIP	Industrial	Distillate fuel oil	0.2356	E3GAL
T192P0053C08474	555711	SOMERS THIN STRIP	Industrial	Natural Gas	50.2792	E6FT3
T192P0065C00253	17876411	Waterbury Water Pollution Control Facility	Commercial	Distillate fuel oil	0.394	E3GAL
T192P0065C00253	17876411	Waterbury Water Pollution Control Facility	Commercial	Natural Gas	13.2777	E6FT3

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T200P0026C08709	587911	Albea Metal Americas Inc.	Industrial	Natural Gas	1.6475	E6FT3
T203P0146C02442	17876511	OMI WEST HAVEN /WPCF (S.S.I.)	Commercial	Distillate fuel oil	52.4477	E3GAL
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Distillate fuel oil	3.5878	E3GAL
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Jet Fuel	0	E3GAL
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	LPG	29.8147	E3GAL
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Natural Gas	545.4815	E6FT3

Table H-5: Connecticut Statewide Summary Data for ICI Industrial and Commercial/Institutional for 2017 Point Reconciliation

Sector	Fuel Type	Total Fuel Use (without Electrical Generation Adjustment)	Unit
Industrial	Distillate fuel oil	511.41	E3GAL
Industrial	Kerosene	0	E3GAL
Industrial	LPG	54.849	E3GAL
Industrial	Natural Gas	9,601.3	E6FT3
Industrial	Residual fuel oil	0	E3GAL
Commercial	Distillate fuel oil	1,564.1	E3GAL
Commercial	Kerosene	0	E3GAL
Commercial	LPG	14.034	E3GAL
Commercial	Natural Gas	6,157.2	E6FT3

Electrical Generation Adjustments were applied to Industrial and Commercial Sectors equally to account for missing 2017 Energy Administration Information activity not reported as point Electrical Generation in the 2017 NEI.

Table H-6: Connecticut Statewide Summary Data for Industrial and Commercial/Institutional for 2017 Point Reconciliation with Adjustment for Missing Electrical Generation Activity

Sector	Fuel Type	Total Fuel Use	Unit	Submitted Total Fuel Use	Unit
Industrial	Distillate fuel oil	329.61	E3GAL	7.97	E3BBL
Industrial	Kerosene	0	E3GAL	0	E3BBL
Industrial	LPG	54.849	E3GAL	1.31	E3BBL
Industrial	Natural Gas	8,491.8	E6FT3	8,556.3	E6FT3
Industrial	Residual fuel oil	0	E3GAL	0	E3BBL
Commercial	Distillate fuel oil	1,382.3	E3GAL	33.04	E3BBL
Commercial	Kerosene	0	E3GAL	0	E3BBL
Commercial	LPG	14.034	E3GAL	0.33	E3BBL
Commercial	Natural Gas	5,602.4	E6FT3	5,112.2	E6FT3

Data available at the time of the 2017 NEI NONPOINT data submittal (Submitted Total Fuel Use) can differ slightly from latest available data (Total Fuel Use).

Table H-7: Connecticut Summary Data for Industrial and Commercial/Institutional for 2017 Point Reconciliation

Sector Assignment	ICI County Activity Apportionment Percentage
Commercial/Institutional	
Fairfield	29.60%
Hartford	29.90%
Litchfield	3.09%
Middlesex	3.93%
New Haven	23.04%
New London	6.81%
Tolland	1.78%
Windham	1.86%
Commercial/Institutional Total	**100%**
Industrial	
Fairfield	21.53%
Hartford	32.54%
Litchfield	6.04%
Middlesex	5.80%
New Haven	20.48%
New London	8.04%
Tolland	2.47%
Windham	3.10%
Industrial Total	**100%**

Table H-8: Connecticut 2017 Point Data Associated with SCC 25-01-050-120 Based on EPA's Bulk Terminal SCC Crosswalk

County	Connecticut Facility State Identifier	EIS Facility Identifier	Site Name	Point SCC	Annual Gasoline Throughput [E3GAL]	Total VOC Emissions [TPY]	Total Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
FAIRFIELD	T015P0017C08751	754211	Sprague Operating Resources, LLC	4-06-001-41	234,323.3	8.09	4,047.92	99.80	500.25
FAIRFIELD	T015P0017C08751	754211	Sprague Operating Resources, LLC	4-04-001-11	266,556.0	24.90	24.90	0.00	1
FAIRFIELD	T015P0017C08751	754211	Sprague Operating Resources, LLC	4-04-001-01	81.5	0.01	0.01	0.00	1
NEW HAVEN	T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-06-001-41	621,437.9	7.05	7.05	0.00	1
NEW HAVEN	T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-71	392,058.7	18.57	18.57	0.00	1
NEW HAVEN	T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-61	28,081.9	4.97	4.97	0.00	1
NEW HAVEN	T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-41	46,731.2	0.46	0.46	0.00	1
NEW HAVEN	T117P0053C08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-13	62,003.3	0.48	0.48	0.00	1
NEW HAVEN	T117P0519C07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	4-06-001-41	207,909.3	8.31	763.98	98.91	91.88
NEW HAVEN	T117P0519C07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	4-04-001-62	216,880.9	41.34	41.34	0.00	1
NEW HAVEN	T117P0212C07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	4-06-001-41	85,014.4	1.22	235.16	99.48	192.31
NEW HAVEN	T117P0212C07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	4-04-001-62	71,537.8	31.39	31.39	0.00	1
NEW HAVEN	T117P0088C06566	918711	GULF OIL L.P.	4-06-001-41	592,866.0	34.13	1,714.18	98.01	50.23
NEW HAVEN	T117P0088C06566	918711	GULF OIL L.P.	4-04-001-11	418,544.4	18.57	18.57	0.00	1
NEW HAVEN	T117P0088C06566	918711	GULF OIL L.P.	4-04-001-10	313,939.5	7.26	7.26	0.00	1
Statewide Bulk Terminal and Bulk Plant Total					**3,557,966.1**	**206.74**	**6,916.22**		

Table H-9: Connecticut Nonpoint Estimate (Facilites Missing from Reported 2017 Point Data) Associated with SCC 25-01-050-120 Based on EPA's Bulk Terminal SCC Crosswalk

County	Town	Premises	Site Name	Year of Data ‡	Annual VOC Emissions [TPY]	Summer Day VOC Emissions [lb/day] ‡
Fairfield	15	149	GLOBAL COMPANIES, LLC	2016 GPLPE Total	0.8	5.2
Hartford	207	9	BUCKEYE PIPE LINE HOLDINGS	2005	1.94	12.7
Hartford	155	4	CITGO PETROLEUM CORP	2014	21.58	140.7
Hartford Total					23.52	153.4
New Haven	117	35	MAGELLAN ENERGY VENTURES INC	1997	0.07	0.5
New Haven	117	43	LEX ATLANTIC /GATEWAY TERMINAL	2017 GPLPE Total	1.58	10.3
New Haven	117	87	GETTY PETROLEUM MARKETING INC	1996	17.02	111
New Haven	117	781	BUCKEYE PIPE LINE CO	1998	0.3	2
New Haven Total					18.97	123.8
New London	70	6	Buckeye Terminals, LLC	2016 GPLPE Total	6.55	42.7
Statewide Bulk Terminal and Bulk Plant Total					**49.84**	**325.1**

‡Annual 2016 / 2017 VOC emissions reported as part of synthetic minor site wide reporting (GPLPE reporting) were available for three facilities listed above. GPLPE compliance reporting does not require summer day emissions reporting. The above summer day emissions were calculated from point reported data for the facility for the latest available reporting period (year of data indicates the year the data was reported in an emission statement or in facility level compliance report). A factor of 6.521739 times the annual emissions was used and is based on seasonal factor of 30 percent with a 92 day season and a 2000 pound per ton unit of measure conversion factor.

Table H-10: Connecticut Reported 2017 Uncontrolled Solvent Related Point Emission Data by County, EIS Facility Identifier, and Point SCC

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Fairfield	T178P0167C06023	533411	Total Petrochemical and Refining	187143114	4-01-002-01	0	0		
Fairfield	T178P0167C06023	533411	Total Petrochemical and Refining	47431614	4-90-999-98	152.700	152.700	95	20
Fairfield	T178P0167C06023	533411	Total Petrochemical and Refining	47431714	4-90-999-98	152.700	152.700	95	20
Fairfield	T178P0167C06023	533411	Total Petrochemical and Refining	187143014	4-90-999-98	95.000	95.000	95	20
Fairfield	T172P0091C08762	588811	PolyOne Designed Structures and Solutions formerly SPARTECH POLYCAST, INC	48214214	4-02-022-01	0.604	0.604	92.26	12.92
Fairfield	T178P0223C05988	589611	HAMPFORD RESEARCH INC	158330814	4-02-009-30	0	0		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47352514	4-02-024-01	0.431	0.431		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47352614	4-02-024-99	0.795	0.795		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47352414	4-02-024-01	0.412	0.412		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47352014	4-02-024-01	0.025	0.025		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47351914	4-02-024-01	1.751	1.751		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47350314	4-90-999-98	9.270	9.270		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47350114	4-02-024-01	0.422	0.422		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	140179714	4-01-003-99	0.258	0.258		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	140179414	4-02-024-01	0.046	0.046		
Fairfield	T178P0005C00130	642511	SIKORSKY AIRCRAFT CORPORATION	47351714	4-02-024-01	0.521	0.521		
Fairfield	T015P0017C08751	754211	Sprague Operating Resources, LLC formerly MOTIVA ENTERPRISES LLC	140148514	4-90-999-98	0	0		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421414	4-02-019-01	0	0		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421914	4-02-019-01	0	0		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421814	4-02-019-01	2.982	2.982		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421714	4-02-019-01	1.271	1.271		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421514	4-02-019-01	0.952	0.952		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421314	4-02-019-01	3.407	3.407		
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	140165714	4-01-003-99	0.340	0.340	98	50
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	140165514	4-02-019-99	0.003	0.003		

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421614	4-02-019-01	0	0		
Fairfield	T178P0060C04680	14623811	BRIDGEPORT INSULATED WIRE CO	120549114	4-02-015-01	1.690	1.690	97.71	43.67
Fairfield	T178P0060C04680	14623811	BRIDGEPORT INSULATED WIRE CO	140185614	4-02-015-01	0.240	0.240		
Fairfield	T178P0060C04680	14623811	BRIDGEPORT INSULATED WIRE CO	140185714	4-02-009-01	0.060	0.060		
Fairfield	T178P0231C05239	14623911	STRATFORD SCHOOL FOR AVIATION	140185814	4-01-003-07	0.167	0.167		
Fairfield	T178P0231C05239	14623911	STRATFORD SCHOOL FOR AVIATION	120549314	4-02-001-01	0.006	0.006		
Fairfield	T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	187142614	4-01-003-99	0	0		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48400614	4-02-009-12	2.931	2.931		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	177346414	4-02-024-99	0.709	0.709		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48561114	4-02-009-20	8.694	8.694		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48561014	4-02-009-18	0.306	0.306		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48560714	4-02-009-17	0.032	0.032		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48400114	4-90-999-98	1.414	1.414		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48400014	4-02-024-01	0.099	0.099		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48398014	4-02-024-01	0.015	0.015		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48397914	4-02-024-99	0.485	0.485		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48397814	4-02-024-01	0.000	0.000		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	177346614	4-01-002-15	0.576	0.576		
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48560914	4-02-009-22	0.110	0.110		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140175214	4-01-003-99	2.400	2.400		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427014	4-02-018-99	19.727	19.727		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427214	4-02-018-99	13.845	13.845		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427114	4-02-018-99	16.475	16.475		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427414	4-02-018-06	5.103	5.103		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	154638714	4-02-018-05	0	0		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140175514	4-02-018-99	0	0		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140175114	4-90-999-98	1.835	1.835		
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140176314	4-90-999-98	0.785	0.785		

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535314	4-02-024-01	0.007	0.007		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	140164914	4-01-003-03	0	0		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	140165014	4-02-024-99	0.020	0.020		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	140165314	4-02-024-99	0.001	0.001		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	151858214	4-02-024-99	0	0		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	158326614	4-02-024-99	0.004	0.004		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	158326714	4-02-024-99	0.003	0.003		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	180558014	4-02-001-01	0	0		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	187143414	4-90-999-98	0.000	0.000		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535114	4-02-001-01	0.077	0.077		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535414	4-02-024-01	0.005	0.005		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535514	4-02-024-01	0	0		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47536214	4-02-024-01	0.006	0.006		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47536814	4-02-009-01	0.056	0.056		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47537314	4-01-003-07	2.068	2.068		
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535214	4-02-024-99	0	0		
Hartford	T168P0110C04470	2673711	SUPREME LAKE MFG CO	120546714	4-01-002-04	0	0		
Hartford	T097P0225C00197	14622811	MANCHESTER /SANITATION DIV	120541314	4-90-999-98	0.001	0.001		
Hartford	T097P0225C00197	14622811	MANCHESTER /SANITATION DIV	120541514	4-90-999-98	0.268	0.268		
Litchfield	T200P0026C08709	587911	Albea Metal Americas Inc.	158331114	4-02-022-01	0	0		
Litchfield	T200P0026C08709	587911	Albea Metal Americas Inc.	48848014	4-02-025-01	0	0	98	50
Litchfield	T130P0006C01672	845911	KIMBERLY-CLARK CORP	48958814	4-01-003-03	0.027	0.027		
Litchfield	T200P0052C06689	2711411	Braxton Manufacturing Company, Inc.	180556514	4-01-002-23	0	0		
Litchfield	T200P0052C06689	2711411	Braxton Manufacturing Company, Inc.	140189114	4-01-002-04	0	0		
Litchfield	T147P0062C08773	17952511	FJC SERVICES LLC	187144514	4-01-002-05	3.400	3.400		
Litchfield	T147P0062C08773	17952511	FJC SERVICES LLC	187144414	4-01-002-05	2.545	2.545		
Litchfield	T147P0062C08773	17952511	FJC SERVICES LLC	187144214	4-01-002-05	0.229	0.229		
Litchfield	T147P0062C08773	17952511	FJC SERVICES LLC	187144314	4-01-002-05	4.024	4.024		

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	140160714	4-02-024-01	0.024	0.024		
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48691814	4-02-025-01	2.876	2.876		
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48692714	4-02-009-18	0	0		
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48742914	4-02-024-01	0.034	0.034		
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48743014	4-02-009-01	2.611	2.611		
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48744414	4-02-024-01	0.080	0.080		
Middlesex	T043P0005C08483	2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	148290714	4-90-999-98	28.570	28.570		
Middlesex	T043P0005C08483	2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	48745914	4-90-999-98	1.656	1.656		
New Haven	T117P0053C07461	555511	MOTIVA ENTERPRISES LLC	48179214	4-90-999-98	1.940	1.940		
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	177346714	4-02-009-10	2.735	2.735		
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	48171614	4-02-009-14	0.448	0.448		
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	140178414	4-01-002-04	0	0		
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	140178714	4-01-002-54	0	0		
New Haven	T189P0027C08763	658111	Allnex USA, Inc formerly CYTEC INDUSTRIES INC	48565914	4-90-999-98	0.245	0.245		
New Haven	T189P0027C08763	658111	Allnex USA, Inc formerly CYTEC INDUSTRIES INC	48567914	4-90-999-98	1.974	1.974		
New Haven	T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	140169614	4-02-001-01	0	0		
New Haven	T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	120554614	4-01-002-25	5.340	5.340		
New Haven	T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	120554714	4-01-002-25	0	0		
New Haven	T135P0117C05244	14623211	UNITED ALUMINUM CORP	180559914	4-01-002-96	0.425	0.425		
New Haven	T105P0096C03560	17997611	Colonial Coatings Corporation	184791414	4-01-002-05	0.943	0.943		
New London	T199P0003C08003	590111	Millstone Power Station	140173414	4-01-002-96	0	0		
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	140152214	4-02-001-01	0	0		
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	48114814	4-02-001-01	0	0		
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	187145014	4-02-001-01	17.973	17.973		
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	140153314	4-02-007-10	0	0		

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	48259314	4-02-001-01	0	0		
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	177350214	4-01-003-99	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158514	4-02-001-01	2.605	2.605		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	48110914	4-02-009-10	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	48112214	4-02-009-24	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	48110814	4-02-009-20	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158714	4-02-008-01	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158614	4-01-003-05	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158314	4-02-001-01	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158214	4-02-001-01	0.245	0.245		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158114	4-01-003-99	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140158014	4-02-001-01	0	0		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140157814	4-02-001-01	0.040	0.040		
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	140157914	4-02-009-30	0.004	0.004		
New London	T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	151858914	4-01-888-98	1.078	1.078		
New London	T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	177352014	4-01-003-99	0.076	0.076		
Windham	T034P0002C08483	751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	140149214	4-90-999-98	7.290	7.290		
Windham	T034P0002C08483	751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	148291014	4-90-999-98	0.931	0.931		
Windham	T089P0065C07514	2765911	FRITO-LAY INC	48331414	4-01-003-03	0.020	0.020		

Table H-11: Connecticut Reported 2017 Uncontrolled Solvent Related Point Emission Data by EPA's Solvent Crosswalk Nonpoint SCC Description, and Point SCC

Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Uncontrolled Emissions [TPY]
Adhesives and sealants	24-60-600-000	New London	4-02-007-10	0
Degreasing	24-15-000-000	Fairfield	4-01-002-01	0
Degreasing	24-15-000-000	Fairfield	4-01-003-07	0.17
Degreasing	24-15-000-000	Fairfield	4-01-003-99	0.60
Degreasing	24-15-000-000	Hartford	4-01-003-03	0
Degreasing	24-15-000-000	Hartford	4-01-003-07	2.07
Degreasing	24-15-000-000	Hartford	4-01-003-99	2.40
Degreasing	24-15-000-000	Litchfield	4-01-003-03	0.03
Degreasing	24-15-000-000	New London	4-01-003-05	0
Degreasing	24-15-000-000	New London	4-01-003-99	0.08
Degreasing	24-15-000-000	New London	4-01-888-98	1.08
Degreasing	24-15-000-000	Windham	4-01-003-03	0.02
Solvent - Degreasing	24-15-000-000	Hartford	4-01-002-04	0
Solvent - Degreasing	24-15-000-000	Hartford	4-01-002-15	0.58
Solvent - Degreasing	24-15-000-000	Litchfield	4-01-002-04	0
Solvent - Degreasing	24-15-000-000	Litchfield	4-01-002-05	10.20
Solvent - Degreasing	24-15-000-000	Litchfield	4-01-002-23	0
Solvent - Degreasing	24-15-000-000	New Haven	4-01-002-04	0
Solvent - Degreasing	24-15-000-000	New Haven	4-01-002-05	0.94
Solvent - Degreasing	24-15-000-000	New Haven	4-01-002-25	5.34
Solvent - Degreasing	24-15-000-000	New Haven	4-01-002-54	0
Solvent - Degreasing	24-15-000-000	New Haven	4-01-002-96	0.42
Solvent - Degreasing	24-15-000-000	New London	4-01-002-96	0
Solvent - Industrial Surface Coating & Solvent Use	24-01-065-000	Fairfield	4-02-015-01	1.93
Solvent - Industrial Surface Coating & Solvent Use	24-01-020-000	Fairfield	4-02-019-01	8.61
Solvent - Industrial Surface Coating & Solvent Use	24-01-020-000	Fairfield	4-02-019-99	0.00
Solvent - Industrial Surface Coating & Solvent Use	24-01-090-000	Fairfield	4-02-022-01	0.60
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Fairfield	4-02-024-01	3.61
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Fairfield	4-02-024-99	0.79
Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	Hartford	4-02-018-05	0

Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Uncontrolled Emissions [TPY]
Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	Hartford	4-02-018-06	5.10
Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	Hartford	4-02-018-99	50.05
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Hartford	4-02-024-01	0.13
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Hartford	4-02-024-99	1.22
Solvent - Industrial Surface Coating & Solvent Use	24-01-090-000	Litchfield	4-02-022-01	0
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Middlesex	4-02-024-01	0.14
Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	New London	4-02-008-01	0
Surface Coating - Machinery and Equipment: SIC 35	24-01-055-000	Litchfield	4-02-025-01	0
Surface Coating - Machinery and Equipment: SIC 35	24-01-055-000	Middlesex	4-02-025-01	2.88
Surface Coating: Misc. Manufacturing	24-01-090-000	Fairfield	4-02-001-01	0.01
Surface Coating: Misc. Manufacturing	24-01-090-000	Fairfield	4-02-009-01	0.06
Surface Coating: Misc. Manufacturing	24-01-090-000	Fairfield	4-02-009-30	0
Surface Coating: Misc. Manufacturing	24-01-090-000	Fairfield	4-90-999-98	409.67
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-001-01	0.08
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-01	0.06
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-12	2.93
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-17	0.03
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-18	0.31
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-20	8.69
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-22	0.11
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	4-90-999-98	4.30
Surface Coating: Misc. Manufacturing	24-01-090-000	Middlesex	4-02-009-01	2.61
Surface Coating: Misc. Manufacturing	24-01-090-000	Middlesex	4-02-009-18	0
Surface Coating: Misc. Manufacturing	24-01-090-000	Middlesex	4-90-999-98	30.23
Surface Coating: Misc. Manufacturing	24-01-090-000	New Haven	4-02-001-01	0
Surface Coating: Misc. Manufacturing	24-01-090-000	New Haven	4-02-009-10	2.74
Surface Coating: Misc. Manufacturing	24-01-090-000	New Haven	4-02-009-14	0.45
Surface Coating: Misc. Manufacturing	24-01-090-000	New Haven	4-90-999-98	4.16
Surface Coating: Misc. Manufacturing	24-01-090-000	New London	4-02-001-01	20.86
Surface Coating: Misc. Manufacturing	24-01-090-000	New London	4-02-009-10	0
Surface Coating: Misc. Manufacturing	24-01-090-000	New London	4-02-009-20	0

Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Uncontrolled Emissions [TPY]
Surface Coating: Misc. Manufacturing	24-01-090-000	New London	4-02-009-24	0
Surface Coating: Misc. Manufacturing	24-01-090-000	New London	4-02-009-30	0.00
Surface Coating: Misc. Manufacturing	24-01-090-000	Windham	4-90-999-98	8.22

Table H-12: Connecticut Reported 2017 Uncontrolled Solvent Related Point Emission Data by EPA's Solvent Crosswalk Nonpoint SCC Description and County

Nonpoint SCC Description	Nonpoint SCC	County	Sum of Uncontrolled Emissions [TPY]
Adhesives and sealants	24-60-600-000	New London	0
Degreasing	24-15-000-000	Fairfield	0.77
Degreasing	24-15-000-000	Hartford	4.47
Degreasing	24-15-000-000	Litchfield	0.03
Degreasing	24-15-000-000	New London	1.15
Degreasing	24-15-000-000	Windham	0.02
Solvent - Degreasing	24-15-000-000	Hartford	0.58
Solvent - Degreasing	24-15-000-000	Litchfield	10.20
Solvent - Degreasing	24-15-000-000	New Haven	6.71
Solvent - Degreasing	24-15-000-000	New London	0
Solvent - Industrial Surface Coating & Solvent Use	24-01-090-000	Fairfield	0.60
Solvent - Industrial Surface Coating & Solvent Use	24-01-020-000	Fairfield	8.61
Solvent - Industrial Surface Coating & Solvent Use	24-01-065-000	Fairfield	1.93
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Fairfield	4.40
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Hartford	1.35
Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	Hartford	55.15
Solvent - Industrial Surface Coating & Solvent Use	24-01-090-000	Litchfield	0
Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Middlesex	0.14
Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	New London	0
Surface Coating - Machinery and Equipment: SIC 35	24-01-055-000	Litchfield	0
Surface Coating - Machinery and Equipment: SIC 35	24-01-055-000	Middlesex	2.88
Surface Coating: Misc. Manufacturing	24-01-090-000	Fairfield	409.74
Surface Coating: Misc. Manufacturing	24-01-090-000	Hartford	16.51
Surface Coating: Misc. Manufacturing	24-01-090-000	Middlesex	32.84
Surface Coating: Misc. Manufacturing	24-01-090-000	New Haven	7.34
Surface Coating: Misc. Manufacturing	24-01-090-000	New London	20.87
Surface Coating: Misc. Manufacturing	24-01-090-000	Windham	8.22

Table H-13: Industrial Processes - Oil and Gas Exploration and Production SCCs

Source Classification Code	Description	
	SCC Level Three	SCC Level Four
23-10-000-220	All Processes	Drill Rigs
23-10-000-551	All Processes	Produced Water from CBM Wells
23-10-000-552	All Processes	Produced Water from Gas Wells
23-10-000-553	All Processes	Produced Water from Oil Wells
23-10-000-660	All Processes	Hydraulic Fracturing Engines
23-10-010-100	Crude Petroleum	Oil Well Heaters
23-10-010-200	Crude Petroleum	Oil Well Tanks - Flashing & Standing/Working/Breathing
23-10-010-300	Crude Petroleum	Oil Well Pneumatic Devices
23-10-011-001	On-Shore Oil Production	Associated Gas Venting
23-10-011-201	On-Shore Oil Production	Tank Truck/Railcar Loading: Crude Oil
23-10-011-501	On-Shore Oil Production	Fugitives: Connectors
23-10-011-502	On-Shore Oil Production	Fugitives: Flanges
23-10-011-503	On-Shore Oil Production	Fugitives: Open Ended Lines
23-10-011-505	On-Shore Oil Production	Fugitives: Valves
23-10-011-600	On-Shore Oil Production	Artificial Lift Engines
23-10-021-010	On-Shore Gas Production	Storage Tanks: Condensate
23-10-021-030	On-Shore Gas Production	Tank Truck/Railcar Loading: Condensate
23-10-021-100	On-Shore Gas Production	Gas Well Heaters
23-10-021-102	On-Shore Gas Production	Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-021-202	On-Shore Gas Production	Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-021-251	On-Shore Gas Production	Lateral Compressors 4 Cycle Lean Burn
23-10-021-300	On-Shore Gas Production	Gas Well Pneumatic Devices
23-10-021-302	On-Shore Gas Production	Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
23-10-021-351	On-Shore Gas Production	Lateral Compressors 4 Cycle Rich Burn
23-10-021-400	On-Shore Gas Production	Gas Well Dehydrators
23-10-021-501	On-Shore Gas Production	Fugitives: Connectors
23-10-021-502	On-Shore Gas Production	Fugitives: Flanges
23-10-021-503	On-Shore Gas Production	Fugitives: Open Ended Lines
23-10-021-505	On-Shore Gas Production	Fugitives: Valves
23-10-021-506	On-Shore Gas Production	Fugitives: Other
23-10-021-603	On-Shore Gas Production	Gas Well Venting - Blowdowns
23-10-023-102	Coal Bed Methane Natural Gas	CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Source Classification Code	Description	
	SCC Level Three	SCC Level Four
23-10-023-202	Coal Bed Methane Natural Gas	CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-023-300	Coal Bed Methane Natural Gas	Pneumatic Devices
23-10-023-302	Coal Bed Methane Natural Gas	CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
23-10-023-310	Coal Bed Methane Natural Gas	Pneumatic Pumps
23-10-023-511	Coal Bed Methane Natural Gas	Fugitives: Connectors
23-10-023-512	Coal Bed Methane Natural Gas	Fugitives: Flanges
23-10-023-513	Coal Bed Methane Natural Gas	Fugitives: Open Ended Lines
23-10-023-515	Coal Bed Methane Natural Gas	Fugitives: Valves
23-10-023-516	Coal Bed Methane Natural Gas	Fugitives: Other
23-10-023-600	Coal Bed Methane Natural Gas	CBM Well Completion: All Processes
23-10-111-100	On-Shore Oil Exploration	Mud Degassing
23-10-111-401	On-Shore Oil Exploration	Oil Well Pneumatic Pumps
23-10-111-700	On-Shore Oil Exploration	Oil Well Completion: All Processes
23-10-121-100	On-Shore Gas Exploration	Mud Degassing
23-10-121-401	On-Shore Gas Exploration	Gas Well Pneumatic Pumps
23-10-121-700	On-Shore Gas Exploration	Gas Well Completion: All Processes

Appendix IArea Sources

Table I-1: Annual Emissions of Area Sources by SCC

Subpart 4.1.2.1: ICI Coal Combustion

SCC: 2102001000 Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2102002000 Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2103001000 Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2103002000 Stationary Source Fuel Combustion - Commercial/Institutional - Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.1.2.2: ICI Distillate Oil Combustion

SCC: 2102004001 Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	5	1.2	0.6	0.4	0.2	0	0.0004
Hartford	0.1	7.5	1.9	0.9	0.6	0.3	0	0.0006
Litchfield	0	1.4	0.3	0.2	0.1	0.1	0	0.0001
Middlesex	0	1.3	0.3	0.2	0.1	0.1	0	0.0001
New Haven	0	4.7	1.2	0.5	0.4	0.2	0	0.0004
New London	0	1.9	0.5	0.2	0.1	0.1	0	0.0001
Tolland	0	0.6	0.1	0.1	0	0	0	0
Windham	0	0.7	0.2	0.1	0.1	0	0	0.0001
SCC State Total	**0.1**	**23.1**	**5.7**	**2.8**	**1.8**	**1**	**0**	**0.0018**

SCC: 2102004002 Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.2	16.7	3.6	1.2	1.1	0	1.1	0
Hartford	1.7	25.2	5.4	1.8	1.7	0	1.7	0
Litchfield	0.3	4.7	1	0.3	0.3	0	0.3	0
Middlesex	0.3	4.5	1	0.3	0.3	0	0.3	0
New Haven	1.1	15.8	3.4	1.1	1.1	0	1	0
New London	0.4	6.2	1.3	0.4	0.4	0	0.4	0
Tolland	0.1	1.9	0.4	0.1	0.1	0	0.1	0
Windham	0.2	2.4	0.5	0.2	0.2	0	0.2	0
SCC State Total	**5.3**	**77.4**	**16.6**	**5.4**	**5.2**	**0**	**5.1**	**0**

SCC: 2103004001 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.6	94.7	23.7	11.3	10.1	3.8	0.5	0.0058
Hartford	1.6	95.6	23.9	11.4	10.2	3.8	0.5	0.0059
Litchfield	0.2	9.9	2.5	1.2	1.1	0.4	0	0.0006
Middlesex	0.2	12.6	3.1	1.5	1.3	0.5	0.1	0.0008
New Haven	1.3	73.7	18.4	8.8	7.8	2.9	0.4	0.0045
New London	0.4	21.8	5.4	2.6	2.3	0.9	0.1	0.0013
Tolland	0.1	5.7	1.4	0.7	0.6	0.2	0	0.0003
Windham	0.1	6	1.5	0.7	0.6	0.2	0	0.0004
SCC State Total	**5.5**	**320**	**79.9**	**38.2**	**34**	**12.7**	**1.6**	**0.0196**

SCC: 2103004002 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	10.5	150.5	32.4	10.8	10.8	0.2	9.9	0
Hartford	10.6	152	32.7	10.9	10.9	0.2	10	0
Litchfield	1.1	15.7	3.4	1.1	1.1	0	1	0
Middlesex	1.4	20	4.3	1.4	1.4	0	1.3	0
New Haven	8.1	117.1	25.2	8.4	8.4	0.2	7.7	0
New London	2.4	34.6	7.4	2.5	2.5	0	2.3	0
Tolland	0.6	9	1.9	0.7	0.7	0	0.6	0
Windham	0.7	9.5	2	0.7	0.7	0	0.6	0
SCC State Total	**35.4**	**508.4**	**109.3**	**36.5**	**36.5**	**0.6**	**33.4**	**0**

Subpart 4.1.2.3: ICI Residual Oil Combustion

SCC: 2102005000 Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0.5	0	0.1	0.1	0	1.4	0
Hartford	0	0.8	0.1	0.2	0.1	0	2.1	0
Litchfield	0	0.1	0	0	0	0	0.4	0
Middlesex	0	0.1	0	0	0	0	0.4	0
New Haven	0	0.5	0	0.1	0.1	0	1.4	0
New London	0	0.2	0	0	0	0	0.5	0
Tolland	0	0.1	0	0	0	0	0.2	0
Windham	0	0.1	0	0	0	0	0.2	0
SCC State Total	**0**	**2.4**	**0.1**	**0.4**	**0.3**	**0**	**6.6**	**0**

SCC: 2103005000 Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.2	11.7	1.1	2.6	1.8	0.2	33.4	0.0003
Hartford	0.2	11.8	1.1	2.6	1.8	0.2	33.8	0.0003
Litchfield	0	1.2	0.1	0.3	0.2	0	3.5	0
Middlesex	0	1.6	0.1	0.3	0.2	0	4.4	0
New Haven	0.2	9.1	0.8	2	1.4	0.1	26	0.0002
New London	0.1	2.7	0.2	0.6	0.4	0	7.7	0.0001
Tolland	0	0.7	0.1	0.2	0.1	0	2	0
Windham	0	0.7	0.1	0.2	0.1	0	2.1	0
SCC State Total	**0.7**	**39.5**	**3.6**	**8.8**	**6**	**0.5**	**112.9**	**0.0009**

Subpart 4.1.2.4: ICI Natural Gas Combustion

SCC: 2102006000 Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Industrial Boilers, ICEs - Natural Gas

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	9.3	169.7	142.6	0.9	0.7	5.4	1	0.0008
Hartford	14.1	256.4	215.4	1.3	1.1	8.2	1.5	0.0013
Middlesex	2.5	45.8	38.4	0.2	0.2	1.5	0.3	0.0002
New Haven	8.9	161.4	135.6	0.8	0.7	5.2	1	0.0008
New London	3.5	63.4	53.2	0.3	0.3	2	0.4	0.0003
Tolland	1.1	19.5	16.3	0.1	0.1	0.6	0.1	0.0001
Windham	1.3	24.4	20.5	0.1	0.1	0.8	0.1	0.0001
SCC State Total	**43.3**	**788.2**	**662**	**3.9**	**3.4**	**25.2**	**4.7**	**0.0038**

SCC: 2103006000 Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Comm/Institutional - Natural Gas

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	37.8	687	577.1	3.6	3	3.4	4.1	0.0034
Hartford	38.2	693.9	582.9	3.6	3	3.4	4.2	0.0035
Litchfield	3.9	71.6	60.2	0.4	0.3	0.4	0.4	0.0004
Middlesex	5	91.2	76.6	0.5	0.4	0.4	0.5	0.0005
New Haven	29.4	534.6	449.1	2.8	2.3	2.6	3.2	0.0027
New London	8.7	157.9	132.7	0.8	0.7	0.8	0.9	0.0008
Tolland	2.3	41.3	34.7	0.2	0.2	0.2	0.2	0.0002
Windham	2.4	43.2	36.3	0.2	0.2	0.2	0.3	0.0002
SCC State Total	**127.7**	**2320.7**	**1949.6**	**12.1**	**10.1**	**11.4**	**13.8**	**0.0117**

Subpart 4.1.2.5: ICI LPG Combustion

SCC: 2102007000 Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Other

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0.6	0.4	0	0	0	0	0
Hartford	0	0.9	0.5	0	0	0	0	0
Litchfield	0	0.2	0.1	0	0	0	0	0
Middlesex	0	0.2	0.1	0	0	0	0	0
New Haven	0	0.6	0.3	0	0	0	0	0
New London	0	0.2	0.1	0	0	0	0	0
Tolland	0	0.1	0	0	0	0	0	0
Windham	0	0.1	0.1	0	0	0	0	0
SCC State Total	**0**	**2.9**	**1.6**	**0**	**0**	**0**	**0**	**0**

SCC: 2103007000 Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Other

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.3	64	35.9	0.2	0.2	0.2	0.3	0.0002
Hartford	2.4	64.7	36.2	0.2	0.2	0.2	0.3	0.0002
Litchfield	0.2	6.7	3.7	0	0	0	0	0
Middlesex	0.3	8.5	4.8	0	0	0	0	0
New Haven	1.8	49.8	27.9	0.2	0.1	0.2	0.2	0.0002
New London	0.5	14.7	8.2	0.1	0	0.1	0.1	0
Tolland	0.1	3.8	2.2	0	0	0	0	0
Windham	0.1	4	2.3	0	0	0	0	0
SCC State Total	**7.7**	**216.2**	**121.2**	**0.7**	**0.5**	**0.7**	**0.9**	**0.0006**

Subpart 4.1.2.6: ICI Wood Combustion

Document Section: 4.1.2.6 Fuel Combustion Industrial, Commercial and Institutional Wood

SCC: 2102008000 Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Biomass

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	7.7	99.4	271	233.5	201.9	3.2	11.3	0
Hartford	11.6	150.1	409.4	352.8	305	4.8	17.1	0
Litchfield	2.2	27.9	76	65.5	56.6	0.9	3.2	0
Middlesex	2.1	26.8	73.1	62.9	54.4	0.9	3	0
New Haven	7.3	94.5	257.7	222	192	3	10.7	0
New London	2.9	37.1	101.2	87.2	75.4	1.2	4.2	0
Tolland	0.9	11.4	31.1	26.8	23.1	0.4	1.3	0
Windham	1.1	14.3	39	33.6	29.1	0.5	1.6	0
SCC State Total	**35.8**	**461.5**	**1258.5**	**1084.3**	**937.5**	**14.9**	**52.4**	**0**

SCC: 2103008000 Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Biomass

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.3	29.4	80.1	69	59.7	0.7	3.3	0
Hartford	2.3	29.7	80.9	69.7	60.3	0.7	3.4	0
Litchfield	0.2	3.1	8.3	7.2	6.2	0.1	0.3	0
Middlesex	0.3	3.9	10.6	9.2	7.9	0.1	0.4	0
New Haven	1.8	22.9	62.3	53.7	46.4	0.5	2.6	0
New London	0.5	6.8	18.4	15.9	13.7	0.2	0.8	0
Tolland	0.1	1.8	4.8	4.1	3.6	0	0.2	0
Windham	0.1	1.8	5	4.3	3.8	0	0.2	0
SCC State Total	**7.6**	**99.4**	**270.4**	**233.1**	**201.6**	**2.3**	**11.2**	**0**

Subpart 4.1.2.7: ICI Kerosene Combustion

SCC: 2102011000 Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	3.4	0.9	0.4	0.3	0.1	1	0.0002
Hartford	0.1	5.1	1.3	0.6	0.4	0.2	1.5	0.0003
Litchfield	0	1	0.2	0.1	0.1	0	0.3	0.0001
Middlesex	0	0.9	0.2	0.1	0.1	0	0.3	0.0001
New Haven	0	3.2	0.8	0.4	0.2	0.1	1	0.0002
New London	0	1.3	0.3	0.1	0.1	0.1	0.4	0.0001
Tolland	0	0.4	0.1	0	0	0	0.1	0
Windham	0	0.5	0.1	0.1	0	0	0.1	0
SCC State Total	**0.1**	**15.8**	**3.9**	**1.8**	**1.2**	**0.5**	**4.7**	**0.001**

SCC: 2103011000 Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0.5	0.1	0.1	0.1	0	0	0
Hartford	0	0.5	0.1	0.1	0.1	0	0	0
Litchfield	0	0.1	0	0	0	0	0	0
Middlesex	0	0.1	0	0	0	0	0	0
New Haven	0	0.4	0.1	0	0	0	0	0
New London	0	0.1	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**1.7**	**0.3**	**0.2**	**0.2**	**0**	**0**	**0**

Subpart 4.1.3.1: Residential Coal Combustion

SCC: 2104001000 Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2104002000 Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.1.3.2: Residential Distillate Oil Combustion

SCC: 2104004000 Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	27.6	647.8	193.5	92.1	82.4	38.7	274.8	0.0489
Hartford	23.9	561.8	167.8	79.9	71.5	33.6	238.3	0.0424
Litchfield	8.5	198.7	59.4	28.3	25.3	11.9	84.3	0.015
Middlesex	7.8	182.6	54.5	26	23.2	10.9	77.4	0.0138
New Haven	26.2	615.4	183.8	87.5	78.3	36.8	261	0.0465
New London	12.2	285.8	85.4	40.6	36.4	17.1	121.2	0.0216
Tolland	6.4	149.3	44.6	21.2	19	8.9	63.3	0.0113
Windham	5.3	125.2	37.4	17.8	15.9	7.5	53.1	0.0095
SCC State Total	**117.9**	**2766.6**	**826.4**	**393.4**	**352**	**165.4**	**1173.4**	**0.209**

Subpart 4.1.3.3: Residential Residual Oil Combustion – N/A SCC 21-04-005-000 retired and not replaced.

