R-39 REV. 1 77

IMPORTANT: Read Instructions on bottom of Certification Page before completing this form. Failure to comply with instructions may cause disapproval of proposed regulations.

STATE OF CONNECTICUT
REGULATION
OF

NAME OF AGENCY
Department of Environmental Protection

Concerning

SUBJECT MATTER OF REGULATION
Air Pollution Control

SECTION _____

Section 19-508-20 of the Regulations of Connecticut State Agencies is Amended as Follows:

Section 1

Subsection (a)of 19-508-20 is amended by the addition of subdivision (4) as follows:

(NEW)(a)(4) The provisions of subdivision (a)(3) shall not apply to the loading of volatile organic compounds into any storage vessel having a capacity of less than one-thousand (1,000) gallons which was installed prior to June 1, 1972, nor to any underground storage vessel installed prior to June 1, 1972, where the fill pipe between the fill connection and the storage vessel is an offset fill pipe.

Section 2

Subdivisions (5) through (7) inclusive of subsection (b) of section 19-508-20 are amended as follows:

(b)(5) By [January 1, 1982], DECEMBER 31, 1982 any person who owns or operates any dispensing facility with a stationary storage tank for gasoline having a capacity of more than [2,000] TWO THOUSAND (2,000) gallons and an annual throughput of [120,000] ONE HUNDRED TWENTY THOUSAND (120,000) gallons or more shall install at each stationary storage tank an approved control system.

(b)(6) After [January 1, 1982], DECEMBER 31, 1982 no person shall install any stationary storage tank for gasoline with a capacity of more than [250] TWO HUNDRED FIFTY (250) gallons and an annual throughput of [120,000] ONE HUNDRED TWENTY THOUSAND (120,000) gallons or more unless the tank has an approved control system.

(b)(7) Effective [May 31, 1982], MAY 31, 1983 no person shall transfer or allow the transfer of gasoline from a delivery vehicle to a stationary storage tank subject to the provisions of subdivisions (b)(5) and (b)(6) unless the transfer is made through:

(i) a properly maintained and operated approved control system; and

(ii) piping, valves, fittings, and connections on the delivery vehicle so that the rated collection efficiency of the control system is attained for any transfer.

Section 3

Subdivision (2) of subsection (1) of section 19-508-20 is amended as follows:

(1)(2) The provisions of this subsection apply with the following exceptions.

(i) Open top vapor degreasers with an open area [similar] SMALLER than one (1) square meter (10.8 square feet) are exempt from the provisions of subparagraph (1)(4)(iii);

(ii) Conveyorized degreasers with an air/vapor interface smaller than [2.0] TWO (2) square meters (21.6 square feet) are exempt from the provisions of [subdivision] SUBPARAGRAPH (1)(5)(i);

(iii) Metal cleaning equipment in operation prior to July 1, 1980 which meets the requirements of subsection (f) IS EXEMPT FROM THE PROVISIONS OF SUBDIVISIONS (1)(4) AND (1)(5);

(iv) Metal cleaning equipment which uses 1,1,1 trichloroethane, methylene-chloride, or trichlorotrifluoroethane[.];

(v) COLD CLEANING EQUIPMENT WHICH IS USED IN A LICENSED AUTOMOBILE REPAIR FACILITY IS EXEMPT FROM THE PROVISIONS OF SUBDIVISION (1)(3).

Section 4

Subdivision (5) of subsection (1) of section 19-508-20 is amended as follows:

(1)(5) After July 1, 1980 the owner or operator of a conveyorized degreaser shall:

(i) Install one of the following control devices:

(a) Refrigerated chiller; or

(b) Carbon adsorption system, with ventilation greater than or equal to [15] FIFTEEN (15) cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area (when downtime covers are open), and exhausting less than [25] TWENTY FIVE (25) parts per million of degreasing solvent by volume averaged over a complete adsorption cycle; or,

(c) A system, demonstrated to have a control efficiency equivalent to or greater than the above and approved by the [commissioner] COMMISSIONER; and,

(ii) Provide the following safety switches:

(a) A condenser flow switch and thermostat which shuts off the heat if the condenser coolant is either not circulating or too warm; and,

(b) A spray safety switch which shuts off the spray pump or the conveyor if the vapor level drops more than [10] TEN (10) centimeters (4 inches) below the lowest condensing coil; and,

(iii) Store waste degreasing solvent only in covered containers and not dispose of waste degreasing solvent or transfer it to another party, such that greater than [20] TWENTY (20) percent of the waste degreasing solvent (by weight) can evaporate into the atmosphere[.]; AND

(iv) RACK PARTS FOR BEST DRAINAGE; AND

(v) MAINTAIN CONVEYOR SPEED AT LESS THAN ELEVEN (11) FEET PER MINUTE; AND

206(c)(ee)

(vi) USE EITHER A DRYING TUNNEL, ROTATING BASKET, OR OTHER EQUIVALENT METHOD TO PREVENT CLEANED PARTS FROM CARRYING OUT SOLVENT LIQUID; AND

(vi) PLACE COVERS OVER ENTRANCES AND EXITS IMMEDIATELY FOLLOWING SHUTDOWN, LEAVING THEM IN PLACE UNTIL JUST PRIOR TO START-UP.

