

## **ADDITIONAL SPECIAL TERMS & CONDITIONS**

### **A. Additional Terms and Conditions:**

1. The 0.90 lb/hr organic compound limit is established for permit to install purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
2. The emissions unit P028 represents the Original Equipment Manufacture (OEM) Clearcoat Production Train and the emissions from this unit are vented to the thermal oxidizer No. 1. The thermal oxidizer No. 1 is a common control device for emissions units P001, P008-P011, P013-P016, P021, T001 and P029 permitted under PTI Nos. 08-370, 08-1124, 08-1752, 08-2065 and 08-3284 respectively. The thermal oxidizer No. 1 is required to achieve 97% destruction efficiency.
3. The aggregate emission rate from the thermal oxidizer No. 1, including the emissions from the emissions units previously permitted and emissions unit P028 shall not exceed the following:

<u>Emission Unit</u>	<u>lbs/hr</u>	<u>lbs/day</u>	<u>TPY</u>
P001, P008-P010, P029	10.98	263.52	32.94
P011	0.34	8.16	1.50
P013-P016	17.40	417.60	52.20
P021, T001	0.50	12.00	0.81
P028	<u>0.90</u>	<u>22.00</u>	<u>3.94</u>
TOTAL	30.12	723.28	91.39

### **B. Operational Restrictions:**

1. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions units listed in term and condition A.2. are in operation, shall not be less than 1450 degrees Fahrenheit.
2. The production of Original Equipment Manufacture (OEM) Clearcoat (P028) shall not exceed 2910 pounds per hour, 69,840 (average) pounds per day, or 25,500,000 pounds per year.

**C. Record Keeping/Monitoring:**

1. The permittee shall operate and maintain a continuous monitor and recorder which measures and records the combustion temperature within the thermal oxidizer when the emissions units listed in term and condition A.2. are in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions units listed in term and condition A.2. were in operation, was less than 1450 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions units were in operation.
2. The permittee shall collect and record the following information each month for emissions unit P028:
    - a. The amount of material produced, in pounds.
    - b. The calculated, controlled organic compound emission rate, in pounds or tons (see Testing Requirements section E.1. for appropriate calculations). The controlled organic compound emission rate shall be calculated using the destruction efficiency of the Resin I thermal oxidizer as determined during the most recent emissions test that demonstrated that the emissions unit was in compliance. The last emissions test that demonstrated compliance was conducted on July 14, 1998 and the average destruction efficiency determined at that time was 99.7%. Until additional tests are conducted the destruction efficiency used for calculations will be  $1 - 0.997$ .
    - c. The total number of days the emissions unit was in operation.
    - d. The average daily organic compound emission rate, i.e., (b)/(c), in pounds per day (average).
  3. 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 the permit. Such records may be maintained in computerized form.

**D. Reporting:**

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified above.
2. The permittee shall submit quarterly deviation (excursion) reports of an identification of each month during which the average daily organic compound emission rate exceeded 22.0 pounds per day, and the actual average daily organic compound emission rate for each such month.
3. These quarterly deviation (excursion) reports shall be submitted in the following manner:
  - a. Reports of any required monitoring and/or record keeping 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 record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventative 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 quarter. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**E. Testing Requirements and Compliance Determinations:**

1. Compliance with the emission limitations in these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation - 0.90 lb/hour organic compounds  
Applicable Compliance Method - Compliance shall be based upon the following equation used to determine the emission rate: the maximum hourly production rate of OEM Clearcoat of 2910 pounds, multiplied by the derived emission factor of 1.03% loss, and then multiplied by one minus the

destruction efficiency of 0.997, as determined by the last emissions test conducted on July 14, 1998, which demonstrated compliance.

- b. Emission Limitation - 22.0 lbs/day organic compounds  
Applicable Compliance Method - Compliance shall be based upon the average daily organic compound emission rate as determined through the record keeping in term and condition C.2. and applying the above calculation.
- c. Emission Limitation - 3.94 TPY organic compounds  
Applicable Compliance Method - Compliance shall be based upon the calculation methodology specified above and shall be the sum of the twelve monthly organic compound emission rates for the calendar year, converted from pounds to tons.