Subpart 4.1.3.4: Residential Natural Gas Combustion

SCC: 2104006000 Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types

Sector: Fuel Comb - Residential - Natural Gas

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	37.8	645.7	274.8	3.6	3	137.4	4.1	0
Hartford	46.2	789.7	336.1	4.4	3.6	168	5	0
Litchfield	3.3	55.8	23.7	0.3	0.3	11.9	0.4	0
Middlesex	2.7	46	19.6	0.3	0.2	9.8	0.3	0
New Haven	35.8	611.5	260.2	3.4	2.8	130.1	3.9	0
New London	4.3	72.8	31	0.4	0.3	15.5	0.5	0
Tolland	1.9	32	13.6	0.2	0.1	6.8	0.2	0
Windham	1.3	22.7	9.7	0.1	0.1	4.8	0.1	0
SCC State Total	**133.3**	**2276.2**	**968.7**	**12.7**	**10.4**	**484.3**	**14.5**	**0**

Subpart 4.1.3.5: Residential LPG Combustion

SCC: 2104007000 Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	4.3	109.3	31	0.4	0.3	0.4	0.5	0
Hartford	4	104	29.5	0.4	0.3	0.4	0.4	0
Litchfield	1.7	44.9	12.7	0.2	0.1	0.2	0.2	0
Middlesex	1.7	43.6	12.4	0.2	0.1	0.2	0.2	0
New Haven	3.5	90.6	25.7	0.3	0.3	0.3	0.4	0
New London	2.4	60.4	17.1	0.2	0.2	0.2	0.3	0
Tolland	1.5	37.2	10.6	0.1	0.1	0.1	0.2	0
SCC State Total	**20**	**512.2**	**145.3**	**1.9**	**1.5**	**1.9**	**2.3**	**0**

Subpart 4.1.3.6: Residential Wood Combustion

SCC: 2104008100 Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	73.9	10.2	582.5	92.3	92.3	7	1.6	0
Hartford	90.8	12.5	716.2	113.4	113.4	8.7	1.9	0
Litchfield	28.6	3.9	225.7	35.7	35.7	2.7	0.6	0
Middlesex	18	2.5	141.6	22.4	22.4	1.7	0.4	0
New Haven	66.4	9.1	523.1	82.9	82.9	6.3	1.4	0
New London	26.8	3.7	211.2	33.5	33.5	2.6	0.6	0
Tolland	18	2.5	141.6	22.4	22.4	1.7	0.4	0
Windham	15.1	2.1	118.9	18.8	18.8	1.4	0.3	0
SCC State Total	**337.6**	**46.5**	**2660.8**	**421.4**	**421.4**	**32.1**	**7.2**	**0**

SCC: 2104008210 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	45.2	2.4	196.9	26.1	26.1	1.5	0.3	0
Hartford	47.9	2.5	208.4	27.6	27.6	1.5	0.4	0
Litchfield	25.5	1.3	110.8	14.7	14.7	0.8	0.2	0
Middlesex	16.1	0.9	70.1	9.3	9.3	0.5	0.1	0
New Haven	40.3	2.1	175.3	23.2	23.2	1.3	0.3	0
New London	23	1.2	100.4	13.3	13.3	0.7	0.2	0
Tolland	17.1	0.9	74.5	9.9	9.9	0.5	0.1	0
Windham	14.2	0.8	61.9	8.2	8.2	0.5	0.1	0
SCC State Total	**229.3**	**12.1**	**998.3**	**132.3**	**132.3**	**7.3**	**1.7**	**0**

SCC: 2104008220 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	23.7	4.5	326.9	23.4	23.4	1.8	0.8	0
Hartford	25.1	4.8	346	24.7	24.7	1.9	0.8	0
Litchfield	13.3	2.5	184	13.1	13.1	1	0.4	0
Middlesex	8.4	1.6	116.4	8.3	8.3	0.6	0.3	0
New Haven	21.1	4	291	20.8	20.8	1.6	0.7	0
New London	12.1	2.3	166.6	11.9	11.9	0.9	0.4	0
Tolland	9	1.7	123.7	8.8	8.8	0.7	0.3	0
Windham	7.4	1.4	102.7	7.3	7.3	0.6	0.2	0
SCC State Total	**120.1**	**22.8**	**1657.3**	**118.3**	**118.3**	**9.1**	**3.9**	**0**

SCC: 2104008230 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	20.3	2.7	167.4	17.6	17.6	1.2	0.5	0
Hartford	21.4	2.9	177.1	18.7	18.7	1.3	0.6	0
Litchfield	11.4	1.5	94.2	9.9	9.9	0.7	0.3	0
Middlesex	7.2	1	59.6	6.3	6.3	0.4	0.2	0
New Haven	18	2.4	149	15.7	15.7	1.1	0.5	0
New London	10.3	1.4	85.3	9	9	0.6	0.3	0
Tolland	7.7	1	63.3	6.7	6.7	0.5	0.2	0
Windham	6.4	0.8	52.6	5.5	5.5	0.4	0.2	0
SCC State Total	**102.7**	**13.7**	**848.5**	**89.4**	**89.4**	**6.2**	**2.8**	**0**

SCC: 2104008310 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	105.8	5.6	460.9	61.1	61.1	3.4	0.8	0
Hartford	103.8	5.5	452.1	59.9	59.9	3.3	0.8	0
Litchfield	76.9	4.1	335.1	44.4	44.4	2.5	0.6	0
Middlesex	44.2	2.3	192.5	25.5	25.5	1.4	0.3	0
New Haven	95	5	413.5	54.8	54.8	3	0.7	0
New London	68.6	3.6	298.6	39.6	39.6	2.2	0.5	0
Tolland	45.9	2.4	200	26.5	26.5	1.5	0.3	0
Windham	42.6	2.2	185.5	24.6	24.6	1.4	0.3	0
SCC State Total	**582.8**	**30.7**	**2538.2**	**336.4**	**336.4**	**18.7**	**4.3**	**0**

SCC: 2104008320 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	55.4	10.5	765	54.7	54.7	4.2	1.8	0
Hartford	54.3	10.3	750.6	53.6	53.6	4.1	1.8	0
Litchfield	40.3	7.7	556.2	39.7	39.7	3	1.3	0
Middlesex	23.1	4.4	319.5	22.8	22.8	1.7	0.8	0
New Haven	49.7	9.4	686.5	49	49	3.7	1.7	0
New London	35.9	6.8	495.6	35.4	35.4	2.7	1.2	0
Tolland	24	4.6	331.9	23.7	23.7	1.8	0.8	0
Windham	22.3	4.2	307.9	22	22	1.7	0.7	0
SCC State Total	**305**	**57.9**	**4213.2**	**300.9**	**300.9**	**22.9**	**10.1**	**0**

SCC: 2104008330 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	47.4	6.3	391.7	41.2	41.2	2.8	1.3	0
Hartford	46.5	6.2	384.2	40.5	40.5	2.8	1.2	0
Litchfield	34.5	4.6	284.7	30	30	2.1	0.9	0
Middlesex	19.8	2.6	163.5	17.2	17.2	1.2	0.5	0
New Haven	42.6	5.7	351.4	37	37	2.6	1.1	0
New London	30.7	4.1	253.7	26.7	26.7	1.8	0.8	0
Tolland	20.6	2.7	169.9	17.9	17.9	1.2	0.5	0
Windham	19.1	2.5	157.6	16.6	16.6	1.1	0.5	0
SCC State Total	**261.2**	**34.7**	**2156.7**	**227.1**	**227.1**	**15.6**	**6.8**	**0**

SCC: 2104008400 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	6.8	11.7	48.8	9.4	9.4	0.9	1	0
Hartford	6.2	10.6	44.5	8.6	8.6	0.8	0.9	0
Litchfield	3	5.1	21.4	4.1	4.1	0.4	0.4	0
Middlesex	1.6	2.8	11.9	2.3	2.3	0.2	0.2	0
New Haven	5.7	9.9	41.6	8	8	0.8	0.8	0
New London	2.4	4.2	17.5	3.4	3.4	0.3	0.4	0
Tolland	1.8	3.2	13.3	2.6	2.6	0.3	0.3	0
Windham	1.5	2.6	11	2.1	2.1	0.2	0.2	0
SCC State Total	**29**	**50.1**	**210**	**40.5**	**40.5**	**3.9**	**4.2**	**0**

SCC: 2104008510 Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	10	1.5	156.7	23.5	23.5	1.5	1.7	0
Hartford	13.2	2	207.8	31.2	31.2	2	2.3	0
Litchfield	17.1	2.6	269.5	40.4	40.4	2.6	3	0
Middlesex	8.1	1.2	127.6	19.1	19.1	1.2	1.4	0
New Haven	8.5	1.3	133.2	20	20	1.3	1.5	0
New London	12.4	1.9	194.9	29.2	29.2	1.9	2.2	0
Tolland	9.2	1.4	144.9	21.7	21.7	1.4	1.6	0
Windham	8.4	1.3	131.8	19.8	19.8	1.3	1.5	0
SCC State Total	**86.9**	**13.2**	**1366.4**	**204.9**	**204.9**	**13.2**	**15.2**	**0**

SCC: 2104008530 Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, pellet-fired, general

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.9	3.2	13.5	2.6	2.6	0.3	0.3	0
Hartford	2.5	4.3	18	3.5	3.5	0.3	0.4	0
Litchfield	3.2	5.6	23.3	4.5	4.5	0.4	0.5	0
Middlesex	1.5	2.6	11	2.1	2.1	0.2	0.2	0
New Haven	1.6	2.7	11.5	2.2	2.2	0.2	0.2	0
New London	2.3	4	16.8	3.2	3.2	0.3	0.3	0
Tolland	1.7	3	12.5	2.4	2.4	0.2	0.3	0
Windham	1.6	2.7	11.4	2.2	2.2	0.2	0.2	0
SCC State Total	**16.3**	**28.1**	**118**	**22.7**	**22.7**	**2.1**	**2.4**	**0**

SCC: 2104008610 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	55.8	1.7	298.2	53	53	1.4	1.7	0
Hartford	74.1	2.2	395.6	70.3	70.3	1.9	2.2	0
Litchfield	96.1	2.9	513	91.2	91.2	2.4	2.9	0
Middlesex	45.5	1.3	243	43.2	43.2	1.1	1.4	0
New Haven	47.5	1.4	253.5	45.1	45.1	1.2	1.4	0
New London	69.5	2.1	371.1	66	66	1.8	2.1	0
Tolland	51.6	1.5	275.8	49	49	1.3	1.6	0
Windham	47	1.4	250.9	44.6	44.6	1.2	1.4	0
SCC State Total	**487.1**	**14.5**	**2601.1**	**462.4**	**462.4**	**12.3**	**14.7**	**0**

SCC: 2104008620 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: indoor

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	35.7	1.1	190.5	33.9	33.9	0.9	1.1	0
Hartford	47.3	1.4	252.7	44.9	44.9	1.2	1.4	0
Litchfield	61.4	1.8	327.8	58.3	58.3	1.5	1.8	0
Middlesex	29.1	0.9	155.2	27.6	27.6	0.7	0.9	0
New Haven	30.3	0.9	161.9	28.8	28.8	0.8	0.9	0
New London	44.4	1.3	237.1	42.1	42.1	1.1	1.3	0
Tolland	33	1	176.2	31.3	31.3	0.8	1	0
Windham	30	0.9	160.3	28.5	28.5	0.8	0.9	0
SCC State Total	**311.2**	**9.3**	**1661.7**	**295.4**	**295.4**	**7.8**	**9.3**	**0**

SCC: 2104008630 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: pellet-fired

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0.1	0.4	0.1	0.1	0	0	0
Hartford	0.1	0.1	0.5	0.1	0.1	0	0	0
Litchfield	0.1	0.2	0.6	0.1	0.1	0	0	0
Middlesex	0	0.1	0.3	0.1	0.1	0	0	0
New Haven	0	0.1	0.3	0.1	0.1	0	0	0
New London	0.1	0.1	0.5	0.1	0.1	0	0	0
Tolland	0	0.1	0.3	0.1	0.1	0	0	0
Windham	0	0.1	0.3	0.1	0.1	0	0	0
SCC State Total	**0.4**	**0.9**	**3.2**	**0.8**	**0.8**	**0**	**0**	**0**

SCC: 2104008700 Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	103.4	14.2	815	129.1	129.1	9.8	2.2	0
Hartford	97.7	13.4	769.9	121.9	121.9	9.3	2.1	0
Litchfield	30.8	4.2	242.6	38.4	38.4	2.9	0.7	0
Middlesex	24	3.3	189.3	30	30	2.3	0.5	0
New Haven	90.4	12.4	712.5	112.9	112.9	8.6	1.9	0
New London	36	5	283.7	44.9	44.9	3.4	0.8	0
Tolland	20.6	2.8	162.7	25.8	25.8	2	0.4	0
Windham	16.7	2.3	131.9	20.9	20.9	1.6	0.4	0
SCC State Total	**419.6**	**57.6**	**3307.6**	**523.9**	**523.9**	**39.9**	**9**	**0**

SCC: 2104009000 Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	57.7	11.2	182.6	42.8	41.4	0	0	0
Hartford	116.8	22.7	369.3	86.6	83.8	0	0	0
Litchfield	12.8	2.5	40.3	9.5	9.2	0	0	0
Middlesex	32.3	6.3	102	23.9	23.2	0	0	0
New Haven	56	10.9	177	41.5	40.2	0	0	0
New London	18.3	3.6	58	13.6	13.2	0	0	0
Tolland	26.6	5.2	84.1	19.7	19.1	0	0	0
Windham	7.6	1.5	24.1	5.6	5.5	0	0	0
SCC State Total	**328.1**	**63.9**	**1037.4**	**243.2**	**235.6**	**0**	**0**	**0**

Subpart 4.1.3.7: Residential Kerosene Combustion

SCC: 2104011000 Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	1.1	0.3	0.1	0.1	0.1	0	0.0001
Hartford	0	1	0.3	0.1	0.1	0.1	0	0.0001
Litchfield	0	0.3	0.1	0	0	0	0	0
Middlesex	0	0.3	0.1	0	0	0	0	0
New Haven	0	1.1	0.3	0.1	0.1	0.1	0	0.0001
New London	0	0.5	0.1	0.1	0.1	0	0	0
Tolland	0	0.3	0.1	0	0	0	0	0
Windham	0	0.2	0.1	0	0	0	0	0
SCC State Total	**0**	**4.8**	**1.4**	**0.4**	**0.4**	**0.3**	**0**	**0.0003**

Part 4.2.1: Bulk Terminals

SCC: 2501050120 Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.8	0	0	0	0	0	0	0
Hartford	23.5	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	19	0	0	0	0	0	0	0
New London	6.6	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**49.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501055120 Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.2: Aviation Gasoline, Stage 1 and 2 Distribution

SCC: 2501080050 Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	34.1	0	0	0	0	0	0	0.0002
Hartford	39.9	0	0	0	0	0	0	0.0003
Litchfield	7	0	0	0	0	0	0	0
Middlesex	6.6	0	0	0	0	0	0	0
New Haven	28.4	0	0	0	0	0	0	0.0002
New London	14.1	0	0	0	0	0	0	0.0001
Tolland	10.3	0	0	0	0	0	0	0.0001
Windham	15.3	0	0	0	0	0	0	0.0001
SCC State Total	**155.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0.001**

SCC: 2501080100 Storage and Transport - Petroleum and Petroleum Product Storage - Airports: Aviation Gasoline - Stage 2: Total

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0	0	0	0	0	0	0
Hartford	0.1	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0.1	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.3: Stage I Gasoline Distribution

SCC: 2501060051 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	6.1	0	0	0	0	0	0	0
Hartford	5.5	0	0	0	0	0	0	0
Litchfield	1.2	0	0	0	0	0	0	0
Middlesex	1.4	0	0	0	0	0	0	0
New Haven	5.1	0	0	0	0	0	0	0
New London	2.1	0	0	0	0	0	0	0
Tolland	1.1	0	0	0	0	0	0	0
Windham	0.9	0	0	0	0	0	0	0
SCC State Total	**23.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501060052 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501060053 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	19.3	0	0	0	0	0	0	0
Hartford	17.3	0	0	0	0	0	0	0
Litchfield	3.7	0	0	0	0	0	0	0
Middlesex	4.3	0	0	0	0	0	0	0
New Haven	16.3	0	0	0	0	0	0	0
New London	6.7	0	0	0	0	0	0	0
Tolland	3.4	0	0	0	0	0	0	0
Windham	2.9	0	0	0	0	0	0	0
SCC State Total	**73.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501060201 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	23	0	0	0	0	0	0	0
Hartford	20.7	0	0	0	0	0	0	0
Litchfield	4.4	0	0	0	0	0	0	0
Middlesex	5.1	0	0	0	0	0	0	0
New Haven	19.5	0	0	0	0	0	0	0
New London	7.9	0	0	0	0	0	0	0
Tolland	4	0	0	0	0	0	0	0
Windham	3.4	0	0	0	0	0	0	0
SCC State Total	**88**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.4: Stage II Refueling

SCC: 2201000062 Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	224.3	0	0	0	0	0	0	0
Hartford	223	0	0	0	0	0	0	0
Litchfield	36.2	0	0	0	0	0	0	0
Middlesex	49.5	0	0	0	0	0	0	0
New Haven	204.6	0	0	0	0	0	0	0
New London	71.8	0	0	0	0	0	0	0
Tolland	39	0	0	0	0	0	0	0
Windham	37.9	0	0	0	0	0	0	0
SCC State Total	**886.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2202000062 Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	9.9	0	0	0	0	0	0	0
Hartford	10.3	0	0	0	0	0	0	0
Litchfield	1.3	0	0	0	0	0	0	0
Middlesex	2.4	0	0	0	0	0	0	0
New Haven	9.8	0	0	0	0	0	0	0
New London	3.8	0	0	0	0	0	0	0
Tolland	2.2	0	0	0	0	0	0	0
Windham	1.6	0	0	0	0	0	0	0
SCC State Total	**41.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.5: Industrial Processes – Storage and Transfer – Truck or Pipeline

SCC: 2505030120 Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.5	0	0	0	0	0	0	0
Hartford	1.4	0	0	0	0	0	0	0
Litchfield	0.3	0	0	0	0	0	0	0
Middlesex	0.3	0	0	0	0	0	0	0
New Haven	1.3	0	0	0	0	0	0	0
New London	0.5	0	0	0	0	0	0	0
Tolland	0.3	0	0	0	0	0	0	0
Windham	0.2	0	0	0	0	0	0	0
SCC State Total	**5.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2505040120 Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	555.9	0	0	0	0	0	0	0
Hartford	288.6	0	0	0	0	0	0	0
Litchfield	97.1	0	0	0	0	0	0	0
Middlesex	16.2	0	0	0	0	0	0	0
New Haven	405.4	0	0	0	0	0	0	0
New London	97.1	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	16.2	0	0	0	0	0	0	0
SCC State Total	**1476.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.6: Portable Fuel Containers Estimates

SCC: 2501011011 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	35.2	0	0	0	0	0	0	0
Hartford	22.3	0	0	0	0	0	0	0
Litchfield	6.4	0	0	0	0	0	0	0
Middlesex	4.4	0	0	0	0	0	0	0
New Haven	18.8	0	0	0	0	0	0	0
New London	4.7	0	0	0	0	0	0	0
Tolland	2.4	0	0	0	0	0	0	0
Windham	2.4	0	0	0	0	0	0	0
SCC State Total	**96.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501011012 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal losses)