Section 5

Subsections (aa) through (dd) inclusive of section 19-508-20 are amended as follows:

(aa) Applicability. The provisions of subsections (m) through (v) inclusive AND (ee) apply to any article, machine, equipment or other contrivance which emits volatile organic compounds in excess of [8] EIGHT (8) pounds in any one hour or in excess of [40] FORTY (40) pounds in any one day.

(bb) Compliance methods. The owner or operator of a stationary source subject to subsections (m) through (v) inclusive AND (ee) shall achieve the emission limit under the appropriate paragraph by:

(i) The application of low solvent content coating technology; or,

(ii) Incineration, provided that [90] NINETY (90) percent of the non-methane volatile organic compounds (measured as total combustible carbon) which enter the incinerator are oxidized to carbon dioxide and water; or,

(iii) A system demonstrated to have control efficiency equivalent to or greater than the above and approved by the [commissioner] COMMISSIONER.

(cc) Alternative emission reductions.

(cc)(1) The owner or operator of a stationary source subject to the provisions of subsections [(m)](l) through (v) inclusive AND (ee) may submit for the consideration of the [commissioner] COMMISSIONER an alternative emission reduction plan which would achieve the same net emission reduction as the owner or operator would achieve by having each emission source comply with the prescribed emission limitations provided in these regulations. Approval of the alternative plan is discretionary with the [commissioner] COMMISSIONER, but at a minimum, the owner or operator of the stationary source must demonstrate that:

(i) by means of an approved material balance or acceptable emission test, sufficient reductions in volatile organic compound emissions will be obtained by controlling other existing emission sources of similar volatile organic compounds within the stationary source to the extent necessary to compensate for all excess emissions which result from one or more emission sources not achieving the prescribed emission limitation. This demonstration must be submitted in writing and must include:

(a) A description of the emission source or sources which will not comply with the prescribed emission limitations[,];

(b) Pounds per hour of volatile organic compounds emitted which are in excess of permissible emissions for each emission source[,];

(c) A description of each emission source and the related control [system's] SYSTEMS if any, for those emission sources within the stationary source where emissions will be decreased to compensate for excess emissions from each emission source[,];

(d) Pounds per hour of volatile organic compounds, for each emission source both before and after the improvement or installation of any applicable control system, or any physical or operational changes at the facility to reduce emissions and the date on which these reductions will be achieved; and

(e) A description of the procedures and methods used to determine the emissions of volatile organic compounds; and

(ii) The alternative emission reduction plan does not include decreases in emissions resulting from requirements of other applicable air pollution regulations. The alternative emission reduction plan may include decreases in emissions accomplished through installation or improvement of a control system or through physical or operational changes at the stationary source such as increased transfer efficiencies;

(iii) The alternative emission reduction plan does not include provisions for the trade off of any volatile organic compound such as benzene which the [administrator] ADMINISTRATOR OR COMMISSIONER has determined to be a hazardous material;

(iv) The alternative emission plan does not delay or defer the compliance deadlines for any emission source or sources.

(cc)(2) The implementation of an alternative emission reduction plan instead of compliance with the emissions limitation prescribed in subsections [(m)](l) through (v) inclusive AND (ee) must be expressly approved by the [commissioner] COMMISSIONER through the issuance of an order in accordance with the provisions of section 19-508-12. After approval, any emissions in excess of those established for each emission source under the plan will be a violation of these regulations.

(cc)(3) Where it can be shown to the satisfaction of the [commissioner] COMMISSIONER [than] THAT an emission source cannot be controlled to comply with subsections [(m)](l) through (v) inclusive AND (ee) of this section for reasons of technological and economic feasibility, the [commissioner] COMMISSIONER may accept a lesser degree of control upon the submission of satisfactory evidence that the stationary source owner has applied [reasonably available control technology] REASONABLY AVAILABLE CONTROL TECHNOLOGY and has a plan to develop the technologies necessary to comply with the above subsections.

(dd) Seasonal operation of afterburners.

(dd)(1) The owner or operator of any stationary source which uses a natural gas-fired afterburner to meet the requirements of subdivisions (f)(1), (f)(2), (f)(4) or subsections (m) through (v) inclusive AND (ee) may petition the [commissioner] COMMISSIONER for permission to discontinue the operation

of the afterburner during the months of NOVEMBER, December, January, [and] February, AND MARCH. The owner or operator shall submit the petition in writing and shall include the following information:

(i) Information on the nature and location of the facility of process for which the application is made;

(ii) The type and quantity of emissions that will occur during the period of shutdown;

(iii) The quantity of natural gas saved as a result of the shutdown;

(iv) Any other relevant information the [commissioner] COMMISSIONER may request in order to make a determination regarding the petition.

(dd)(2) The owner or operator of any stationary source for which a petition has been submitted in accordance with subdivision (dd)(1) shall:

(i) Publish by prominent advertisement in the region affected a notice that the petition has been submitted;

(ii) Have made available for public inspection for thirty (30) days a copy of the petition.

