

**A. Operational Restrictions**

1. The OC content of the coating material(s) employed in this emissions unit shall not exceed 6.46 lbs/gallon and the OC content of the cleanup material(s) employed in this emissions unit shall not exceed 7.17 lbs/gallon.
2. The permittee shall control the OC emissions from this emissions unit by a RTO that achieves a destruction efficiency of at least 95% at all times during operation.
3. This emissions unit shall be totally enclosed such that OC emissions are captured and contained for discharge through the regenerative thermal oxidizer. Compliance with the following criteria, identified by USEPA Method 204, shall satisfy the total enclosure requirement:
  - a. Any natural draft opening (NDO) shall be at least four equivalent opening diameters from each OC emitting point unless otherwise specified by the Administrator.
  - b. The total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.
  - c. The average facial velocity (FV) of air through all NDO's shall be at least 3,600 m/hr (200 fpm). The direction of air flow through all NDO's shall be into the enclosure.
  - d. All access doors and windows whose areas are not included in section (b) and are not included in the calculation in section © shall be closed during routine operation of the process.
  - e. All OC emissions must be captured and contained for discharge through a control device.
4. The average temperature of the combustion chamber of the regenerative thermal oxidizer, for all 3-hour periods of operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was

in compliance.

5. The permanent total enclosure shall be maintained under negative pressure, at a minimum pressure differential that is not less than 0.007 inches of water, as a three hour average, whenever the emissions unit is in operation.

**B. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for the coating operation:
  - a. the company identification for each coating and cleanup material employed;
  - b. the number of gallons of each coating and cleanup material employed;
  - c. the organic compound content of each coating and cleanup material, in pounds per gallon;
  - d. the total controlled organic compound emission rate for all coatings and cleanup materials, in pounds per day (i.e., calculated using the overall control efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance);
  - e. the total number of hours the emissions unit was in operation;
  - f. the average hourly controlled organic compound emission rate for all coatings and cleanup materials, i.e., (d)/(e), in pounds per hour (average).
2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the combustion chamber from the regenerative thermal oxidizer when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The continuous monitoring and recording devices shall be capable of accurately measuring the desired parameters, and the owner or operator shall properly operate and maintain the devices in accordance with the manufacturer's recommendations.
3. The permittee shall collect and record the following information each day for the control equipment:
  - a. a log of operating time for the capture

(collection) system, control device, monitoring equipment, and the associated emissions unit; and

- b. all three-hour periods of operation during which the average combustion temperature was more than fifty degrees Fahrenheit below the average combustion temperature during the most recent performance test that the emissions unit was in compliance.
4. The permittee shall install, maintain and operate monitoring device(s) and a recorder which simultaneously measure and record the differential pressure between the inside and outside of the permanent total enclosure. The monitoring and recording devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall maintain records of all three hour blocks of time during which the permanent total enclosure was not maintained at or above the minimum pressure differential of 0.007 inches of water, as a three hour average.

5. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

**C. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. An identification of each day during which the average hourly controlled organic compound emissions from the coatings and cleanup materials exceeded 1.14 pounds per hour, and the actual average hourly controlled organic compound emissions for each such day.
  - b. An identification of each day during which the controlled organic compound emissions from the coatings and cleanup materials exceeded 23.86 pounds per day,

and the actual controlled organic compound emissions for each such day.

- c. An identification of each month during which the controlled organic compound emissions from the coatings and cleanup materials exceeded 484 pounds per month, and the actual controlled organic compound emission rate for each such month.
2. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour periods of operation during which the average combustion temperature was more than fifty degrees Fahrenheit below the average combustion temperature during the most recent performance test that the emissions unit was in compliance.
  3. The permittee shall submit required reports in the following manner:
    - a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
    - b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and © any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule

**D. Testing Requirements and Compliance Methods**

1. Compliance with the emission limitation(s) stated in this Permit to Install shall be determined in accordance with the following methods:
  - a. Emission Limitation-  
1.14 lbs OC/hr, including cleanup  
  
Applicable Compliance Method-  
Compliance shall be determined by emission testing as specified in section B.V.3 and the recordkeeping specified in section B.
  - b. Emission Limitation-  
23.86 lbs OC/day, including cleanup  
  
Applicable Compliance Method-  
Compliance shall be determined by the based upon the recordkeeping specified in section B.
  - c. Emission Limitation-  
484 lbs/month OC, including cleanup  
  
Applicable Compliance Method-  
Compliance shall be based upon the recordkeeping specified in section B. and shall be the sum of the daily OC emission rates for the calendar month.
  - d. Emission Limitation-  
2.90 TPY OC, including cleanup  
  
Applicable Compliance Method-  
Compliance shall be based upon the recordkeeping specified in section B. and shall be the sum of the daily OC emission rates for the calendar year.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound content of the coatings and cleanup materials.