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	39.5	0	0	0	0	0	0	0
Hartford	25	0	0	0	0	0	0	0
Litchfield	7.1	0	0	0	0	0	0	0
Middlesex	4.9	0	0	0	0	0	0	0
New Haven	21.1	0	0	0	0	0	0	0
New London	5.3	0	0	0	0	0	0	0
Tolland	2.7	0	0	0	0	0	0	0
Windham	2.7	0	0	0	0	0	0	0
SCC State Total	**108.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501011013 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	55.3	0	0	0	0	0	0	0
Hartford	35	0	0	0	0	0	0	0
Litchfield	10	0	0	0	0	0	0	0
Middlesex	6.9	0	0	0	0	0	0	0
New Haven	29.5	0	0	0	0	0	0	0
New London	7.5	0	0	0	0	0	0	0
Tolland	3.8	0	0	0	0	0	0	0
Windham	3.8	0	0	0	0	0	0	0
SCC State Total	**151.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501011014 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	7.8	0	0	0	0	0	0	0
Hartford	5	0	0	0	0	0	0	0
Litchfield	1.4	0	0	0	0	0	0	0
Middlesex	1	0	0	0	0	0	0	0
New Haven	4.2	0	0	0	0	0	0	0
New London	1.1	0	0	0	0	0	0	0
Tolland	0.5	0	0	0	0	0	0	0
Windham	0.5	0	0	0	0	0	0	0
SCC State Total	**21.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501011015 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.8	0	0	0	0	0	0	0
Hartford	1.2	0	0	0	0	0	0	0
Litchfield	0.3	0	0	0	0	0	0	0
Middlesex	0.2	0	0	0	0	0	0	0
New Haven	1	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**4.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501012011 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.5	0	0	0	0	0	0	0
Hartford	1	0	0	0	0	0	0	0
Litchfield	0.3	0	0	0	0	0	0	0
Middlesex	0.2	0	0	0	0	0	0	0
New Haven	0.8	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**4.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501012012 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.3	0	0	0	0	0	0	0
Hartford	0.8	0	0	0	0	0	0	0
Litchfield	0.2	0	0	0	0	0	0	0
Middlesex	0.2	0	0	0	0	0	0	0
New Haven	0.7	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**3.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501012013 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	75.4	0	0	0	0	0	0	0
Hartford	47.7	0	0	0	0	0	0	0
Litchfield	13.6	0	0	0	0	0	0	0
Middlesex	9.4	0	0	0	0	0	0	0
New Haven	40.3	0	0	0	0	0	0	0
New London	10.2	0	0	0	0	0	0	0
Tolland	5.2	0	0	0	0	0	0	0
Windham	5.2	0	0	0	0	0	0	0
SCC State Total	**207**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501012014 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	22.6	0	0	0	0	0	0	0
Hartford	14.3	0	0	0	0	0	0	0
Litchfield	4.1	0	0	0	0	0	0	0
Middlesex	2.8	0	0	0	0	0	0	0
New Haven	12.1	0	0	0	0	0	0	0
New London	3	0	0	0	0	0	0	0
Tolland	1.6	0	0	0	0	0	0	0
Windham	1.6	0	0	0	0	0	0	0
SCC State Total	**62.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2501012015 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	3.5	0	0	0	0	0	0	0
Hartford	2.2	0	0	0	0	0	0	0
Litchfield	0.6	0	0	0	0	0	0	0
Middlesex	0.4	0	0	0	0	0	0	0
New Haven	1.9	0	0	0	0	0	0	0
New London	0.5	0	0	0	0	0	0	0
Tolland	0.2	0	0	0	0	0	0	0
Windham	0.2	0	0	0	0	0	0	0
SCC State Total	**9.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.1: Solvent – Degreasing

SCC: 2415000000 Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types

Sector: Solvent - Degreasing

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	640.7	0	0	0	0	0	0	0
Hartford	954.8	0	0	0	0	0	0	0
Litchfield	139.1	0	0	0	0	0	0	0
Middlesex	165.6	0	0	0	0	0	0	0
New Haven	561.1	0	0	0	0	0	0	0
New London	270.9	0	0	0	0	0	0	0
Tolland	66.2	0	0	0	0	0	0	0
Windham	59.5	0	0	0	0	0	0	0
SCC State Total	**2857.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.2: Solvent – Dry Cleaning

SCC: 2420000000 Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types

Sector: Solvent - Dry Cleaning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	8	0	0	0	0	0	0	0
Hartford	3.9	0	0	0	0	0	0	0
Litchfield	1	0	0	0	0	0	0	0
Middlesex	0.8	0	0	0	0	0	0	0
New Haven	4.6	0	0	0	0	0	0	0
New London	2.8	0	0	0	0	0	0	0
Tolland	0.9	0	0	0	0	0	0	0
Windham	0.2	0	0	0	0	0	0	0
SCC State Total	**22.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.3: Solvent – Graphic Arts

SCC: 2425000000 Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types

Sector: Solvent - Graphic Arts

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1346.4	0	0	0	0	0	0	0
Hartford	2310.5	0	0	0	0	0	0	0
Litchfield	167	0	0	0	0	0	0	0
Middlesex	53.1	0	0	0	0	0	0	0
New Haven	1608.9	0	0	0	0	0	0	0
New London	187.6	0	0	0	0	0	0	0
Tolland	121.9	0	0	0	0	0	0	0
Windham	252.6	0	0	0	0	0	0	0
SCC State Total	**6048**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.4: Solvent – Consumer & Commercial Solvent Use

SCC: 2460100000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	546.6	0	0	0	0	0	0	0
Hartford	515.2	0	0	0	0	0	0	0
Litchfield	104.8	0	0	0	0	0	0	0
Middlesex	94	0	0	0	0	0	0	0
New Haven	495.1	0	0	0	0	0	0	0
New London	154.8	0	0	0	0	0	0	0
Tolland	87.1	0	0	0	0	0	0	0
Windham	67	0	0	0	0	0	0	0
SCC State Total	**2064.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2460200000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products – Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	556.6	0	0	0	0	0	0	0
Hartford	524.6	0	0	0	0	0	0	0
Litchfield	106.7	0	0	0	0	0	0	0
Middlesex	95.7	0	0	0	0	0	0	0
New Haven	504.1	0	0	0	0	0	0	0
New London	157.6	0	0	0	0	0	0	0
Tolland	88.7	0	0	0	0	0	0	0
Windham	68.2	0	0	0	0	0	0	0
SCC State Total	**2102.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2460400000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products – Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	52.7	0	0	0	0	0	0	0
Hartford	49.7	0	0	0	0	0	0	0
Litchfield	10.1	0	0	0	0	0	0	0
Middlesex	9.1	0	0	0	0	0	0	0
New Haven	47.8	0	0	0	0	0	0	0
New London	14.9	0	0	0	0	0	0	0
Tolland	8.4	0	0	0	0	0	0	0
Windham	6.5	0	0	0	0	0	0	0
SCC State Total	**199.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2460500000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products – Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	265.1	0	0	0	0	0	0	0
Hartford	249.9	0	0	0	0	0	0	0
Litchfield	50.8	0	0	0	0	0	0	0
Middlesex	45.6	0	0	0	0	0	0	0
New Haven	240.1	0	0	0	0	0	0	0
New London	75.1	0	0	0	0	0	0	0
Tolland	42.3	0	0	0	0	0	0	0
Windham	32.5	0	0	0	0	0	0	0
SCC State Total	**1001.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2460600000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	508.9	0	0	0	0	0	0	0
Hartford	479.7	0	0	0	0	0	0	0
Litchfield	97.6	0	0	0	0	0	0	0
Middlesex	87.5	0	0	0	0	0	0	0
New Haven	461	0	0	0	0	0	0	0
New London	144.1	0	0	0	0	0	0	0
Tolland	81.1	0	0	0	0	0	0	0
Windham	62.3	0	0	0	0	0	0	0
SCC State Total	**1922.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2460800000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	496.7	0	0	0	0	0	0	0
Hartford	468.1	0	0	0	0	0	0	0
Litchfield	95.2	0	0	0	0	0	0	0
Middlesex	85.4	0	0	0	0	0	0	0
New Haven	449.9	0	0	0	0	0	0	0
New London	140.7	0	0	0	0	0	0	0
Tolland	79.2	0	0	0	0	0	0	0
Windham	60.8	0	0	0	0	0	0	0
SCC State Total	**1876**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2460900000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) – Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	19.5	0	0	0	0	0	0	0
Hartford	18.4	0	0	0	0	0	0	0
Litchfield	3.7	0	0	0	0	0	0	0
Middlesex	3.4	0	0	0	0	0	0	0
New Haven	17.7	0	0	0	0	0	0	0
New London	5.5	0	0	0	0	0	0	0
Tolland	3.1	0	0	0	0	0	0	0
Windham	2.4	0	0	0	0	0	0	0
SCC State Total	**73.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.5: Solvent – Industrial Surface Coating & Solvent Use

SCC: 2401001000 Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types

Sector: Solvent - Non-Industrial Surface Coating

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	892.9	0	0	0	0	0	0	0
Hartford	841.7	0	0	0	0	0	0	0
Litchfield	171.2	0	0	0	0	0	0	0
Middlesex	153.6	0	0	0	0	0	0	0
New Haven	808.8	0	0	0	0	0	0	0
New London	252.9	0	0	0	0	0	0	0
Tolland	142.4	0	0	0	0	0	0	0
Windham	109.4	0	0	0	0	0	0	0
SCC State Total	**3372.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401005000 Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	181	0	0	0	0	0	0	0
Hartford	190.2	0	0	0	0	0	0	0
Litchfield	49.1	0	0	0	0	0	0	0
Middlesex	32.6	0	0	0	0	0	0	0
New Haven	173.6	0	0	0	0	0	0	0
New London	62.3	0	0	0	0	0	0	0
Tolland	33.2	0	0	0	0	0	0	0
Windham	18.8	0	0	0	0	0	0	0
SCC State Total	**740.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401008000 Solvent Utilization - Surface Coating - Traffic Markings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	59.5	0	0	0	0	0	0	0
Hartford	56.1	0	0	0	0	0	0	0
Litchfield	11.4	0	0	0	0	0	0	0
Middlesex	10.2	0	0	0	0	0	0	0
New Haven	53.9	0	0	0	0	0	0	0
New London	16.9	0	0	0	0	0	0	0
Tolland	9.5	0	0	0	0	0	0	0
Windham	7.3	0	0	0	0	0	0	0
SCC State Total	**224.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401015000 Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	5.1	0	0	0	0	0	0	0
Hartford	3.8	0	0	0	0	0	0	0
Litchfield	2.1	0	0	0	0	0	0	0
Middlesex	0.8	0	0	0	0	0	0	0
New Haven	6.5	0	0	0	0	0	0	0
New London	1.4	0	0	0	0	0	0	0
Tolland	1.2	0	0	0	0	0	0	0
Windham	3.3	0	0	0	0	0	0	0
SCC State Total	**24.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401020000 Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	34.7	0	0	0	0	0	0	0
Hartford	122.2	0	0	0	0	0	0	0
Litchfield	11.6	0	0	0	0	0	0	0
Middlesex	6	0	0	0	0	0	0	0
New Haven	30.7	0	0	0	0	0	0	0
New London	5	0	0	0	0	0	0	0
Tolland	4	0	0	0	0	0	0	0
Windham	1.7	0	0	0	0	0	0	0
SCC State Total	**215.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401025000 Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.6	0	0	0	0	0	0	0
Hartford	11.2	0	0	0	0	0	0	0
Litchfield	1.9	0	0	0	0	0	0	0
New Haven	11	0	0	0	0	0	0	0
New London	0.6	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**25.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401030000 Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.2	0	0	0	0	0	0	0
Hartford	20.7	0	0	0	0	0	0	0
Litchfield	1.2	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	94	0	0	0	0	0	0	0
New London	20.7	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**137.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401040000 Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	60.5	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	60.5	0	0	0	0	0	0	0
New Haven	60.5	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	10.1	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**191.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401055000 Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	24.2	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	3.9	0	0	0	0	0	0	0
Middlesex	3.3	0	0	0	0	0	0	0
New Haven	9.9	0	0	0	0	0	0	0
New London	15.3	0	0	0	0	0	0	0
Tolland	6.4	0	0	0	0	0	0	0
Windham	1.2	0	0	0	0	0	0	0
SCC State Total	**64.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401060000 Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	4.3	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**4.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401065000 Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.1	0	0	0	0	0	0	0
Hartford	3.3	0	0	0	0	0	0	0
Litchfield	0.7	0	0	0	0	0	0	0
Middlesex	0.4	0	0	0	0	0	0	0
New Haven	7.1	0	0	0	0	0	0	0
New London	0.8	0	0	0	0	0	0	0
Tolland	0.5	0	0	0	0	0	0	0
Windham	2.9	0	0	0	0	0	0	0
SCC State Total	**16.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401070000 Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	16.7	0	0	0	0	0	0	0
Hartford	66.4	0	0	0	0	0	0	0
Litchfield	65.6	0	0	0	0	0	0	0
Middlesex	39.8	0	0	0	0	0	0	0
New Haven	69	0	0	0	0	0	0	0
New London	1.4	0	0	0	0	0	0	0
Tolland	3.2	0	0	0	0	0	0	0
Windham	0.5	0	0	0	0	0	0	0
SCC State Total	**262.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401075000 Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	74.6	0	0	0	0	0	0	0
Hartford	136.6	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	20.6	0	0	0	0	0	0	0
New Haven	4.1	0	0	0	0	0	0	0
New London	0.3	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	1.7	0	0	0	0	0	0	0
SCC State Total	**237.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401080000 Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.2	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	1.8	0	0	0	0	0	0	0
New Haven	7.2	0	0	0	0	0	0	0
New London	888.5	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**899.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401085000 Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0.5	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0.5	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401090000 Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	45.8	0	0	0	0	0	0	0
Litchfield	18.3	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	64.5	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	4.4	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**133**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401100000 Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	71.2	0	0	0	0	0	0	0
Hartford	67.2	0	0	0	0	0	0	0
Litchfield	13.7	0	0	0	0	0	0	0
Middlesex	12.3	0	0	0	0	0	0	0
New Haven	64.5	0	0	0	0	0	0	0
New London	20.2	0	0	0	0	0	0	0
Tolland	11.4	0	0	0	0	0	0	0
Windham	8.7	0	0	0	0	0	0	0
SCC State Total	**269.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2401200000 Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.8	0	0	0	0	0	0	0
Hartford	2.6	0	0	0	0	0	0	0
Litchfield	0.5	0	0	0	0	0	0	0
Middlesex	0.5	0	0	0	0	0	0	0
New Haven	2.5	0	0	0	0	0	0	0
New London	0.8	0	0	0	0	0	0	0
Tolland	0.4	0	0	0	0	0	0	0
Windham	0.3	0	0	0	0	0	0	0
SCC State Total	**10.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.6: Asphalt Paving – Cutback and Emulsified

SCC: 2461021000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2461022000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.4.1: Crops & Livestock Dust

SCC: 2801000003 Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	34.4	6.9	0	0	0
Hartford	0	0	0	126.7	25.3	0	0	0
Litchfield	0	0	0	250.9	50.2	0	0	0
Middlesex	0	0	0	31.7	6.3	0	0	0
New Haven	0	0	0	68.3	13.7	0	0	0
New London	0	0	0	136.1	27.2	0	0	0
Tolland	0	0	0	106.2*	21.2*	0	0	0
Windham	0	0	0	95.9	19.2	0	0	0
SCC State Total	**0**	**0**	**0**	**850.2**	**170.0**	**0**	**0**	**0**

* 2014 values were used due to an error in 2017 activity estimates

SCC: 2805001000 Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle - finishing operations on feedlots (drylots) - Dust Kicked-up by Hooves (use 28-05-020, -001, -002, or -003 for Waste

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	2.6	0.5	0	0	0
Hartford	0	0	0	11.3	2.3	0	0	0
Litchfield	0	0	0	31.1	6.5	0	0	0
Middlesex	0	0	0	5.9	1.2	0	0	0
New Haven	0	0	0	8.4	1.7	0	0	0
New London	0	0	0	24.5	5.1	0	0	0
Tolland	0	0	0	21.9	4.6	0	0	0
Windham	0	0	0	24.5	5.1	0	0	0
SCC State Total	**0**	**0**	**0**	**130.2**	**27**	**0**	**0**	**0**

SCC: 2805001010 Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy Cattle - Dust Kicked-up by Hooves

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0.8	0.2	0	0	0
Hartford	0	0	0	6.2	1.3	0	0	0
Litchfield	0	0	0	30.4	6.3	0	0	0
Middlesex	0	0	0	2.8	0.6	0	0	0
New Haven	0	0	0	7.5	1.6	0	0	0
New London	0	0	0	31.3	6.5	0	0	0
Tolland	0	0	0	30.3	6.3	0	0	0
Windham	0	0	0	38.6	8	0	0	0
SCC State Total	**0**	**0**	**0**	**147.9**	**30.8**	**0**	**0**	**0**

SCC: 2805001020 Miscellaneous Area Sources - Agriculture Production - Livestock - Broilers - Dust Kicked-up by Feet

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0.4	0	0	0	0
Tolland	0	0	0	0.1	0	0	0	0
Windham	0	0	0	1.3	0.1	0	0	0
SCC State Total	**0**	**0**	**0**	**1.8**	**0.1**	**0**	**0**	**0**

SCC: 2805001030 Miscellaneous Area Sources - Agriculture Production - Livestock - Layers - Dust Kicked-up by Feet

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	10	1.2	0	0	0
Hartford	0	0	0	12.9	1.6	0	0	0
Litchfield	0	0	0	22.3	2.8	0	0	0
Middlesex	0	0	0	6.4	0.8	0	0	0
New Haven	0	0	0	13.1	1.6	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	7.6	0.9	0	0	0
Windham	0	0	0	19.1	2.4	0	0	0
SCC State Total	**0**	**0**	**0**	**91.4**	**11.3**	**0**	**0**	**0**

SCC: 2805001040 Miscellaneous Area Sources - Agriculture Production - Livestock - Swine - Dust Kicked-up by Hooves

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0.3	0	0	0	0
Litchfield	0	0	0	0.3	0	0	0	0
Middlesex	0	0	0	0.1	0	0	0	0
New Haven	0	0	0	0.3	0	0	0	0
New London	0	0	0	0.6	0	0	0	0
Tolland	0	0	0	0.2	0	0	0	0
Windham	0	0	0	0.4	0	0	0	0
SCC State Total	**0**	**0**	**0**	**2.2**	**0**	**0**	**0**	**0**

SCC: 2805001050 Miscellaneous Area Sources - Agriculture Production - Livestock - Turkeys - Dust Kicked-up by Feet

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0.1	0	0	0	0
Litchfield	0	0	0	0.2	0	0	0	0
Middlesex	0	0	0	0.1	0	0	0	0
New Haven	0	0	0	0.5	0	0	0	0
New London	0	0	0	0.5	0	0	0	0
Tolland	0	0	0	0.1	0	0	0	0
Windham	0	0	0	0.5	0	0	0	0
SCC State Total	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**

Part 4.4.2: Livestock Waste

SCC: 2805002000 Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.6	0	0	0	0	7.3	0	0
Hartford	2.5	0	0	0	0	30.9	0	0
Litchfield	6.8	0	0	0	0	85.5	0	0
Middlesex	1.3	0	0	0	0	16.3	0	0
New Haven	1.8	0	0	0	0	23.1	0	0
New London	5.4	0	0	0	0	67.4	0	0
Tolland	4.8	0	0	0	0	60.3	0	0
Windham	5.4	0	0	0	0	67.4	0	0
SCC State Total	**28.6**	**0**	**0**	**0**	**0**	**358.2**	**0**	**0**

SCC: 2805007100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - layers with dry manure management systems - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	6.4	0	0	0	0	80.2	0	0
Hartford	8.3	0	0	0	0	104.1	0	0
Litchfield	14.3	0	0	0	0	179.2	0	0
Middlesex	4.1	0	0	0	0	51.1	0	0
New Haven	8.4	0	0	0	0	105.4	0	0
New London	0	0	0	0	0	0	0	0
Tolland	4.9	0	0	0	0	61	0	0
Windham	12.3	0	0	0	0	153.4	0	0
SCC State Total	**58.7**	**0**	**0**	**0**	**0**	**734.4**	**0**	**0**

