

Registrations



Blue Skies Delaware; Clean Air for Life

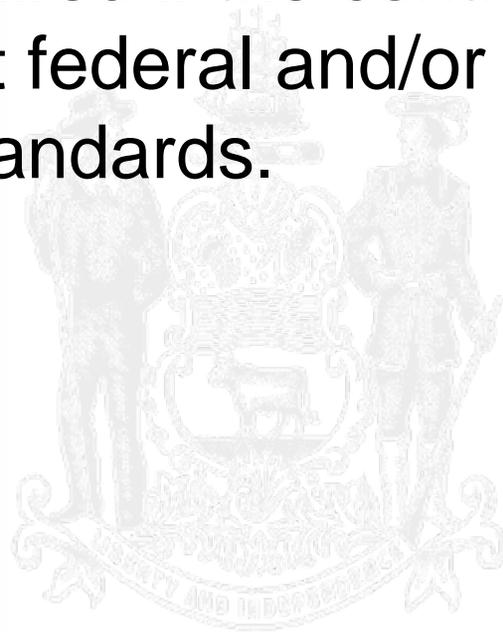
Emissions

- Total aggregate emissions before control device are at least 0.2 lbs/day but less than 10 lbs/day. (Maximum daily emissions)
- Sources are exempt if emissions are <0.2 lbs/day or equipment is listed in Appendix A, Reg. 1102.
- Permits are required for emissions of 10 lbs/day or greater.



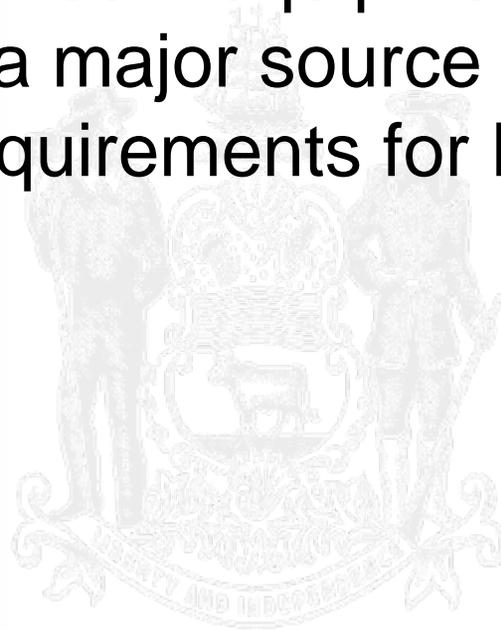
Control Device

- A permit is required if the control device is needed to meet federal and/or state emission limitations or standards.



Reg. 1125

- A permit is required if equipment is a major modification to a major source as defined by Reg. 1125, “Requirements for Preconstruction Review.”



Air Quality Impact

- EPA Screen3 Air Dispersion Model calculates maximum downwind concentration (MDC) based on one-hour exposure.
- The MDC is adjusted to an eight-hour basis and compared to the eight-hour Threshold Limit Value (TLV) as found in NIOSH or ACGIH tables
- The Department has set a criteria that the TLV must be at least 100 times greater than the MDC



TLV/MDC <100

- The Department will determine if the equipment can be registered.
- Concentrations are compared to Ambient Air Quality Standards.
- Configuration of emission source may be changed.



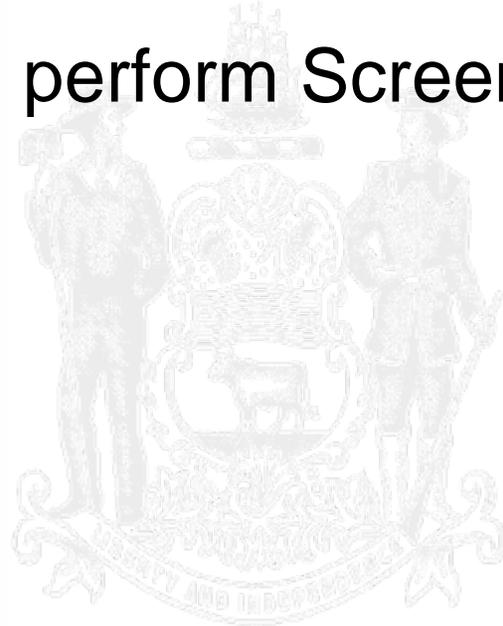
TLV/MDC \geq 100

- Submit registration form and TLV/MDC spreadsheet to Department.
- Equipment can be installed and operated without further approval.



Department Assisted Registration

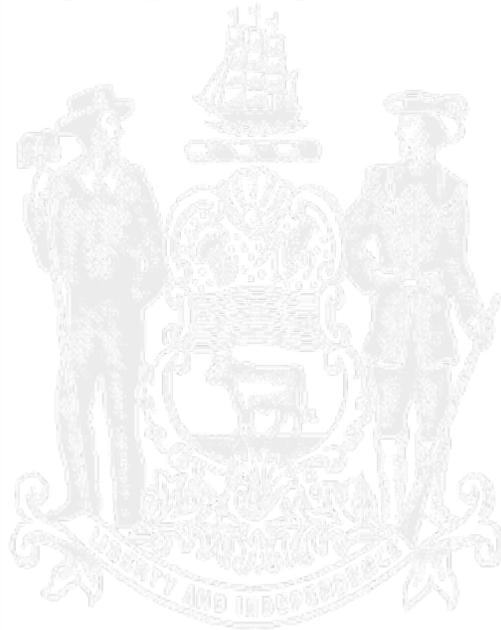
- Complete Parts 1-4 and 6-7 of registration form.
- Department will perform Screen3 modeling.



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Self-Registration

- Start with Registration Form



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Run Screen3

- One-hour MDC for each pollutant.
- Distance to MDC.



Shortcut to SCREEN3



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TLV/MDC Spreadsheet

- Adjusted MDC (eight-hour)
- TLV/MDC (eight-hour basis)



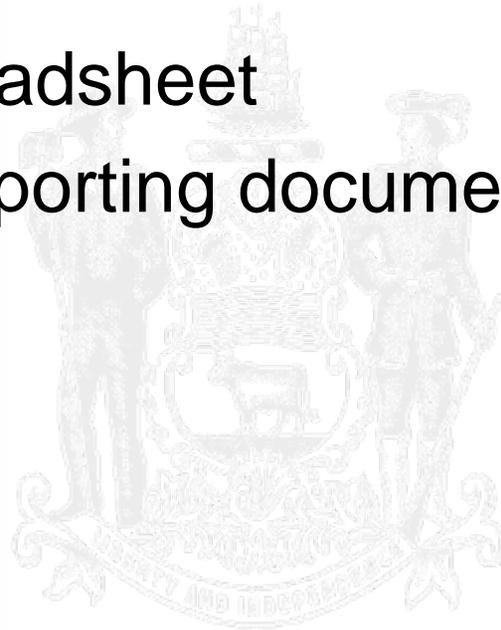
Microsoft Excel
Worksheet



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Submittals

- Registration Form
- TLV/MDC Spreadsheet
- MSDS and supporting documentation



Instructions, Reg. Form, & TLV/MDC

- <http://www.awm.delaware.gov/AQM/Pages/AirContaminantEquipmentRegistration.aspx>



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DOS Version of SCREEN3

- http://www.epa.gov/scram001/dispersion_screening.htm#screen3
- <http://www.epa.gov/scram001/userg/screen/screen3d.pdf>

