

**Delaware Dept. of Natural Resources and Environment Control  
Air Contaminant Equipment Registration Form**

**Registration No.**

**Purpose:** To register equipment pursuant to Regulation No 2, § 2.1(a) of Delaware's "Regulations Governing the control of Air Pollution."

**Directions :** If self-registering, complete Parts 1-7. If not self-registering, complete Parts 1-4 and 6-7 and leave Parts 5 blank. For more information on completing this form see the *Air Contaminant Equipment Registration Instruction Booklet*.

**For Department Use Only.**

**PART 1 SITE INFORMATION**

NAME

STREET ADDRESS

CITY

STATE

ZIP CODE

TELEPHONE NUMBER  
( ) - ext.

**PART 2 EMISSION SOURCE DESCRIPTION** Describe the source. Include physical location of the equipment, its purpose, and provide a model number, if applicable.

Is the source equipped with an air contaminant control device? Yes  No

Do any other source emit air contaminants to the same emission point as the same equipment to be registered?  
Yes  No

**PART 3 EMISSION SOURCE INFORMATION** complete Section A, and either B, C, or D, as applicable (see *Instruction booklet* for source types and metric unit conversion table).

A. Distance to Nearest Property line <sup>a</sup> , m	B. Point Source				C. Area Source			D. Volume Source		
	1. Stack Height, m	2. Stack Exit Inside Diameter, m	3. Stack Exit Flow Rate, ACFM or m <sup>3</sup> /s, Or Velocity m/s	4. Stack Exit Temperature, K	1. Source Height, m	2. Length of Larger Side, m	3. Length of Smaller Side, m	1. Half of Source Height, m	2. Initial Lateral Dimension, m	3. Initial Vertical Dimension, m

**PART 4 AIR CONTAMINANT INFORMATION**

(If more than air contaminants will be emitted, attach additional information to this form.)

**PART 5 TOXICOLOGICAL DATA AND DIS-PERSON**

**MODEL RESULTS** Complete this section only if self-registering. Attach SCREEN model output.

A. Air Contaminant	B. Max. Daily Hours of Emissions from Equipment	C. Maximum Emission Rate (without control device)			A. TLV (TWA), mg/m <sup>3</sup>	B. MDC From SCREEN, µg/m <sup>3</sup>	C. Adjusted MDC, mg/m <sup>3</sup> <small>Block 5(B) x 0.0007</small>	D. TLV: Adjusted MDC <small>Block 5(A) / Block 5 (C)</small>
		1. lb/day	2. (Circle one) Point, g/s, Area g/s-m <sup>2</sup> , or Volume, g/s	3. Basis (i.e., calculated, manufacturer's info. etc)				

All footnotes are back of form **TOTAL**

***Be sure to read and sign back of form.***

**PART 6 CONDITIONS OF REGISTRATION** . The registrant may commence construction/operation if the maximum aggregate air contaminant emission rate (Block 4(D)) is less than ten (10) pounds per day, each and every day, and if the TLV:Adjusted MDC (Block 5(D)) ratio for each air contaminant emitted is equal to or greater than 100. As an option, the registrant may submit to the Department all of the information required on this form except for the information required in Part 5 Toxicological Data and Dispersion Modeling Results, and may request that the Department identify the TLV (Block 5(A)) and determine the MDC (Block 5(B)) and the TLV:Adjusted MDC ratio (Block 5(D)). In such a case, the registrant shall not commence construction/operation until written approval is obtained from the Department.

**PART 7 CERTIFICATION** . The registrant shall be the person identified in Regulation No. 2, Section 3.1. A copy of this registration shall be maintained on the premises where the equipment is located and shall be made available to a representative of the Department upon request. The registrant shall notify the Department in writing prior to making any change that will change any of the information on this form.

I certify that all of the information on this form is true, accurate, and complete. If at any time the emission rate exceeds ten (10) pounds per day, or if any parameter changes such that the TLV:Adjusted MDC ratio falls below 100, a violation of Regulation No. 2 of Delaware's " Regulations Governing the Control of Air Pollution " may have occurred, and all necessary permits must be secured for operation of said equipment.

REGISTRANT NAME (Please print or type)		REGISTRANT TITLE	
REGISTRANT SIGNATURE		DATE	
<b>REGISTRANT MAILING ADDRESS (if different from site address in Part 1)</b>			
STREET ADDRESS			CITY
STATE	ZIP CODE	TELEPHONE NUMBER (    ) -    Ext.	

**TABLE 1 Input parameters for SCREEN air dispersion model.**

PARAMETER	POINT SOURCE	AREA SOURCE	VOLUME SOURCE
<b>GENERAL</b>	Select Rural, Flat Terrain, Full Meteorology, and Automated Distance Array with Block 3(A) <sub>a</sub> and 5000 as distance selection.		
<b>EMISSION RATE</b>	Maximum Rate without Control Device (Block 4(C)(2)) <sub>c</sub>		
<b>EMISSION RELEASE HEIGHT</b>	Height to Top of Stack from Ground (Block 3(B)(1))	Height of Source Release from Ground (Block 3(D)(1))	Half of Source Release Height (Block 3(D)(1))
<b>SOURCE DIMENSIONS</b>	Stack Inside Diameter (Block 3(B)(2))	Length of Larger Side (Block 3(C)(2))	Initial Lateral = $\frac{\text{length of shorter side}}{4.3}$ Dimension <i>lock 3(D)(2)</i>
	Select no downwash Effects (building height, width, and length are zero)	Length of Smaller Side Block 3(C)(3))	Initial Lateral = $\frac{\text{length of source}}{2.15}$ Dimension <i>lock 3(D)(3)</i>
<b>EXIT FLOW RATE OR EXIT VELOCITY</b>	Measured or Calculated Exit Velocity or Flow Rater (Block 3(B)(3))	NA	NA
<b>EXIT GAS TEMPERATURE</b>	Temperature of Emissions (Block 3(B)(4))	NA	NA
<b>AMBIENT TEMPERATURE</b>	293°K (67.7°F)	NA	NA
<b>RECEPTOR FLAGPOLE HEIGHT</b>	Zero		
<b>a</b>	Enter the distance from the equipment to the nearest property line (Block 3(A)).	<b>d</b>	Threshold Limit Value(TLV) expressed as a time-weighted average (TWA) as established by ACGIH or NIOSH, or other Department-approved human health exposure value.
<b>b</b>	Initial lateral and vertical dimensions defined in the above table.	<b>e</b>	Maximum Downwind Concentration (MDC) beyond the nearest property line as predicted by the SCREEN model.
<b>c</b>	Note that the maximum emission rate is to the atmosphere for uncontrolled sources and to the inlet of the control device for source with an air contaminant control device. Emission rates for area sources are obtained by dividing the emission rate by the area of the source .	<b>f</b>	If velocity is entered, type in numeric value. If flow rate is entered, type in "vf=" followed by the cfm numeric value, or type in "vm=" followed by the metric numeric value.