SCC: 2805009100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0.3	0	0
Hartford	0	0	0	0	0	0.2	0	0
Litchfield	0	0	0	0	0	0.3	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	2.4	0	0
Tolland	0	0	0	0	0	0.3	0	0
Windham	0.6	0	0	0	0	7.9	0	0
SCC State Total	**0.8**	**0**	**0**	**0**	**0**	**11.4**	**0**	**0**

SCC: 2805010100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0.2	0	0
Hartford	0	0	0	0	0	0.4	0	0
Litchfield	0	0	0	0	0	0.6	0	0
Middlesex	0	0	0	0	0	0.3	0	0
New Haven	0.1	0	0	0	0	1.9	0	0
New London	0.1	0	0	0	0	1.9	0	0
Tolland	0	0	0	0	0	0.3	0	0
Windham	0.1	0	0	0	0	1.9	0	0
SCC State Total	**0.3**	**0**	**0**	**0**	**0**	**7.5**	**0**	**0**

SCC: 2805018000 Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.3	0	0	0	0	3.9	0	0
Hartford	2.6	0	0	0	0	32.5	0	0
Litchfield	12.7	0	0	0	0	158.9	0	0
Middlesex	1.2	0	0	0	0	14.6	0	0
New Haven	3.1	0	0	0	0	39.2	0	0
New London	13.1	0	0	0	0	164	0	0
Tolland	12.7	0	0	0	0	158.5	0	0
Windham	16.2	0	0	0	0	202.1	0	0
SCC State Total	**61.9**	**0**	**0**	**0**	**0**	**773.7**	**0**	**0**

SCC: 2805025000 Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also 28-05-039, -047, -053)

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0.5	0	0
Hartford	0.3	0	0	0	0	3.3	0	0
Litchfield	0.3	0	0	0	0	3.2	0	0
Middlesex	0.1	0	0	0	0	1.1	0	0
New Haven	0.3	0	0	0	0	3.9	0	0
New London	0.5	0	0	0	0	6.3	0	0
Tolland	0.2	0	0	0	0	1.9	0	0
Windham	0.4	0	0	0	0	4.5	0	0
SCC State Total	**2.1**	**0**	**0**	**0**	**0**	**24.7**	**0**	**0**

SCC: 2805035000 Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.8	0	0	0	0	34.8	0	0
Hartford	4.5	0	0	0	0	56.4	0	0
Litchfield	4.4	0	0	0	0	55	0	0
Middlesex	3	0	0	0	0	37.7	0	0
New Haven	2.8	0	0	0	0	34.4	0	0
New London	3.9	0	0	0	0	49.1	0	0
Tolland	3.4	0	0	0	0	42.5	0	0
Windham	1.6	0	0	0	0	19.6	0	0
SCC State Total	**26.4**	**0**	**0**	**0**	**0**	**329.5**	**0**	**0**

SCC: 2805040000 Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0	0	0	0	1.5	0	0
Hartford	0.1	0	0	0	0	1.1	0	0
Litchfield	0.3	0	0	0	0	3.6	0	0
Middlesex	0.1	0	0	0	0	0.9	0	0
New Haven	0.1	0	0	0	0	1.5	0	0
New London	0.3	0	0	0	0	4.3	0	0
Tolland	0.1	0	0	0	0	1.6	0	0
Windham	0.2	0	0	0	0	1.9	0	0
SCC State Total	**1.3**	**0**	**0**	**0**	**0**	**16.4**	**0**	**0**

SCC: 2805045000 Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0	0	0	0	1.7	0	0
Hartford	0.6	0	0	0	0	7.2	0	0
Litchfield	0.4	0	0	0	0	4.8	0	0
Middlesex	0.3	0	0	0	0	3.4	0	0
New Haven	0.1	0	0	0	0	1.1	0	0
New London	0.4	0	0	0	0	5.5	0	0
Tolland	0.3	0	0	0	0	4	0	0
Windham	0.2	0	0	0	0	2	0	0
SCC State Total	**2.4**	**0**	**0**	**0**	**0**	**29.7**	**0**	**0**

Part 4.4.3: Fertilizer Application

SCC: 2801700099 Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers

Sector: Agriculture - Fertilizer Application

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	69.9	0	0
Hartford	0	0	0	0	0	77.8	0	0
Litchfield	0	0	0	0	0	118.3	0	0
Middlesex	0	0	0	0	0	49.1	0	0
New Haven	0	0	0	0	0	80.6	0	0
New London	0	0	0	0	0	99.9	0	0
Tolland	0	0	0	0	0	63.5	0	0
Windham	0	0	0	0	0	67.3	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**626.4**	**0**	**0**

Part 4.4.4: Field Burning

SCC: 2801500000 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500141 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500150 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500151 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500152 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Corn and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: **2801500160** Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: **2801500171** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Fallow

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500220 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500250 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500262 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire – Field Crop is Wheat: Backfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500263 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Cotton

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2801500264 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.4.5: Pesticide

SCC: 2461850000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.4	0	0	0	0	0	0	0
Hartford	12.4	0	0	0	0	0	0	0
Litchfield	6.5	0	0	0	0	0	0	0
Middlesex	2.5	0	0	0	0	0	0	0
New Haven	6.2	0	0	0	0	0	0	0
New London	4.9	0	0	0	0	0	0	0
Tolland	5.6	0	0	0	0	0	0	0
Windham	5.7	0	0	0	0	0	0	0
SCC State Total	**45.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.5.1: Paved Roads

SCC: 2294000000 Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	751.3	187.8	0	0	0
Hartford	0	0	0	745.2	186.3	0	0	0
Litchfield	0	0	0	224.6	56.2	0	0	0
Middlesex	0	0	0	194.7	48.7	0	0	0
New Haven	0	0	0	497.4	124.4	0	0	0
New London	0	0	0	358.9	89.7	0	0	0
Tolland	0	0	0	202.4	50.6	0	0	0
Windham	0	0	0	187.1	46.8	0	0	0
SCC State Total	**0**	**0**	**0**	**3161.6**	**790.5**	**0**	**0**	**0**

SCC: 2294000002 Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.5.2: Unpaved Roads

SCC: 2296000000 Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives

Sector: Dust - Unpaved Road Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	301.3	29.9	0	0	0
Hartford	0	0	0	290.6	28.9	0	0	0
Litchfield	0	0	0	571.5	56.8	0	0	0
Middlesex	0	0	0	225.4	22.4	0	0	0
New Haven	0	0	0	206.6	20.5	0	0	0
New London	0	0	0	580.9	57.7	0	0	0
Tolland	0	0	0	397.2	39.5	0	0	0
Windham	0	0	0	456.8	45.4	0	0	0
SCC State Total	**0**	**0**	**0**	**3030.3**	**301.1**	**0**	**0**	**0**

Subpart 4.5.3.1: Non-Residential Construction

SCC: 2311010000 Industrial Processes - Construction: SIC 15 - 17 - Residential - Total

Sector: Dust - Construction Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	44.7	4.5	0	0	0
Hartford	0	0	0	38.4	3.8	0	0	0
Litchfield	0	0	0	6.5	0.6	0	0	0
Middlesex	0	0	0	8.7	0.9	0	0	0
New Haven	0	0	0	28.2	2.8	0	0	0
New London	0	0	0	13.8	1.4	0	0	0
Tolland	0	0	0	11.7	1.2	0	0	0
Windham	0	0	0	5.9	0.6	0	0	0
SCC State Total	**0**	**0**	**0**	**157.9**	**15.8**	**0**	**0**	**0**

Subpart 4.5.3.2: Residential Construction

SCC: 2311020000 Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total

Sector: Dust - Construction Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	1175.8	117.6	0	0	0
Hartford	0	0	0	1108.3	110.8	0	0	0
Litchfield	0	0	0	225.3	22.5	0	0	0
Middlesex	0	0	0	210.9	21.1	0	0	0
New Haven	0	0	0	830.8	83.1	0	0	0
New London	0	0	0	688.6	68.9	0	0	0
Tolland	0	0	0	131.3	13.1	0	0	0
Windham	0	0	0	60.3	6	0	0	0
SCC State Total	**0**	**0**	**0**	**4431.3**	**443.1**	**0**	**0**	**0**

Subpart 4.5.3.3: Road Construction

SCC: 2311030000 Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total

Sector: Dust - Construction Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	88.3	8.8	0	0	0
Hartford	0	0	0	58.2	5.8	0	0	0
Litchfield	0	0	0	7.9	0.8	0	0	0
Middlesex	0	0	0	12.7	1.3	0	0	0
New Haven	0	0	0	39.6	4	0	0	0
New London	0	0	0	17.8	1.8	0	0	0
Tolland	0	0	0	13.4	1.3	0	0	0
Windham	0	0	0	6.9	0.7	0	0	0
SCC State Total	**0**	**0**	**0**	**244.8**	**24.5**	**0**	**0**	**0**

Subsection 4.6: Oil and Gas Production

SCC: 2310000220 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0

SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310000551 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from CBM Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310000552 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Gas Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310000553 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Oil Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310000660 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Hydraulic Fracturing Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310010100 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310010200 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Tanks - Flashing & Standing/Working/Breathing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310010300 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011001 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Associated Gas Venting

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011201 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011501 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011502 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011503 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011505 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310011600 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Artificial Lift Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021010 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Storage Tanks: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021030 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021102 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021202 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021251 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021300 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021302 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021351 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021400 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021501 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021502 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021503 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021505 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021506 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310021603 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023102 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023202 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023300 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023302 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023310 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023511 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023512 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023513 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023515 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023516 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310023600 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310111100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310111401 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310111700 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310121100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310121401 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2310121700 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.7.1: Mining and Quarrying

SCC: 2325000000 Industrial Processes - Mining and Quarrying: SIC 14 - All Processes - Total

Sector: Industrial Processes - Mining

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	45.3	5.7	0	0	0
Hartford	0	0	0	150	18.7	0	0	0
Litchfield	0	0	0	527.8	66	0	0	0
Middlesex	0	0	0	10.5	1.3	0	0	0
New Haven	0	0	0	144.2	18	0	0	0
New London	0	0	0	12.8	1.6	0	0	0
Tolland	0	0	0	52.3	6.5	0	0	0
Windham	0	0	0	110.4	13.8	0	0	0
SCC State Total	**0**	**0**	**0**	**1053.3**	**131.6**	**0**	**0**	**0**

Part 4.7.2: Commercial Cooking

SCC: 2302002100 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling

Sector: Commercial Cooking

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	11.8	0	39.5	47.2	45.8	0	0	0
Hartford	10.8	0	35.9	42.9	41.6	0	0	0
Litchfield	2	0	6.7	8	7.7	0	0	0
Middlesex	1.9	0	6.5	7.7	7.5	0	0	0
New Haven	10.8	0	35.9	42.9	41.7	0	0	0
New London	2.8	0	9.5	11.3	11	0	0	0
Tolland	1.2	0	4.2	5	4.8	0	0	0
Windham	1.1	0	3.5	4.2	4.1	0	0	0
SCC State Total	**42.4**	**0**	**141.7**	**169.2**	**164.2**	**0**	**0**	**0**

SCC: 2302002200 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling

Sector: Commercial Cooking

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	40.3	0	131.8	335.6	325	0	0	0
Hartford	34.3	0	112.1	285.3	276.3	0	0	0
Litchfield	6.9	0	22.6	57.6	55.7	0	0	0
Middlesex	6.7	0	21.8	55.5	53.7	0	0	0
New Haven	34.6	0	113.3	288.5	279.3	0	0	0
New London	9.3	0	30.5	77.5	75.1	0	0	0
Tolland	3.9	0	12.8	32.5	31.5	0	0	0
Windham	3.1	0	10.1	25.6	24.8	0	0	0
SCC State Total	**139.1**	**0**	**455**	**1158.1**	**1121.4**	**0**	**0**	**0**

SCC: 2302003000 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying

Sector: Commercial Cooking

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	8.4	0	0	0	0	0	0	0
Hartford	7.4	0	0	0	0	0	0	0
Litchfield	1.4	0	0	0	0	0	0	0
Middlesex	1.4	0	0	0	0	0	0	0
New Haven	7.5	0	0	0	0	0	0	0
New London	2	0	0	0	0	0	0	0
Tolland	0.9	0	0	0	0	0	0	0
Windham	0.7	0	0	0	0	0	0	0
SCC State Total	**29.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2302003100 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying

Sector: Commercial Cooking

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	5.2	0	10.9	87.8	66.7	0	0	0
Hartford	4.5	0	9.4	75.5	57.4	0	0	0
Litchfield	0.9	0	1.9	15.6	11.9	0	0	0
Middlesex	0.9	0	1.8	14.4	10.9	0	0	0
New Haven	4.5	0	9.4	75.8	57.6	0	0	0
New London	1.2	0	2.5	20.4	15.5	0	0	0
Tolland	0.5	0	1.1	8.6	6.6	0	0	0
Windham	0.4	0	0.9	6.9	5.3	0	0	0
SCC State Total	**18.1**	**0**	**37.9**	**305**	**231.9**	**0**	**0**	**0**

SCC: 2302003200 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying

Sector: Commercial Cooking

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.3	0	0	5.7	4.8	0	0	0
Hartford	0.2	0	0	5.1	4.3	0	0	0
Litchfield	0	0	0	0.9	0.7	0	0	0
Middlesex	0	0	0	1	0.8	0	0	0
New Haven	0.2	0	0	5.1	4.4	0	0	0
New London	0.1	0	0	1.3	1.1	0	0	0
Tolland	0	0	0	0.6	0.5	0	0	0
Windham	0	0	0	0.5	0.4	0	0	0
SCC State Total	**0.8**	**0**	**0**	**20.2**	**17**	**0**	**0**	**0**

Part 4.7.3: Residential Charcoal Grilling

SCC: 2810025000 Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	14	5.3	255.9	48.5	38.9	0	0	0
Hartford	14	5.3	256	48.6	38.9	0	0	0
Litchfield	3.5	1.3	63.1	12	9.6	0	0	0
Middlesex	2.9	1.1	52.6	10	8	0	0	0
New Haven	13.2	5	240.3	45.6	36.5	0	0	0
New London	4.6	1.7	83.8	15.9	12.7	0	0	0
Tolland	2.4	0.9	43.4	8.2	6.6	0	0	0
Windham	2	0.7	35.9	6.8	5.5	0	0	0
SCC State Total	**56.6**	**21.3**	**1031**	**195.6**	**156.7**	**0**	**0**	**0**

Subsection 4.8: Prescribed Burning and Wildfires (Events)

SCC: 2810001001 Miscellaneous Area Sources - Other Combustion - as Event - Forest Wildfires - Smoldering

Sector: Fires - Wildfires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.9	0	8.1	0.8	0.6	0.1	0	0
Hartford	0.6	0	2.7	0.2	0.2	0	0	0
Litchfield	18	0.3	77	7.2	6.1	1.3	0.4	0
Middlesex	3.4	0.1	14.5	1.4	1.1	0.2	0.1	0
New Haven	7.1	0.1	30.5	2.9	2.4	0.5	0.1	0
New London	1.7	0	7.3	0.7	0.6	0.1	0	0
Tolland	1	0	4.2	0.4	0.3	0.1	0	0
Windham	2.4	0	10.5	1	0.8	0.2	0	0
SCC State Total	**36.1**	**0.5**	**154.8**	**14.6**	**12.1**	**2.5**	**0.6**	**0**

SCC: 2810001002 Miscellaneous Area Sources - Other Combustion - as Event - Forest Wildfires - Flaming

Sector: Fires - Wildfires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	7.6	0.6	32	3.4	2.8	0.5	0.3	0
Hartford	3.8	0.3	15.9	1.7	1.5	0.3	0.2	0
Litchfield	81.3	6	343.1	36.1	30.6	5.7	3	0
Middlesex	12	0.9	50.6	5.3	4.5	0.8	0.4	0
New Haven	38.4	3.1	161.6	17.2	14.6	2.7	1.5	0
New London	8.6	0.7	36.4	3.9	3.3	0.6	0.3	0
Tolland	6.1	0.5	25.5	2.8	2.3	0.4	0.3	0
Windham	11.5	0.8	48.5	5.1	4.3	0.8	0.4	0
SCC State Total	**169.3**	**12.9**	**713.6**	**75.5**	**63.9**	**11.8**	**6.4**	**0**

SCC: 2811015001 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering

Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	8.6	0.2	37	3.5	2.9	0.6	0.2	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	3.5	0.1	15.1	1.4	1.2	0.2	0.1	0
New Haven	0	0	0	0	0	0	0	0
New London	3.5	0.1	15.1	1.4	1.2	0.2	0.1	0
Tolland	3.5	0.1	15.1	1.4	1.2	0.2	0.1	0
Windham	10.2	0.2	43.7	4.1	3.5	0.7	0.2	0
SCC State Total	**29.3**	**0.7**	**126**	**11.8**	**10**	**1.9**	**0.7**	**0**

SCC: 2811015002 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming

Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	32.6	2.6	137.3	14.6	12.4	2.3	1.2	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	25.4	2.8	106.2	12	10.1	1.8	1.2	0
New Haven	0	0	0	0	0	0	0	0
New London	25.4	2.8	106.2	12	10.1	1.8	1.2	0
Tolland	25.4	2.8	106.2	12	10.1	1.8	1.2	0
Windham	53.9	4.9	226.5	24.7	20.9	3.8	2.3	0
SCC State Total	**162.7**	**15.9**	**682.4**	**75.3**	**63.6**	**11.5**	**7.1**	**0**

Part 4.9.1: Greenwaste Composting

SCC: 2680003000 Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential, or municipal yard wastes) - All Processes

Sector: Waste Disposal

County Name	VOC	NOx	CO	PM10-PRI	PM25-PRI	NH3	SO2	Lead
Fairfield	0	0	0	0	0	0	0	0
Hartford	414.6	0	0	0	0	58.6	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	69.1	0	0	0	0	9.8	0	0
New London	69.1	0	0	0	0	9.8	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**552.8**	**0**	**0**	**0**	**0**	**78.2**	**0**	**0**

Subsection 4.9.2.1: Yard Waste – Brush and Leaves

SCC: 2610000100 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2610000400 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.1	0.2	4.5	1.5	1.2	0	0	0
Hartford	2.6	0.6	10.4	3.5	2.7	0	0.1	0
Litchfield	4.2	0.9	16.9	5.7	4.4	0	0.1	0
Middlesex	2.2	0.5	8.7	3	2.3	0	0.1	0
New Haven	0.8	0.2	3.4	1.1	0.9	0	0	0
New London	3.8	0.8	15.2	5.2	4	0	0.1	0
Tolland	3.1	0.7	12.5	4.3	3.3	0	0.1	0
Windham	3.2	0.7	12.7	4.3	3.3	0	0.1	0
SCC State Total	**21**	**4.6**	**84.3**	**28.6**	**22.1**	**0**	**0.6**	**0**

Subpart 4.9.2.2: Open Burning of Land Clearing Debris

SCC: 2610000500 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.9.2.3: Household Waste

SCC: 2610030000 Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.9.3: Publicly Owned Treatment Works (POTW)

SCC: 2630020000 Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	16.2	0	0	0	0	3.2	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	1.6	0	0	0	0	0.3	0	0
Middlesex	3.7	0	0	0	0	0.7	0	0
New Haven	14.5	0	0	0	0	3.2	0	0
New London	3.3	0	0	0	0	0.7	0	0
Tolland	1.1	0	0	0	0	0.2	0	0
Windham	1.3	0	0	0	0	0.3	0	0
SCC State Total	**41.7**	**0**	**0**	**0**	**0**	**8.6**	**0**	**0**

Part 4.9.4: Emissions Calculated by EPA's Mercury Tool – Human Cremation

SCC: 2620030001 Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2650000000 Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2650000002 Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2810060100 Miscellaneous Area Sources - Other Combustion - Cremation - Humans