(dd)(3) The [commissioner] COMMISSIONER shall not grant a petition to discontinue the operation of a gas-fired afterburner which:

(i) Is required to meet the requirements of any other section of these regulations; or

(ii) Will prevent or interfere with the attainment or maintenance of any federal or state ambient air quality standard;

(iii) Has not met the requirements of [subsection] SUBDIVISION (dd)(2).

(dd)(4) The [commissioner] COMMISSIONER may attach any reasonable conditions he deems necessary or desirable to any approval of a petition under this subsection, including but not limited to:

(i) Requirements for special control measures to be taken by the owner or operator to minimize emissions during the period of the petition;

(ii) Requirements for periodic reports submitted by the owner or operator relating to emissions, to compliance with any other conditions under which the petition is granted, or to any other relevant information the [commissioner] COMMISSIONER deems necessary.

(dd)(5) Following his decision to approve or deny the petition the [commissioner] COMMISSIONER shall cause an order to be issued in accordance with the provisions of section 19-508-12.

Section 6

Section 19-508-20 is amended by the addition of subsection (ee) as follows:

NEW (ee) REASONABLY AVAILABLE CONTROL TECHNOLOGY FOR LARGE SOURCES

(ee)(1) The owner or operator of any premise with actual emissions of one hundred (100) tons per year or more of volatile organic compounds shall use Reasonably Available Control Technology to limit the discharge of volatile organic compounds by December 31, 1985 unless a compliance plan is filed under subdivision (ee)(3).

(ee)(2) The provisions of subdivision (ee)(1) do not apply to any stationary source which must meet any provisions of subsections (m) thru (v) inclusive.

(ee)(3) The Commissioner may allow the owner or operator of any premise subject to the provisions of subdivision (ee)(1) to submit a compliance plan by July 1, 1985 which demonstrates compliance as expeditiously as practicable but not later than December 31, 1987.

(ee)(4) The Commissioner shall provide public notice with the opportunity for a public hearing for any compliance determination under subdivision (ee)(1) or acceptance of a compliance plan under subdivision (ee)(3).

Statement of Purpose. To amend regulations concerning the control of organic compound emissions in order to meet federal requirements to reduce atmospheric concentrations of this pollutant and to help attain the health-related air quality standards for ozone by the 1987 attainment deadline as mandated under the Clean Air Act Amendments of 1977.

CERTIFICATION
R-35 REV. 1-77

Be it known that the foregoing:

[X] Regulations [ ] Emergency Regulations

[X] Adopted [X] Amended as hereinabove stated [ ] Repealed

By the aforesaid agency pursuant to:

[X] Section 19-508 of the General Statutes.

[ ] Section _____ of the General Statutes, as amended by Public Act No. _____ of the _____ Public Acts.

[ ] Public Act No. _____ of the Public Acts.

After publication in the Connecticut Law Journal on June 15 1982, of the notice of the proposal to:

[X] Adopt [X] Amend [ ] Repeal such regulations

(If applicable): [X] And the holding of an advertised public hearing on 15th day of July 1982

WHEREFORE, the foregoing regulations are hereby:

[X] Adopted [X] Amended as hereinabove stated [ ] Repealed

Effective:

[X] When filed with the Secretary of the State.

(OR)

[ ] The _____ day of _____ 19____.

Witness Whereof:	DATE 8/5/82	SIGNED *(Head of Board, Agency or Commission)* Stanley J. Pac	OFFICIAL TITLE, DULY AUTHORIZED Commissioner
Approved by the Attorney General as to legal sufficiency in accordance with Sec. 4-169, as amended, C.G.S.:		SIGNED	OFFICIAL TITLE, DULY AUTHORIZED

AUG 6 _ 1982

[X] Approved

[ ] Disapproved

[ ] Disapproved in part, *(Indicate Section Numbers disapproved only)*

[ ] Rejected without prejudice.

By the Legislative Regulation Review Committee in accordance with Sec. 4-170, as amended, of the General Statutes.	DATE 9/21/82	SIGNED *(Clerk of the Legislative Regulation Review Committee)* Ruth A. Goodwin

Two certified copies received and filed, and one such copy forwarded to the Commission on Official Legal Publications in accordance with Section 4-172, as amended, of the General Statutes.

DATE Sept 24, 1982	SIGNED *(Secretary of the State)* Maura L. Kelley	BY Agnes L. Kerr

INSTRUCTIONS

1. One copy of all regulations for adoption, amendment or repeal, except emergency regulations, must be presented to the Attorney General for his determination of legal sufficiency. Section 4-169 of the General Statutes.

2. Seventeen copies of all regulations for adoption, amendment or repeal, except emergency regulations, must be presented to the Standing Legislative Regulation Review Committee for its approval. Section 4-170 of the General Statutes.

3. Each regulation must be in the form intended for publication and must include the appropriate regulation section number and section heading. Section 4-172 of the General Statutes.

4. Indicate by "(NEW)" in heading if new regulation. Amended regulations must contain new language in capital letters and deleted language in brackets. Section 4-170 of the General Statutes.