



New Tools

CT DEP MASC CALCULATOR

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CT DEP, Bureau of Air Management

August 12, 2010

CT DEP MASC CALCULATOR

An Excel spreadsheet was developed as a tool to assist in verifying compliance with the Maximum Allowable Stack Concentration limitations set forth in Tables 29-1, 29-2 or 29-3 of Section 22a-174-29 of the Regulations of Connecticut State Agencies (RCSA).



CT DEP MASC CALCULATOR

How to download it



The screenshot shows the website for the Department of Environmental Protection (DEP) of the State of Connecticut, specifically the Air Permitting section. The page features a navigation menu, a search bar, and a sidebar with a list of air-related topics. The main content area is titled "Air Permitting" and includes a call to action for "Need Permitting Help or Have a Permitting Question?" with the phone number (860) 424-4152. Below this, there is a detailed paragraph about air quality permits, followed by several links to related resources such as "CT Air Regulations", "Title V Permits", "Air Permitting Forms", "Air Permitting Assistance", "Air Permits FAQ", "Air Technical Support", "What's New in Air Permitting?", and "Contact Us".

CT.gov
STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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AIR PERMITTING

A variety of air quality permits are issued to ensure that emissions from new, modified or existing sources of air pollution do not harm public health or cause significant degradation to air quality. These permits contain requirements to limit emissions either through control technologies or operational limitations and a means to assure compliance. The criteria for issuing permits and for defining permit requirements for new or modified facilities are specified in [regulations](#). The DEP air permit staff who perform the permit reviews and administer the program are available to assist you and answer questions.

All permits are issued in accordance with applicable Connecticut and Federal regulations and in accordance with our mission and responsibility to the citizens of Connecticut to protect the environment and public health.

Need Permitting Help or Have a Permitting Question?
Call the Engineer of the Day
(860) 424-4152

[CT Air Regulations](#)
View current CT Air Regulations, SIP Revisions, regulations in development, CT DEP comments on federal air regulations and more.

[Title V Permits](#)
View and download active Title V Permits that have been issued in CT.

[Air Permitting Forms](#)
Download relevant forms for permitting a source of air pollution including New Source Review Permits, General Permits, Acid Rain Permits, Title V Permits and more.

[Air Permitting Assistance](#)
Request a pre-application meeting, view CT DEP Fact Sheets, permitting assistance documents, relevant federal regulations and emission factors, and other tools to aid you in preparing your permit application.

[Air Permits FAQ](#)
Frequently Asked Questions regarding all aspects of air permitting.

[Air Technical Support](#)
Stack testing, modeling and CEM forms and assistance along with links to other relevant CT DEP programs.

[What's New in Air Permitting?](#)
Current news articles and topics relating to air permitting in CT.

[Contact Us](#)
Contact information for the air permitting group.

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CONNECTICUT'S Anniversary!

Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

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(860) 424-3000
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[Frequently Asked Questions](#)

Frequently asked questions regarding all aspects of air permitting.

[What's New in Air Permitting?](#)

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Contact information for the air permitting group.



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	Surface Treatment Operations (DEP-AIR-APP-206)	2 Pgs			
	Metal Cleaning Degreasers (DEP-AIR-APP-207)	3 Pgs 3 Pgs	3 Pgs	06/15/10	N/A
	Concrete, Asphalt Concrete, Mineral Processing and Other Similar Equipment (DEP-AIR-APP-208)	4 Pgs 4 Pgs	4 Pgs	08/24/07	N/A
	Site Remediation Equipment (DEP-AIR-APP-209)	2 Pgs 20K 2 Pgs	4 Pages	06/22/01	N/A
	Air Pollution Control Equipment (DEP-AIR-APP-210)	7 Pgs 7 Pgs	9 Pgs	03/23/04	N/A
	Stack Parameters (DEP-AIR-APP-211)	1 Pg	2 Pgs	06/22/01	N/A
	Unit Emissions (DEP-AIR-APP-212)	4 Pgs 4 Pgs	2 Pgs	04/28/10	Spreadsheet for Calculating MASC Compliance (Please "SAVE" then open this file - Be sure to enable macros before use)
Attachment F - Major		2 Pgs	4 Pgs	07/22/09	N/A
	Attachment G - BACT/LAER Determination Form (DEP-AIR-APP-214)	4 Pgs 4 Pgs	4 Pgs	11/13/07	N/A
	Attachment H - Operation and Maintenance Plan	No DEP Form; Refer to the main instructions (DEP-AIR-INST-200)			N/A
	Attachment I - Ambient Air Quality Analysis	No DEP form; Refer to the main instructions (DEP-AIR-INST-200). Prepare and submit a modeling protocol if the Ambient Air Quality Review is to be conducted using Refined Modeling. Complete the form <u>STACK AND BUILDING DATA FOR SCREENING MODELING</u> (Excel) if the Ambient Air Quality Review is to be conducted using screening.			Related Guidance NSR Modeling Guidance: Ambient Impact Analysis Guidelines Interim PM2.5 NSR Modeling Policy



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[Technical Support](#)

DEP programs, modeling and CEM forms

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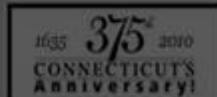
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Department of
Environmental Protection
79 Elm Street



Need Permitting Help or
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Request a Pre-Application Meeting

We encourage you to meet with a CT DEP permit engineer early in your project planning to help you successfully navigate the permitting process. A permit engineer will help you identify relevant permitting issues including permitting options, necessary forms, expectations, and timeframes. Please call (860) 424-4152 to schedule a pre-application meeting.

Permitting Application Status

- NEW [List of Proposed Individual Permits in Public Comment Period](#)
- NEW [Snapshot of Permit Statuses](#) (PDF, updated 7/13/2010)

Permitting Support

- NEW [Air Permits FAQ](#)
- NEW [NESCAUM Top-Down BACT Guide](#) (PDF, 1991)
- [CTDEP Permit Assistance Web Page](#)
- [EPA RACT/BACT/LAER Clearinghouse](#)
- [CARR BACT Clearinghouse](#)

Emission Calculation Tools

NEW CTMASC - CTDEP calculator for determining HAP MASC compliance



[LandGEM](#) - EPA program for estimating landfill gas emissions

Fact Sheets and Forms

CT DEP MASC CALCULATOR

How it works

Input

- Stack Parameters
- List of HAPs Emitted
- HAPs' Proposed Allowable Emission Rates



Output

- MASC Values
- ASC Values
- Compliance Determination (for each HAP)

Demonstration



Microsoft Office
Excel 97-2003 Worksheet