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0.6	0.5	0.5	0.3	0	0.4	0.0015
Hartford	0.1	0.7	0.6	0.6	0.4	0	0.4	0.0018
Litchfield	0	0.2	0.1	0.1	0.1	0	0.1	0.0004
Middlesex	0	0.1	0.1	0.1	0.1	0	0.1	0.0004
New Haven	0.1	0.7	0.6	0.6	0.4	0	0.4	0.0018
New London	0	0.2	0.2	0.2	0.1	0	0.1	0.0006
Tolland	0	0.1	0.1	0.1	0.1	0	0.1	0.0003
Windham	0	0.1	0.1	0.1	0.1	0	0.1	0.0002
SCC State Total	**0.2**	**2.7**	**2.3**	**2.3**	**1.6**	**0**	**1.7**	**0.007**

SCC: 2810060200 Miscellaneous Area Sources - Other Combustion - Cremation - Animals

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2850001000 Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2851001000 Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2861000000 Miscellaneous Area Sources - Fluorescent Lamp Breakage - Non-recycling Related Emissions - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 2861000010 Miscellaneous Area Sources - Fluorescent Lamp Breakage - Recycling Related Emissions - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.9.5: CT Landfill Emissions Estimates

SCC: 2620030000 Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	49.6	0	0	0	0	0	0	0
Hartford	133.8	0	0	0	0	0	0	0
Litchfield	102.6	0	0	0	0	0	0	0
Middlesex	2.6	0	0	0	0	0	0	0
New Haven	23.5	0	0	0	0	0	0	0
New London	11.3	0	0	0	0	0	0	0
Tolland	5.7	0	0	0	0	0	0	0
Windham	7	0	0	0	0	0	0	0
SCC State Total	**336.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Table I-2: Summer Day Emissions of Area Sources by SCC

Subpart 4.1.2.1: ICI Coal Combustion

SCC: **2102001000** Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2102002000** Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal – Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2103001000** Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal – Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2103002000** Stationary Source Fuel Combustion - Commercial/Institutional - Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.2.2: ICI Distillate Oil Combustion

SCC: **2102004001** Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.3	31.8	8
Hartford	0.5	48.1	12
Litchfield	0.1	8.9	2.2
Middlesex	0.1	8.6	2.1
New Haven	0.3	30.2	7.6
New London	0.1	11.9	3
Tolland	0	3.6	0.9
Windham	0	4.6	1.1
SCC State Total	**1.4**	**147.7**	**36.9**

SCC: **2102004002** Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	7.4	106.8	23
Hartford	11.2	161.3	34.7
Litchfield	2.1	30	6.4
Middlesex	2	28.8	6.2
New Haven	7.1	101.5	21.8
New London	2.8	39.8	8.6
Tolland	0.9	12.2	2.6
Windham	1.1	15.4	3.3
SCC State Total	**34.6**	**495.8**	**106.6**

SCC: **2103004001** Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	5.3	312.1	78
Hartford	5.4	315.2	78.8
Litchfield	0.6	32.5	8.1
Middlesex	0.7	41.4	10.4
New Haven	4.1	242.8	60.7
New London	1.2	71.7	17.9
Tolland	0.3	18.8	4.7
Windham	0.3	19.6	4.9
SCC State Total	**17.9**	**1054.1**	**263.5**

SCC: **2103004002** Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	34.5	496	106.8
Hartford	34.8	501	107.8
Litchfield	3.6	51.7	11.1
Middlesex	4.6	65.9	14.2
New Haven	26.8	386	83.1
New London	7.9	114	24.5
Tolland	2.1	29.8	6.4
Windham	2.2	31.2	6.7
SCC State Total	**116.5**	**1675.6**	**360.6**

Subpart 4.1.2.3: ICI Residual Oil Combustion

SCC: **2102005000** Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	3.2	0.3
Hartford	0	4.8	0.4
Litchfield	0	0.9	0.1
Middlesex	0	0.9	0.1
New Haven	0	3	0.3
New London	0	1.2	0.1
Tolland	0	0.4	0
Windham	0	0.5	0
SCC State Total	**0**	**14.9**	**1.3**

SCC: **2103005000** Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil – Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.8	38.6	3.5
Hartford	0.8	39	3.5
Litchfield	0.1	4	0.4
Middlesex	0.1	5.1	0.5
New Haven	0.6	30.1	2.7
New London	0.2	8.9	0.8
Tolland	0	2.3	0.2
Windham	0	2.4	0.2
SCC State Total	**2.6**	**130.4**	**11.8**

Subpart 4.1.2.4: ICI Natural Gas Combustion

SCC: **2102006000** Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Industrial Boilers, ICEs - Natural Gas

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	59.8	1088	914
Hartford	90.4	1643.8	1380.8
Litchfield	16.8	305.3	256.4
Middlesex	16.1	293.3	246.4
New Haven	56.9	1034.5	869
New London	22.3	406.1	341.2
Tolland	6.9	124.7	104.8
Windham	8.6	156.6	131.6
SCC State Total	**277.8**	**5052.3**	**4244.2**

SCC: **2103006000** Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas – Total: Boilers and IC Engines

Sector: Fuel Comb - Comm/Institutional - Natural Gas

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	124.6	2264.8	1902.4
Hartford	125.8	2287.5	1921.5
Litchfield	13	236.1	198.3
Middlesex	16.5	300.7	252.6
New Haven	96.9	1762.4	1480.4
New London	28.6	520.7	437.4
Tolland	7.5	136.1	114.3
Windham	7.8	142.5	119.7
SCC State Total	**420.7**	**7650.8**	**6426.6**

Subpart 4.1.2.5: ICI LPG Combustion

SCC: **2102007000** Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) – Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Other

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.1	4	2.2
Hartford	0.2	6.1	3.4
Litchfield	0	1.1	0.6
Middlesex	0	1.1	0.6
New Haven	0.1	3.8	2.1
New London	0.1	1.5	0.8
Tolland	0	0.5	0.3
Windham	0	0.6	0.3
SCC State Total	**0.5**	**18.7**	**10.3**

SCC: **2103007000** Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Other

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	7.7	211	118.2
Hartford	7.8	213.2	119.4
Litchfield	0.8	22	12.3
Middlesex	1	28	15.7
New Haven	6	164.2	92
New London	1.8	48.5	27.2
Tolland	0.5	12.7	7.1
Windham	0.5	13.3	7.4
SCC State Total	**26.1**	**712.9**	**399.3**

Subpart 4.1.2.6: ICI Wood Combustion

SCC: **2102008000** Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Biomass

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2103008000** Stationary Source Fuel Combustion - Commercial/Institutional - Wood – Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Biomass

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.2.7: ICI Kerosene Combustion

SCC: **2102011000** Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.2	21.8	5.4
Hartford	0.3	32.9	8.2
Litchfield	0.1	6.1	1.5
Middlesex	0.1	5.9	1.5
New Haven	0.2	20.7	5.2
New London	0.1	8.1	2
Tolland	0	2.5	0.6
Windham	0	3.1	0.8
SCC State Total	**1**	**101.1**	**25.2**

SCC: **2103011000** Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene – Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	1.6	0.4
Hartford	0	1.6	0.4
Litchfield	0	0.2	0
Middlesex	0	0.2	0.1
New Haven	0	1.2	0.3
New London	0	0.4	0.1
Tolland	0	0.1	0
Windham	0	0.1	0
SCC State Total	**0**	**5.4**	**1.3**

Subpart 4.1.3.1: Residential Coal Combustion

SCC: **2104001000** Stationary Source Fuel Combustion - Residential - Anthracite Coal – Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104002000** Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal – Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.3.2: Residential Distillate Oil Combustion

SCC: **2104004000** Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	33.4	783.1	233.9
Hartford	28.9	679.1	202.8
Litchfield	10.2	240.2	71.7
Middlesex	9.4	220.7	65.9
New Haven	31.7	743.9	222.2
New London	14.7	345.5	103.2
Tolland	7.7	180.5	53.9
Windham	6.4	151.4	45.2
SCC State Total	**142.4**	**3344.4**	**998.8**

Subpart 4.1.3.3: Residential Residual Oil Combustion

N/A SCC 21-04-005-000 retired and not replaced.

Subpart 4.1.3.4: Residential Natural Gas Combustion

SCC: **2104006000** Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types

Sector: Fuel Comb - Residential - Natural Gas

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	58.1	993.3	422.7
Hartford	71.1	1215	517
Litchfield	5	85.8	36.5
Middlesex	4.1	70.8	30.1
New Haven	55	940.8	400.3
New London	6.6	112	47.7
Tolland	2.9	49.2	20.9
Windham	2	34.9	14.9
SCC State Total	**204.8**	**3501.8**	**1490.1**

Subpart 4.1.3.5: Residential LPG Combustion

SCC: **2104007000** Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) – Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	11.5	294.2	83.4
Hartford	10.9	279.9	79.4
Litchfield	4.7	120.8	34.3
Middlesex	4.6	117.3	33.3
New Haven	9.5	244	69.2
New London	6.3	162.7	46.1
Tolland	3.9	100.3	28.4
Windham	2.3	59.7	16.9
SCC State Total	**53.7**	**1378.9**	**391**

Subpart 4.1.3.6: Residential Wood Combustion

SCC: **2104008100** Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008210** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008220** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008230** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008310** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008320** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008330** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008400** Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008510** Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood- fired, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008530** Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, pellet-fired, general

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008610** Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008620** Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: indoor

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008630** Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: pellet-fired

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2104008700** Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	431.7	59.4	3403.3
Hartford	407.8	56.1	3215.1
Litchfield	128.5	17.7	1013
Middlesex	100.3	13.8	790.6
New Haven	377.4	51.9	2975.5
New London	150.3	20.7	1184.6
Tolland	86.2	11.9	679.4
Windham	69.9	9.6	550.8
SCC State Total	**1752.1**	**241.1**	**13812.3**

SCC: **2104009000** Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.3.7: Residential Kerosene Combustion

SCC: **2104011000** Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.1	3	0.8
Hartford	0.1	2.6	0.7
Litchfield	0	0.9	0.3
Middlesex	0	0.8	0.2
New Haven	0.1	2.8	0.8
New London	0.1	1.3	0.4
Tolland	0	0.7	0.2
Windham	0	0.6	0.2
SCC State Total	**0.4**	**12.7**	**3.6**

Part 4.2.1: Bulk Plants and Bulk Terminals

SCC: **2501050120** Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	5.2	0	0
Hartford	153.4	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	123.8	0	0
New London	42.7	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**325.1**	**0**	**0**

SCC: **2501055120** Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.2.2: Aviation Gasoline, Stage 1 and 2 Distribution

SCC: **2501080050** Storage and Transport - Petroleum and Petroleum Product Storage - Airports: Aviation Gasoline - Stage 1: Total

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	187.5	0	0
Hartford	219.2	0	0
Litchfield	38.7	0	0
Middlesex	36.3	0	0
New Haven	156	0	0
New London	77.7	0	0
Tolland	56.5	0	0
Windham	84	0	0
SCC State Total	**855.9**	**0**	**0**

SCC: **2501080100** Storage and Transport - Petroleum and Petroleum Product Storage - Airports: Aviation Gasoline - Stage 2: Total

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.4	0	0
Hartford	0.5	0	0
Litchfield	0.1	0	0
Middlesex	0.1	0	0
New Haven	0.3	0	0
New London	0.2	0	0
Tolland	0.1	0	0
Windham	0.2	0	0
SCC State Total	**1.9**	**0**	**0**

Part 4.2.3: Stage I Gasoline Distribution

SCC: **2501060051** Storage and Transport - Petroleum and Petroleum Product Storage – Gasoline Service Stations - Stage 1: Submerged Filling

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	35.2	0	0
Hartford	31.5	0	0
Litchfield	6.7	0	0
Middlesex	7.9	0	0
New Haven	29.6	0	0
New London	12.2	0	0
Tolland	6.1	0	0
Windham	5.2	0	0
SCC State Total	**134.4**	**0**	**0**

SCC: **2501060052** Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2501060053** Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	111.5	0	0
Hartford	99.7	0	0
Litchfield	21.1	0	0
Middlesex	24.9	0	0
New Haven	93.8	0	0
New London	38.6	0	0
Tolland	19.3	0	0
Windham	16.5	0	0
SCC State Total	**425.4**	**0**	**0**

SCC: **2501060201** Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	132.9	0	0
Hartford	119.2	0	0
Litchfield	25.2	0	0
Middlesex	29.6	0	0
New Haven	112.3	0	0
New London	45.8	0	0
Tolland	23.2	0	0
Windham	19.6	0	0
SCC State Total	**507.8**	**0**	**0**

Part 4.2.4: Stage II Refueling

SCC: **2201000062** Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1779.4	0	0
Hartford	1808.3	0	0
Litchfield	294.8	0	0
Middlesex	389.8	0	0
New Haven	1633.8	0	0
New London	585.1	0	0
Tolland	318.7	0	0
Windham	315.7	0	0
SCC State Total	**7125.6**	**0**	**0**

SCC: **2202000062** Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	57	0	0
Hartford	59.7	0	0
Litchfield	7.7	0	0
Middlesex	14	0	0
New Haven	56.4	0	0
New London	22.2	0	0
Tolland	12.6	0	0
Windham	9.4	0	0
SCC State Total	**239**	**0**	**0**

Part 4.2.5: Industrial Processes – Storage and Transfer – Truck or Pipeline

SCC: **2505030120** Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	8.5	0	0
Hartford	7.6	0	0
Litchfield	1.6	0	0
Middlesex	1.9	0	0
New Haven	7.2	0	0
New London	2.9	0	0
Tolland	1.5	0	0
Windham	1.2	0	0
SCC State Total	**32.4**	**0**	**0**

SCC: **2505040120** Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	3206.1	0	0
Hartford	1664.3	0	0
Litchfield	560.1	0	0
Middlesex	93.4	0	0
New Haven	2338.2	0	0
New London	560.1	0	0
Tolland	0	0	0
Windham	93.4	0	0
SCC State Total	**8515.6**	**0**	**0**

Part 4.2.6: Portable Fuel Containers Estimates

SCC: **2501011011** Storage and Transport - Petroleum and Petroleum Product Storage – Residential Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	387.5	0	0
Hartford	245.1	0	0
Litchfield	70.1	0	0
Middlesex	48.5	0	0
New Haven	207	0	0
New London	52.3	0	0
Tolland	26.8	0	0
Windham	26.7	0	0
SCC State Total	**1064**	**0**	**0**

SCC: **2501011012** Storage and Transport - Petroleum and Petroleum Product Storage – Residential Portable Gas Cans - Evaporation (includes Diurnal losses)

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	434.7	0	0
Hartford	275	0	0
Litchfield	78.7	0	0
Middlesex	54.4	0	0
New Haven	232.3	0	0
New London	58.6	0	0
Tolland	30.1	0	0
Windham	30	0	0
SCC State Total	**1193.8**	**0**	**0**

SCC: **2501011013** Storage and Transport - Petroleum and Petroleum Product Storage – Residential Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	608.6	0	0
Hartford	385	0	0
Litchfield	110.2	0	0
Middlesex	76.1	0	0
New Haven	325.2	0	0
New London	82.1	0	0
Tolland	42.1	0	0
Windham	41.9	0	0
SCC State Total	**1671.2**	**0**	**0**

SCC: **2501011014** Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	86.3	0	0
Hartford	54.6	0	0
Litchfield	15.6	0	0
Middlesex	10.8	0	0
New Haven	46.1	0	0
New London	11.6	0	0
Tolland	6	0	0
Windham	5.9	0	0
SCC State Total	**236.9**	**0**	**0**

SCC: **2501011015** Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	20	0	0
Hartford	12.7	0	0
Litchfield	3.6	0	0
Middlesex	2.5	0	0
New Haven	10.7	0	0
New London	2.7	0	0
Tolland	1.4	0	0
Windham	1.4	0	0
SCC State Total	**55**	**0**	**0**

SCC: **2501012011** Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	16.9	0	0
Hartford	10.7	0	0
Litchfield	3.1	0	0
Middlesex	2.1	0	0
New Haven	9	0	0
New London	2.3	0	0
Tolland	1.2	0	0
Windham	1.2	0	0
SCC State Total	**46.5**	**0**	**0**

SCC: **2501012012** Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	13.9	0	0
Hartford	8.8	0	0
Litchfield	2.5	0	0
Middlesex	1.7	0	0
New Haven	7.4	0	0
New London	1.9	0	0
Tolland	1	0	0
Windham	1	0	0
SCC State Total	**38.2**	**0**	**0**

SCC: **2501012013** Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	830.2	0	0
Hartford	525.1	0	0
Litchfield	150.3	0	0
Middlesex	103.9	0	0
New Haven	443.6	0	0
New London	112	0	0
Tolland	57.4	0	0
Windham	57.2	0	0
SCC State Total	**2279.7**	**0**	**0**

SCC: **2501012014** Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	248.6	0	0
Hartford	157.3	0	0
Litchfield	45	0	0
Middlesex	31.1	0	0
New Haven	132.8	0	0
New London	33.5	0	0
Tolland	17.2	0	0
Windham	17.1	0	0
SCC State Total	**682.6**	**0**	**0**

SCC: **2501012015** Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	38.5	0	0
Hartford	24.4	0	0
Litchfield	7	0	0
Middlesex	4.8	0	0
New Haven	20.6	0	0
New London	5.2	0	0
Tolland	2.7	0	0
Windham	2.7	0	0
SCC State Total	**105.9**	**0**	**0**

Part 4.3.1: Solvent – Degreasing

SCC: **2415000000** Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types

Sector: Solvent - Degreasing

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	4928.8	0	0
Hartford	7344.7	0	0
Litchfield	1069.8	0	0
Middlesex	1274.1	0	0
New Haven	4315.9	0	0
New London	2084.1	0	0
Tolland	509.1	0	0
Windham	457.5	0	0
SCC State Total	**21984**	**0**	**0**

Part 4.3.2: Solvent – Dry Cleaning

SCC: **2420000000** Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types

Sector: Solvent - Dry Cleaning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	44.1	0	0
Hartford	21.5	0	0
Litchfield	5.4	0	0
Middlesex	4.4	0	0
New Haven	25.2	0	0
New London	15.6	0	0
Tolland	5.2	0	0
Windham	1.3	0	0
SCC State Total	**122.7**	**0**	**0**

Part 4.3.3: Solvent – Graphic Arts

SCC: **2425000000** Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types

Sector: Solvent - Graphic Arts

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	10356.6	0	0
Hartford	17773.1	0	0
Litchfield	1284.9	0	0
Middlesex	408.1	0	0
New Haven	12376.4	0	0
New London	1443.2	0	0
Tolland	938	0	0
Windham	1943	0	0
SCC State Total	**46523.3**	**0**	**0**

Part 4.3.4: Solvent – Consumer & Commercial Solvent Use

SCC: **2460100000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial – All Personal Care Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	3003.1	0	0
Hartford	2830.7	0	0
Litchfield	575.9	0	0
Middlesex	516.6	0	0
New Haven	2720.2	0	0
New London	850.5	0	0
Tolland	478.8	0	0
Windham	367.9	0	0
SCC State Total	**11343.7**	**0**	**0**

SCC: **2460200000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial – All Household Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	3058.1	0	0
Hartford	2882.5	0	0
Litchfield	586.5	0	0
Middlesex	526.1	0	0
New Haven	2770	0	0
New London	866.1	0	0
Tolland	487.6	0	0
Windham	374.6	0	0
SCC State Total	**11551.5**	**0**	**0**

SCC: **2460400000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial – All Automotive Aftermarket Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	289.7	0	0
Hartford	273.1	0	0
Litchfield	55.6	0	0
Middlesex	49.8	0	0
New Haven	262.4	0	0
New London	82	0	0
Tolland	46.2	0	0
Windham	35.5	0	0
SCC State Total	**1094.3**	**0**	**0**

SCC: **2460500000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial – All Coatings and Related Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1456.4	0	0
Hartford	1372.8	0	0
Litchfield	279.3	0	0
Middlesex	250.5	0	0
New Haven	1319.2	0	0
New London	412.5	0	0
Tolland	232.2	0	0
Windham	178.4	0	0
SCC State Total	**5501.3**	**0**	**0**

SCC: **2460600000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial – All Adhesives and Sealants - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	2796.3	0	0
Hartford	2635.8	0	0
Litchfield	536.3	0	0
Middlesex	481	0	0
New Haven	2532.9	0	0
New London	792	0	0
Tolland	445.9	0	0
Windham	342.5	0	0
SCC State Total	**10562.7**	**0**	**0**

SCC: **2460800000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial – All FIFRA Related Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	2728.9	0	0
Hartford	2572.2	0	0
Litchfield	523.3	0	0
Middlesex	469.4	0	0
New Haven	2471.8	0	0
New London	772.9	0	0
Tolland	435.1	0	0
Windham	334.3	0	0
SCC State Total	**10307.9**	**0**	**0**

SCC: **2460900000** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	107.3	0	0
Hartford	101.2	0	0
Litchfield	20.6	0	0
Middlesex	18.5	0	0
New Haven	97.2	0	0
New London	30.4	0	0
Tolland	17.1	0	0
Windham	13.1	0	0
SCC State Total	**405.4**	**0**	**0**

Part 4.3.5: Solvent – Industrial Surface Coating & Solvent Use

SCC: **2401001000** Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types

Sector: Solvent - Non-Industrial Surface Coating

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	6378	0	0
Hartford	6011.9	0	0
Litchfield	1223.2	0	0
Middlesex	1097.2	0	0
New Haven	5777.2	0	0
New London	1806.4	0	0
Tolland	1017	0	0
Windham	781.3	0	0
SCC State Total	**24092.2**	**0**	**0**

SCC: **2401005000** Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1392.5	0	0
Hartford	1463.4	0	0
Litchfield	377.6	0	0
Middlesex	250.6	0	0
New Haven	1335.5	0	0
New London	479.1	0	0
Tolland	255.5	0	0
Windham	144.5	0	0
SCC State Total	**5698.7**	**0**	**0**

SCC: **2401008000** Solvent Utilization - Surface Coating - Traffic Markings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	699.9	0	0
Hartford	659.8	0	0
Litchfield	134.2	0	0
Middlesex	120.4	0	0
New Haven	634	0	0
New London	198.2	0	0
Tolland	111.6	0	0
Windham	85.7	0	0
SCC State Total	**2643.8**	**0**	**0**

SCC: **2401015000** Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	39.6	0	0
Hartford	28.9	0	0
Litchfield	16.3	0	0
Middlesex	6.4	0	0
New Haven	50.2	0	0
New London	10.5	0	0
Tolland	9.1	0	0
Windham	25.6	0	0
SCC State Total	**186.6**	**0**	**0**

SCC: **2401020000** Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	267.1	0	0
Hartford	940	0	0
Litchfield	89.2	0	0
Middlesex	46.3	0	0
New Haven	236.1	0	0
New London	38.8	0	0
Tolland	30.5	0	0
Windham	13.1	0	0
SCC State Total	**1661.1**	**0**	**0**

SCC: **2401025000** Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	4.9	0	0
Hartford	86.3	0	0
Litchfield	14.7	0	0
Middlesex	0	0	0
New Haven	84.3	0	0
New London	4.9	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**195.1**	**0**	**0**

SCC: **2401030000** Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	9.1	0	0
Hartford	159.4	0	0
Litchfield	9.1	0	0
Middlesex	0	0	0
New Haven	722.9	0	0
New London	159.4	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**1059.9**	**0**	**0**

SCC: **2401040000** Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	465.1	0	0
Litchfield	0	0	0
Middlesex	465.1	0	0
New Haven	465.1	0	0
New London	0	0	0
Tolland	77.5	0	0
Windham	0	0	0
SCC State Total	**1472.8**	**0**	**0**

SCC: **2401055000** Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	186.3	0	0
Hartford	0	0	0
Litchfield	30.1	0	0
Middlesex	25.5	0	0
New Haven	76.4	0	0
New London	117.7	0	0
Tolland	49	0	0
Windham	9.4	0	0
SCC State Total	**494.4**	**0**	**0**

SCC: **2401060000** Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	33.1	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**33.1**	**0**	**0**

SCC: **2401065000** Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	8.2	0	0
Hartford	25.4	0	0
Litchfield	5.2	0	0
Middlesex	3	0	0
New Haven	54.7	0	0
New London	6.1	0	0
Tolland	3.5	0	0
Windham	22.6	0	0
SCC State Total	**128.7**	**0**	**0**

SCC: **2401070000** Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	128.7	0	0
Hartford	510.5	0	0
Litchfield	504.4	0	0
Middlesex	306.2	0	0
New Haven	530.9	0	0
New London	10.5	0	0
Tolland	24.5	0	0
Windham	4.1	0	0
SCC State Total	**2019.8**	**0**	**0**

SCC: **2401075000** Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	573.7	0	0
Hartford	1050.6	0	0
Litchfield	0.3	0	0
Middlesex	158.7	0	0
New Haven	31.9	0	0
New London	2.1	0	0
Tolland	0	0	0
Windham	13	0	0
SCC State Total	**1830.3**	**0**	**0**

SCC: **2401080000** Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	16.6	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	13.6	0	0
New Haven	55.7	0	0
New London	6834.3	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**6920.2**	**0**	**0**

SCC: **2401085000** Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	3.7	0	0
Middlesex	0	0	0
New Haven	3.7	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**7.4**	**0**	**0**

SCC: **2401090000** Solvent Utilization - Surface Coating - Miscellaneous Manufacturing – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	352.4	0	0
Litchfield	140.8	0	0
Middlesex	0	0	0
New Haven	495.9	0	0
New London	0	0	0
Tolland	34.2	0	0
Windham	0	0	0
SCC State Total	**1023.3**	**0**	**0**

SCC: **2401100000** Solvent Utilization - Surface Coating - Industrial Maintenance Coatings – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	548	0	0
Hartford	516.6	0	0
Litchfield	105.1	0	0
Middlesex	94.3	0	0
New Haven	496.4	0	0
New London	155.2	0	0
Tolland	87.4	0	0
Windham	67.1	0	0
SCC State Total	**2070.1**	**0**	**0**

SCC: **2401200000** Solvent Utilization - Surface Coating - Other Special Purpose Coatings – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	21.5	0	0
Hartford	20.2	0	0
Litchfield	4.1	0	0
Middlesex	3.7	0	0
New Haven	19.5	0	0
New London	6.1	0	0
Tolland	3.4	0	0
Windham	2.6	0	0
SCC State Total	**81.1**	**0**	**0**

Part 4.3.6: Asphalt Paving – Cutback and Emulsified

SCC: **2461021000** Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt – Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2461022000** Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt – Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.1: Crops & Livestock Dust

SCC: **2801000003** Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2805001000** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2805001010** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Dairy Cattle

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2805001020** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Broilers

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2805001030** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Layers

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2805001040** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Swine

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2805001050** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Turkeys

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.2: Livestock Waste

SCC: **2805002000** Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	7.9	0	0
Hartford	33.5	0	0
Litchfield	92.5	0	0
Middlesex	17.6	0	0
New Haven	25	0	0
New London	72.9	0	0
Tolland	65.2	0	0
Windham	72.9	0	0
SCC State Total	**387.5**	**0**	**0**

SCC: **2805007100** Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste – Poultry Production - Layers with Dry Manure Management Systems: Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	86.8	0	0
Hartford	112.7	0	0
Litchfield	193.9	0	0
Middlesex	55.3	0	0
New Haven	114	0	0
New London	0	0	0
Tolland	66	0	0
Windham	166	0	0
SCC State Total	**794.7**	**0**	**0**

SCC: **2805009100** Miscellaneous Area Sources - Agriculture Production - Livestock – Poultry production -broilers - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.3	0	0
Hartford	0.2	0	0
Litchfield	0.3	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	2.6	0	0
Tolland	0.3	0	0
Windham	8.6	0	0
SCC State Total	**12.3**	**0**	**0**

SCC: **2805010100** Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.1	0	0
Hartford	0.4	0	0
Litchfield	0.6	0	0
Middlesex	0.3	0	0
New Haven	1.8	0	0
New London	1.8	0	0
Tolland	0.3	0	0
Windham	1.8	0	0
SCC State Total	**7.1**	**0**	**0**

SCC: **2805018000** Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	4.3	0	0
Hartford	35.2	0	0
Litchfield	171.9	0	0
Middlesex	15.8	0	0
New Haven	42.4	0	0
New London	177.5	0	0
Tolland	171.5	0	0
Windham	218.8	0	0
SCC State Total	**837.4**	**0**	**0**

SCC: **2805025000** Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also 28-05-039, -047, -053)

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.5	0	0
Hartford	3.6	0	0
Litchfield	3.4	0	0
Middlesex	1.2	0	0
New Haven	4.2	0	0
New London	6.9	0	0
Tolland	2.1	0	0
Windham	4.9	0	0
SCC State Total	**26.8**	**0**	**0**

SCC: **2805035000** Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	31.7	0	0
Hartford	51.4	0	0
Litchfield	50.1	0	0
Middlesex	34.3	0	0
New Haven	31.3	0	0
New London	44.7	0	0
Tolland	38.7	0	0
Windham	17.9	0	0
SCC State Total	**300.1**	**0**	**0**

SCC: **2805040000** Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1.4	0	0
Hartford	1	0	0
Litchfield	3.3	0	0
Middlesex	0.8	0	0
New Haven	1.3	0	0
New London	3.9	0	0
Tolland	1.4	0	0
Windham	1.8	0	0
SCC State Total	**14.9**	**0**	**0**

SCC: **2805045000** Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1.6	0	0
Hartford	6.6	0	0
Litchfield	4.4	0	0
Middlesex	3.1	0	0
New Haven	1	0	0
New London	5	0	0
Tolland	3.6	0	0
Windham	1.8	0	0
SCC State Total	**27.1**	**0**	**0**

Part 4.4.3: Fertilizer Application

SCC: **2801700099** Miscellaneous Area Sources - Agriculture Production - Crops – Fertilizer Application - Miscellaneous Fertilizers

Sector: Agriculture - Fertilizer Application

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.4: Field Burning

SCC: **2801500000** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500141** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500150** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500151** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500152** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - DoubleCrop Corn and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500160** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500171** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - Fallow

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500220** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500250** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500262** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - Field Crop is Wheat: Backfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500263** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - DoubleCrop Winter Wheat and Cotton

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2801500264** Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning – whole field set on fire - DoubleCrop Winter Wheat and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.5: Pesticide

SCC: **2461850000** Solvent Utilization - Miscellaneous Non-industrial: Commercial – Pesticide Application: Agricultural - All Processes

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	18	0	0
Hartford	159.5	0	0
Litchfield	82.8	0	0
Middlesex	31.9	0	0
New Haven	78.8	0	0
New London	62.3	0	0
Tolland	71.9	0	0
Windham	72.7	0	0
SCC State Total	**577.9**	**0**	**0**

Part 4.5.1: Paved Roads

SCC: **2294000000** Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2294000002** Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.5.2: Unpaved Roads

SCC: **2296000000** Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives

Sector: Dust - Unpaved Road Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.5.3.1: Non-Residential Construction

SCC: **2311010000** Industrial Processes - Construction: SIC 15 - 17 - Residential - Total

Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.5.3.2: Residential Construction

SCC: **2311020000** Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total

Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.5.3.3: Road Construction

SCC: **2311030000** Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total

Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subsection 4.6: Oil and Gas Production

SCC: **2310000220** Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310000551** Industrial Processes - Oil and Gas Exploration and Production - All Processes – Produced Water from CBM Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310000552** Industrial Processes - Oil and Gas Exploration and Production - All Processes – Produced Water from Gas Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310000553** Industrial Processes - Oil and Gas Exploration and Production - All Processes – Produced Water from Oil Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310000660** Industrial Processes - Oil and Gas Exploration and Production - All Processes – Hydraulic Fracturing Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310010100** Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum – Oil Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310010200** Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum – Oil Well Tanks - Flashing & Standing/Working/Breathing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310010300** Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum – Oil Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011001** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Associated Gas Venting

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011201** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011501** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011502** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011503** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011505** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310011600** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Artificial Lift Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021010** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Storage Tanks: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021030** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021100** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021102** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021202** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021251** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021300** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021302** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021351** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021400** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021501** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021502** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021503** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021505** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021506** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310021603** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023102** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas – CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023202** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023300** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas – Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023302** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas – CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023310** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas – Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023511** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023512** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas – Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023513** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023515** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023516** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310023600** Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310111100** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310111401** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310111700** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310121100** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310121401** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2310121700** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.7.1: Mining and Quarrying

SCC: **2325000000** Industrial Processes - Mining and Quarrying: SIC 10 and SIC 14 - All Processes - Total

Sector: Industrial Processes - Mining

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.7.2: Commercial Cooking

SCC: **2302002100** Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling

Sector: Commercial Cooking

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	65	0	216.8
Hartford	59.1	0	197.1
Litchfield	11	0	36.7
Middlesex	10.7	0	35.5
New Haven	59.2	0	197.3
New London	15.6	0	52.1
Tolland	6.9	0	22.9
Windham	5.9	0	19.5
SCC State Total	**233.4**	**0**	**777.9**

SCC: **2302002200** Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling

Sector: Commercial Cooking

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	221.4	0	724.3
Hartford	188.2	0	615.8
Litchfield	38	0	124.2
Middlesex	36.6	0	119.8
New Haven	190.3	0	622.6
New London	51.2	0	167.4
Tolland	21.5	0	70.2
Windham	16.9	0	55.3
SCC State Total	**764.1**	**0**	**2499.6**

SCC: **2302003000** Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying

Sector: Commercial Cooking

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	46.1	0	0
Hartford	40.6	0	0
Litchfield	7.5	0	0
Middlesex	7.7	0	0
New Haven	41.1	0	0
New London	11	0	0
Tolland	4.7	0	0
Windham	3.8	0	0
SCC State Total	**162.5**	**0**	**0**

SCC: **2302003100** Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying

Sector: Commercial Cooking

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	28.8	0	59.8
Hartford	24.7	0	51.4
Litchfield	5.1	0	10.6
Middlesex	4.7	0	9.8
New Haven	24.9	0	51.7
New London	6.7	0	13.9
Tolland	2.8	0	5.9
Windham	2.3	0	4.7
SCC State Total	**100**	**0**	**207.8**

SCC: **2302003200** Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying

Sector: Commercial Cooking

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1.5	0	0
Hartford	1.3	0	0
Litchfield	0.2	0	0
Middlesex	0.3	0	0
New Haven	1.3	0	0
New London	0.3	0	0
Tolland	0.2	0	0
Windham	0.1	0	0
SCC State Total	**5.2**	**0**	**0**

Part 4.7.3: Residential Charcoal Grilling

SCC: **2810025000** Miscellaneous Area Sources - Other Combustion – Residential Grilling (see 23-02-002-xxx for Commercial) - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	154.2	58.2	2812.6
Hartford	154.2	58.2	2813.4
Litchfield	38	14.3	692.9
Middlesex	31.7	11.9	577.8
New Haven	144.8	54.6	2641
New London	50.5	19	920.6
Tolland	26.2	9.9	477.1
Windham	21.6	8.2	394.8
SCC State Total	**621.2**	**234.3**	**11330.2**

Subsection 4.8: Prescribed Burning and Wildfires (Events)

SCC: **2810001001** Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering

Sector: Fires - Wildfires

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	3.9	0.1	16.6
Hartford	1.3	0	5.5
Litchfield	36.9	0.7	158.1
Middlesex	6.9	0.1	29.7
New Haven	14.6	0.3	62.6
New London	3.5	0.1	14.9
Tolland	2	0	8.6
Windham	5	0.1	21.4
SCC State Total	**74.1**	**1.4**	**317.4**

SCC: **2810001002** Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming

Sector: Fires - Wildfires

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	15.6	1.1	65.7
Hartford	7.8	0.7	32.7
Litchfield	166.9	12.4	704
Middlesex	24.6	1.9	103.8
New Haven	78.7	6.3	331.5
New London	17.7	1.4	74.8
Tolland	12.5	1.1	52.4
Windham	23.6	1.7	99.5
SCC State Total	**347.4**	**26.6**	**1464.4**

SCC: **2811015001** Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering

Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2811015002** Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming

Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.9.1: Greenwaste Composting

SCC: **2680003000** Waste Disposal, Treatment, and Recovery - Composting – 100% Green Waste (e.g., residential or municipal yard wastes) - All Processes

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	3188.9	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	531.5	0	0
New London	531.5	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**4251.9**	**0**	**0**

Subpart 4.9.2.1: Yard Waste – Brush and Leaves

SCC: **2610000100** Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2610000400** Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	6.2	1.4	24.8
Hartford	14.3	3.2	57.1
Litchfield	23.2	5.1	93
Middlesex	12	2.7	48
New Haven	4.6	1	18.5
New London	20.9	4.6	83.5
Tolland	17.2	3.8	68.9
Windham	17.4	3.9	69.6
SCC State Total	**115.8**	**25.7**	**463.4**

Subpart 4.9.2.2: Open Burning of Land Clearing Debris

SCC: **2610000500** Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.9.2.3: Household Waste

SCC: **2610030000** Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.9.3: Publicly Owned Treatment Works (POTW)

SCC: **2630020000** Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	124.6	0	0
Hartford	0	0	0
Litchfield	12.7	0	0
Middlesex	28.7	0	0
New Haven	111.8	0	0
New London	25.6	0	0
Tolland	8.2	0	0
Windham	9.9	0	0
SCC State Total	**321.5**	**0**	**0**

Part 4.9.4: Emissions Calculated by EPA's Mercury Tool – Human Cremation

SCC: **2620030001** Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2650000000** Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2650000002** Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2810060100** Miscellaneous Area Sources - Other Combustion - Cremation - Humans

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.3	3.2	2.7
Hartford	0.3	3.8	3.2
Litchfield	0.1	0.9	0.7
Middlesex	0.1	0.7	0.6
New Haven	0.3	3.7	3
New London	0.1	1.2	1
Tolland	0	0.5	0.4
Windham	0	0.5	0.4
SCC State Total	**1.2**	**14.5**	**12**

SCC: **2810060200** Miscellaneous Area Sources - Other Combustion - Cremation - Animals

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2850001000** Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2851001000** Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2861000000** Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Non-recycling Related Emissions: Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: **2861000010** Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Recycling Related Emissions: Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.9.5: CT Landfill Emissions Estimates

SCC: **2620030000** Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	271.9	0	0
Hartford	732.7	0	0
Litchfield	562.1	0	0
Middlesex	14	0	0
New Haven	128.6	0	0
New London	61.8	0	0
Tolland	31.4	0	0
Windham	38.3	0	0
SCC State Total	**1840.8**	**0**	**0**

Table I-3: Area Source Sector Groups

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-01-000-003	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agriculture - Crops _ Tilling
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Beef cattle - finishing operations on feedlots (drylots)
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-010	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Dairy Cattle
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-020	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Broilers
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-030	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Layers
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-040	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Swine
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-050	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Turkeys
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-002-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Beef cattle production composite _ Not Elsewhere Classified
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-007-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry Waste _ Poultry Production - Layers with Dry Manure Management Systems: Confinement
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-009-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry production - broilers _ Confinement
Agriculture	4.4.2	Agriculture - Crops & Livestock Dust	28-05-010-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry production - turkeys _ Confinement
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-018-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dairy cattle composite _ Not Elsewhere Classified
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-025-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Swine production composite _ Not Elsewhere Classified (see also 28-05-039, -047, -053)

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-035-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Horses and Ponies Waste Emissions _ Not Elsewhere Classified
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-040-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Sheep and Lambs Waste Emissions _ Total
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-045-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Goats Waste Emissions _ Not Elsewhere Classified
Agriculture	4.4.3	Agriculture Fertilizer and Tilling	28-01-700-099	Miscellaneous Area Sources _ Agriculture Production - Crops _ Fertilizer Application _ Miscellaneous Fertilizers
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-000	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Unspecified crop type and Burn Method
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-141	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Field Crop is Bean (red): Headfire Burning
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-150	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Field Crop is Corn: Burning Techniques Not Important
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-151	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Double Crop Winter Wheat and Corn
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-152	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ DoubleCrop Corn and Soybeans
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-160	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Field Crop is Cotton: Burning Techniques Not Important
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-171	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Fallow
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-220	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Field Crop is Rice: Burning Techniques Not Significant

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-250	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Field Crop is Sugar Cane: Burning Techniques Not Significant
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-262	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Field Crop is Wheat: Backfire Burning
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-263	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ DoubleCrop Winter Wheat and Cotton
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-264	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ DoubleCrop Winter Wheat and Soybeans
Agriculture	4.4.5	Agricultural Pesticide	24-61-850-000	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Pesticide Application: Agricultural _ All Processes
Asphalt Paving – Cutback and Emulsified	4.3.6	Asphalt Paving – Cutback and Emulsified	24-61-021-000	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Cutback Asphalt _ Total: All Solvent Types
Asphalt Paving – Cutback and Emulsified	4.3.6	Asphalt Paving – Cutback and Emulsified	24-61-022-000	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Emulsified Asphalt _ Total: All Solvent Types
Aviation Gasoline Distribution	4.2.2	Aviation Gasoline Distribution	25-01-080-050	Storage and Transport _ Petroleum and Petroleum Product Storage _ Airports : Aviation Gasoline _ Stage 1: Total
Aviation Gasoline Distribution	4.2.2	Aviation Gasoline Distribution	25-01-080-100	Storage and Transport _ Petroleum and Petroleum Product Storage _ Airports : Aviation Gasoline _ Stage 2: Total
Bulk Plants and Terminals	4.2.1	Bulk Plants and Terminals	25-01-050-120	Storage and Transport _ Petroleum and Petroleum Product Storage _ Bulk Terminals: All Evaporative Losses _ Gasoline
Bulk Plants and Terminals	4.2.1	Bulk Plants and Terminals	25-01-055-120	Storage and Transport _ Petroleum and Petroleum Product Storage _ Bulk Plants: All Evaporative Losses _ Gasoline
Commercial Cooking	4.7.2	Commercial Cooking	23-02-002-100	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Charbroiling _ Conveyorized Charbroiling
Commercial Cooking	4.7.2	Commercial Cooking	23-02-002-200	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Charbroiling _ Under-fired Charbroiling

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Commercial Cooking	4.7.2	Commercial Cooking	23-02-003-000	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Frying _ Deep Fat Frying
Commercial Cooking	4.7.2	Commercial Cooking	23-02-003-100	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Frying _ Flat Griddle Frying
Commercial Cooking	4.7.2	Commercial Cooking	23-02-003-200	Industrial Processes _ Food and Kindred Products: SIC 20 _ Commercial Cooking - Frying _ Clamshell Griddle Frying
Construction Dust	4.5.3.1	Residential Construction Dust	23-11-010-000	Industrial Processes _ Construction: SIC 15 - 17 _ Residential _ Total
Construction Dust	4.5.3.2	Non-ResidentiaConstruction Dust	23-11-020-000	Industrial Processes _ Construction: SIC 15 - 17 _ Industrial/Commercial/Institutional _ Total
Construction Dust	4.5.3.3	Road Construction Construction Dust	23-11-030-000	Industrial Processes _ Construction: SIC 15 - 17 _ Road Construction _ Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	26-20-030-001	Waste Disposal, Treatment, and Recovery _ Landfills _ Municipal _ Dumping/Crushing/Spreading of New Materials (working face)
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	26-50-000-000	Waste Disposal, Treatment, and Recovery _ Scrap and Waste Materials _ Scrap and Waste Materials _ Total: All Processes
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	26-50-000-002	Waste Disposal, Treatment, and Recovery _ Scrap and Waste Materials _ Scrap and Waste Materials _ Shredding
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-10-060-100	Miscellaneous Area Sources _ Other Combustion _ Cremation _ Humans
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-10-060-200	Miscellaneous Area Sources _ Other Combustion _ Cremation _ Animals
Cremation or Other Nonpoint Non-Combustion-	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-50-001-000	Miscellaneous Area Sources _ Health Services _ Dental Alloy Production _ Overall Process

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Related Mercury Soures				
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-51-001-000	Miscellaneous Area Sources _ Laboratories _ Bench Scale Reagents _ Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-61-000-000	Miscellaneous Area Sources _ Fluorescent Lamp Breakage _ Fluorescent Lamp Breakage _ Non-recycling Related Emissions: Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-61-000-010	Miscellaneous Area Sources _ Fluorescent Lamp Breakage _ Fluorescent Lamp Breakage _ Recycling Related Emissions: Total
Fuel Combustion Commercial and Institutional Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-03-001-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Anthracite Coal _ Total: All Boiler Types
Fuel Combustion Commercial and Institutional Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-03-002-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Bituminous/Subbituminous Coal _ Total: All Boiler Types
Fuel Combustion Commercial and Institutional Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-03-004-001	Stationary Source Fuel Combustion _ Commercial/Institutional _ Distillate Oil _ Boilers
Fuel Combustion Commercial and Institutional Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-03-004-002	Stationary Source Fuel Combustion _ Commercial/Institutional _ Distillate Oil _ IC Engines
Fuel Combustion Commercial and Institutional Kerosene	4.1.2.7	Fuel Combustion Industrial, Commercial and Institutional Kerosene	21-03-011-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Kerosene _ Total: All Combustor Types
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	4.1.2.5	Fuel Combustion Industrial, Commercial and Institutional Liquified Petroleum Gas (LPG)	21-03-007-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Liquified Petroleum Gas (LPG) _ Total: All Combustor Types
Fuel Combustion Commercial and	4.1.2.4	Fuel Combustion Industrial, Commercial	21-03-006-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Natural Gas _ Total: Boilers and IC Engines

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Institutional Natural Gas		and Institutional Natural Gas		
Fuel Combustion Commercial and Institutional Residual Oil	4.1.2.3	Fuel Combustion Industrial, Commercial and Institutional Residual Oil	21-03-005-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Residual Oil _ Total: All Boiler Types
Fuel Combustion Commercial and Institutional Wood	4.1.2.6	Fuel Combustion Industrial, Commercial and Institutional Wood	21-03-008-000	Stationary Source Fuel Combustion _ Commercial/Institutional _ Wood _ Total: All Boiler Types
Fuel Combustion Industrial Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-02-001-000	Stationary Source Fuel Combustion _ Industrial _ Anthracite Coal _ Total: All Boiler Types
Fuel Combustion Industrial Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-02-002-000	Stationary Source Fuel Combustion _ Industrial _ Bituminous/Subbituminous Coal _ Total: All Boiler Types
Fuel Combustion Industrial Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-02-004-001	Stationary Source Fuel Combustion _ Industrial _ Distillate Oil _ All Boiler Types
Fuel Combustion Industrial Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-02-004-002	Stationary Source Fuel Combustion _ Industrial _ Distillate Oil _ All IC Engine Types
Fuel Combustion Industrial Kerosene	4.1.2.7	Fuel Combustion Industrial, Commercial and Institutional Kerosene	21-02-011-000	Stationary Source Fuel Combustion _ Industrial _ Kerosene _ Total: All Boiler Types
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	4.1.2.5	Fuel Combustion Industrial, Commercial and Institutional Liquified Petroleum Gas (LPG)	21-02-007-000	Stationary Source Fuel Combustion _ Industrial _ Liquified Petroleum Gas (LPG) _ Total: All Boiler Types
Fuel Combustion Industrial Natural Gas	4.1.2.4	Fuel Combustion Industrial, Commercial and Institutional Natural Gas	21-02-006-000	Stationary Source Fuel Combustion _ Industrial _ Natural Gas _ Total: Boilers and IC Engines
Fuel Combustion Industrial Residual Oil	4.1.2.3	Fuel Combustion Industrial, Commercial and Institutional Residual Oil	21-02-005-000	Stationary Source Fuel Combustion _ Industrial _ Residual Oil _ Total: All Boiler Types
Fuel Combustion Industrial Wood	4.1.2.6	Fuel Combustion Industrial, Commercial and Institutional Wood	21-02-008-000	Stationary Source Fuel Combustion _ Industrial _ Wood _ Total: All Boiler Types

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-051	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Stage 1: Submerged Filling
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-052	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Stage 1: Splash Filling
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-053	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Stage 1: Balanced Submerged Filling
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-201	Storage and Transport _ Petroleum and Petroleum Product Storage _ Gasoline Service Stations _ Underground Tank: Breathing and Emptying
Gas Stations - Stage II	4.2.4	Gas Stations - Stage II	22-01-00-0062	Mobile Sources _ Highway Vehicles - Gasoline _ Refueling _ Total Spillage and Displacement
Gas Stations - Stage II	4.2.4	Gas Stations - Stage II	22-02-00-0062	Mobile Sources _ Highway Vehicles - Diesel _ Refueling _ Total Spillage and Displacement
Industrial Processes - Storage and Transfer - Truck or Pipeline	4.2.5	Industrial Processes - Storage and Transfer - Truck or Pipeline	25-05-030-120	Storage and Transport _ Petroleum and Petroleum Product Transport _ Truck _ Gasoline
Industrial Processes - Storage and Transfer - Truck or Pipeline	4.2.5	Industrial Processes - Storage and Transfer - Truck or Pipeline	25-05-040-120	Storage and Transport _ Petroleum and Petroleum Product Transport _ Pipeline _ Gasoline
Mining and Quarrying	4.7.1	Mining and Quarrying	23-25-000-000	Industrial Processes _ Mining and Quarrying: SIC 10 and SIC 14 _ All Processes _ Total
Municipal Landfill Emissions	4.9.5	Municipal Landfill Emissions	26-20-030-000	Waste Disposal, Treatment, and Recovery _ Landfills _ Municipal _ Total
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-220	Industrial Processes _ Oil and Gas Exploration and Production _ All Processes _ Drill Rigs
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-551	Industrial Processes _ Oil and Gas Exploration and Production _ All Processes _ Produced Water from CBM Wells
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-552	Industrial Processes _ Oil and Gas Exploration and Production _ All Processes _ Produced Water from Gas Wells

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-553	Industrial Processes _ Oil and Gas Exploration and Production _ All Processes _ Produced Water from Oil Wells
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-660	Industrial Processes _ Oil and Gas Exploration and Production _ All Processes _ Hydraulic Fracturing Engines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-010-100	Industrial Processes _ Oil and Gas Exploration and Production _ Crude Petroleum _ Oil Well Heaters
Oil and Gas Production	4.6	Oil and Gas Production	23-10-010-200	Industrial Processes _ Oil and Gas Exploration and Production _ Crude Petroleum _ Oil Well Tanks - Flashing & Standing/Working/Breathing
Oil and Gas Production	4.6	Oil and Gas Production	23-10-010-300	Industrial Processes _ Oil and Gas Exploration and Production _ Crude Petroleum _ Oil Well Pneumatic Devices
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-001	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Associated Gas Venting
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-201	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Tank Truck/Railcar Loading: Crude Oil
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-501	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Fugitives: Connectors
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-502	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Fugitives: Flanges
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-503	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Fugitives: Open Ended Lines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-505	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Fugitives: Valves
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-600	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Production _ Artificial Lift Engines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-010	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Storage Tanks: Condensate
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-030	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Tank Truck/Railcar Loading: Condensate

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-100	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Gas Well Heaters
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-102	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-202	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-251	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Lateral Compressors 4 Cycle Lean Burn
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-300	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Gas Well Pneumatic Devices
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-302	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-351	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Lateral Compressors 4 Cycle Rich Burn
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-400	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Gas Well Dehydrators
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-501	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Fugitives: Connectors
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-502	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Fugitives: Flanges
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-503	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Fugitives: Open Ended Lines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-505	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Fugitives: Valves
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-506	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Fugitives: Other

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-603	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Production _ Gas Well Venting - Blowdowns
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-102	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-202	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-300	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Pneumatic Devices
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-302	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-310	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Pneumatic Pumps
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-511	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Fugitives: Connectors
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-512	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Fugitives: Flanges
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-513	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Fugitives: Open Ended Lines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-515	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Fugitives: Valves
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-516	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ Fugitives: Other
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-600	Industrial Processes _ Oil and Gas Exploration and Production _ Coal Bed Methane Natural Gas _ CBM Well Completion: All Processes
Oil and Gas Production	4.6	Oil and Gas Production	23-10-111-100	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Exploration _ Mud Degassing

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Oil and Gas Production	4.6	Oil and Gas Production	23-10-111-401	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Exploration _ Oil Well Pneumatic Pumps
Oil and Gas Production	4.6	Oil and Gas Production	23-10-111-700	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Oil Exploration _ Oil Well Completion: All Processes
Oil and Gas Production	4.6	Oil and Gas Production	23-10-121-100	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Exploration _ Mud Degassing
Oil and Gas Production	4.6	Oil and Gas Production	23-10-121-401	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Exploration _ Gas Well Pneumatic Pumps
Oil and Gas Production	4.6	Oil and Gas Production	23-10-121-700	Industrial Processes _ Oil and Gas Exploration and Production _ On-Shore Gas Exploration _ Gas Well Completion: All Processes
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-011	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Permeation
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-012	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Evaporation (includes Diurnal losses)
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-013	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Spillage During Transport
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-014	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Refilling at the Pump - Vapor Displacement
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-015	Storage and Transport _ Petroleum and Petroleum Product Storage _ Residential Portable Gas Cans _ Refilling at the Pump - Spillage
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-011	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Permeation
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-012	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Evaporation (includes Diurnal losses)

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-013	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Spillage During Transport
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-014	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Refilling at the Pump - Vapor Displacement
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-015	Storage and Transport _ Petroleum and Petroleum Product Storage _ Commercial Portable Gas Cans _ Refilling at the Pump - Spillage
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-10-001-001	Miscellaneous Area Sources _ Other Combustion _ Forest Wildfires _ Smoldering
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-10-001-002	Miscellaneous Area Sources _ Other Combustion _ Forest Wildfires _ Flaming
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-11-015-001	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Smoldering
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-11-015-002	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Flaming
Publically Owned Treatment Works (POTW)	4.9.3	Publically Owned Treatment Works (POTW)	26-30-020-000	Waste Disposal, Treatment, and Recovery _ Wastewater Treatment _ Public Owned _ Total Processed
Residential Charcoal Grilling	4.7.3	Residential Charcoal Grilling	28-10-025-000	Miscellaneous Area Sources _ Other Combustion _ Residential Grilling (see 23-02-002-xxx for Commercial) _ Total
Residential Heating: Coal	4.1.3.1	Residential Heating: Coal	21-04-001-000	Stationary Source Fuel Combustion _ Residential _ Anthracite Coal _ Total: All Combustor Types
Residential Heating: Coal	4.1.3.1	Residential Heating: Coal	21-04-002-000	Stationary Source Fuel Combustion _ Residential _ Bituminous/Subbituminous Coal _ Total: All Combustor Types
Residential Heating: Distillate Oil	4.1.3.2	Residential Heating: Distillate Oil	21-04-004-000	Stationary Source Fuel Combustion _ Residential _ Distillate Oil _ Total: All Combustor Types
Residential Heating: Kerosene	4.1.3.7	Residential Heating: Kerosene	21-04-011-000	Stationary Source Fuel Combustion _ Residential _ Kerosene _ Total: All Heater Types
Residential Heating: LPG	4.1.3.5	Residential Heating: LPG	21-04-007-000	Stationary Source Fuel Combustion _ Residential _ Liquified Petroleum Gas (LPG) _ Total: All Combustor Types

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Residential Heating: Natural Gas	4.1.3.4	Residential Heating: Natural Gas	21-04-006-000	Stationary Source Fuel Combustion _ Residential _ Natural Gas _ Total: All Combustor Types
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-100	Stationary Source Fuel Combustion _ Residential _ Wood _ Fireplace: general
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-210	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-220	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; EPA certified; non-catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-230	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; EPA certified; catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-310	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-320	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, EPA certified, non-catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-330	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, EPA certified, catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-400	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: pellet-fired, general (freestanding or FP insert)
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-510	Stationary Source Fuel Combustion _ Residential _ Wood _ Furnace: Indoor, cordwood-fired, non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-530	Stationary Source Fuel Combustion _ Residential _ Wood _ Furnace: Indoor, pellet-fired, general
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-610	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: outdoor
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-620	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: indoor
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-630	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: pellet-fired
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-700	Stationary Source Fuel Combustion _ Residential _ Wood _ Outdoor wood burning device, NEC (fire-pits, chimeas, etc)

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-009-000	Stationary Source Fuel Combustion _ Residential _ Firelog _ Total: All Combustor Types
Road Dust	4.5.1	Paved Roads	22-94-000-000	Mobile Sources _ Paved Roads _ All Paved Roads _ Total: Fugitives
Road Dust	4.5.1	Paved Roads	22-94-000-002	Mobile Sources _ Paved Roads _ All Paved Roads _ Total: Sanding/Salting - Fugitives
Road Dust	4.5.2	Unpaved Roads	22-96-000-000	Mobile Sources _ Unpaved Roads _ All Unpaved Roads _ Total: Fugitives
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-100-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Personal Care Products _ Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-200-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Household Products _ Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-400-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Automotive Aftermarket Products _ Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-500-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Coatings and Related Products _ Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-600-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All Adhesives and Sealants _ Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-800-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ All FIFRA Related Products _ Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-900-000	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ Miscellaneous Products (Not Otherwise Covered) _ Total: All Solvent Types
Solvent – Degreasing	4.3.1	Solvent – Degreasing	24-15-000-000	Solvent Utilization _ Degreasing _ All Processes/All Industries _ Total: All Solvent Types
Solvent - Dry Cleaning	4.3.2	Solvent - Dry Cleaning	24-20-000-000	Solvent Utilization _ Dry Cleaning _ All Processes _ Total: All Solvent Types
Solvent - Graphic Arts	4.3.3	Solvent - Graphic Arts	24-25-000-000	Solvent Utilization _ Graphic Arts _ All Processes _ Total: All Solvent Types

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-001-000	Solvent Utilization _ Surface Coating _ Architectural Coatings _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-005-000	Solvent Utilization _ Surface Coating _ Auto Refinishing: SIC 7532 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-008-000	Solvent Utilization _ Surface Coating _ Traffic Markings _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-015-000	Solvent Utilization _ Surface Coating _ Factory Finished Wood: SIC 2426 thru 242 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-020-000	Solvent Utilization _ Surface Coating _ Wood Furniture: SIC 25 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-025-000	Solvent Utilization _ Surface Coating _ Metal Furniture: SIC 25 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-030-000	Solvent Utilization _ Surface Coating _ Paper: SIC 26 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-040-000	Solvent Utilization _ Surface Coating _ Metal Cans: SIC 341 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	Solvent Utilization _ Surface Coating _ Machinery and Equipment: SIC 35 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-060-000	Solvent Utilization _ Surface Coating _ Large Appliances: SIC 363 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-065-000	Solvent Utilization _ Surface Coating _ Electronic and Other Electrical: SIC 36 - 363 _ Total: All Solvent Types

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-070-000	Solvent Utilization _ Surface Coating _ Motor Vehicles: SIC 371 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Solvent Utilization _ Surface Coating _ Aircraft: SIC 372 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-080-000	Solvent Utilization _ Surface Coating _ Marine: SIC 373 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-085-000	Solvent Utilization _ Surface Coating _ Railroad: SIC 374 _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-090-000	Solvent Utilization _ Surface Coating _ Miscellaneous Manufacturing _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-100-000	Solvent Utilization _ Surface Coating _ Industrial Maintenance Coatings _ Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-200-000	Solvent Utilization _ Surface Coating _ Other Special Purpose Coatings _ Total: All Solvent Types
Waste Disposal Open Burning	4.9.2.1	Waste Disposal Open Burning Brush and Leaves	26-10-000-100	Waste Disposal, Treatment, and Recovery _ Open Burning _ All Categories _ Yard Waste - Leaf Species Unspecified
Waste Disposal Open Burning	4.9.2.1	Waste Disposal Open Burning Brush and Leaves	26-10-000-400	Waste Disposal, Treatment, and Recovery _ Open Burning _ All Categories _ Yard Waste - Brush Species Unspecified
Waste Disposal Open Burning	4.9.2.2	Waste Disposal Open Burning Land Clearing Debris	26-10-000-500	Waste Disposal, Treatment, and Recovery _ Open Burning _ All Categories _ Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)
Waste Disposal Open Burning	4.9.2.3	Waste Disposal Open Burning Household Waste	26-10-030-000	Waste Disposal, Treatment, and Recovery _ Open Burning _ Residential _ Household Waste (use 26-10-000-xxx for Yard Wastes)
Waste Recycling Composting	4.9.1	Waste Recycling Composting	26-80-003-000	Waste Disposal, Treatment, and Recovery _ Composting _ 100% Green Waste (e.g., residential or municipal yard wastes) _ All Processes

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