

Facility ID: 1318557875 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318557875 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - Process: drum and tote container filling operation. Facility ID: drum filling station No. 2	OAC rule 3745-31-05 (A)(3) (PTI No. 13-03591)	OC (organic compounds) emissions shall not exceed 7.3 tons per rolling 12-month period. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07 (G)(2), OAC rule 3745-35-07 (B), and section B.1
		OC emissions shall not exceed 8 pounds per hour and 40 pounds per day
	OAC rule 3745-21-07 (G)(2)	Facility-wide emission limitations: 9.9 tons per rolling 12-month period for any single Hazardous Air Pollutant (HAP) and 24.9 tons per rolling 12-month period for an aggregate of two or more Hazardous Air Pollutants (HAPs)
	OAC rule 3745-35-07 (B)	

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The Best Available Technology determination for this emissions unit is the use of submerged filling or bottom filling system for all containers and tote containers with a capacity greater than 55 gallons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (P002) is in operation:
 - The name and identification of each OC product.
 - The volume throughput of each OC product in gallons.
 - The density of each OC product, in pounds per gallon.
 - The molecular weight of each OC product.
 - The vapor pressure of each OC product in pounds per square inch absolute.
 - The hours of operation, in hours per day.
 - The total average OC emission rate for all products, in pounds per hour.
 - The total OC emission rate for all products, in pounds per day.
 - The total OC emission rate for all products, in tons per rolling 12-months.
2. The permittee shall collect and maintain the following information, on a monthly basis, for all emissions units in operation at the facility:
 - The name and identification of each HAP product.
 - The volume throughput of each HAP product, in gallons.
 - The density of each HAP product, in pounds per gallon.
 - The molecular weight of each HAP product.
 - The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - The total facility-wide HAPs emission rate for an aggregate of two or more HAPs, in tons per rolling 12-months period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the average hourly emission limitation for OC. This written report shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of the occurrence of the deviation.
 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the daily emission limitation for OC. This written report shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of the occurrence of the deviation.
 3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month emission limitation for OC. This written report shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of the occurrence of the deviation.
 4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month emission limitation for a single HAP. This written report shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of the occurrence of the deviation.
 5. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month emission limitation for an aggregate of two or more HAPs. This written report shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of the occurrence of the deviation.
- E. Testing Requirements**
1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

Emission limitation: 8 pounds OC per hour (average)

Applicable Compliance Method:
Compliance shall be based on the record keeping requirements as specified in section C.1 of these terms and conditions and the following equation:

AP-42, section 5.2 (5/95),
Loading losses = LL = (lbs/1000 gallons) = $(12.46 \cdot S \cdot P \cdot M) / T$
lbs/day = (LL) * (gallons/day)

Apply the above equation to each OC product and then sum total the emissions to obtain total lbs/day of OC emissions and divide by the hours of operation (hrs/day).

S= Saturation factor (1.45 for splash filling; 0.6 for submerged filling dedicated normal service tank, and 0.5 for submerged filling clean tank, Table 5.2-1)
P= Vapor pressure of material loaded at T, in pounds per square inch absolute
M= Molecular weight of material loaded
T= Temperature of material loaded, degrees Rankine
 2. Emission limitation: 40 pounds OC per day

Applicable Compliance Method:
Compliance shall be based on the record keeping requirements as specified in section C.1 of these terms and conditions and the following equation:

AP-42, section 5.2 (5/95),
Loading losses = LL = (lbs/1000 gallons) = $(12.46 \cdot S \cdot P \cdot M) / T$ lbs/day = (LL) * gallons/day

Apply the above equation to each OC product and then sum total the emissions to obtain total lbs/day of OC emissions.

S= Saturation factor (1.45 for splash filling; 0.6 for submerged filling dedicated normal service tank, and 0.5 for submerged filling clean tank, Table 5.2-1)
P= Vapor pressure of material loaded at T, in pounds per square inch absolute
M= Molecular weight of material loaded
T= Temperature of material loaded, degrees Rankine
 3. Emission limitation: 7.3 tons OC per rolling 12 month period

Applicable Compliance Method:
Compliance shall be based on a rolling 12-month summation of OC emissions as calculated as follows: sum total daily OC emissions as calculated from section E.2 of these terms and conditions to obtain total lbs OC emissions/month, then sum total the total lbs OC emissions/month to obtain a rolling 12-month summation, after the first twelve (12) months, each new month constitutes a new 12-month summation, divide the rolling 12-month summation by 2000 lbs.
 4. Facility-wide emission limitation: 9.9 tons per rolling 12-month period for any single HAP

Applicable Compliance Method:
Compliance shall be based on the record keeping requirements as specified in section C.2 of these terms and conditions and the following equation:

AP-42, section 5.2 (5/95),
Loading losses = LL = (lbs/1000 gallons) = $(12.46 \cdot S \cdot P \cdot M) / T$
lbs/month = (LL) * gallons/month

Apply the above equation to each single HAP from emissions unit (P002). Sum total the total monthly emissions for each single HAP (total lbs HAP emissions/month) from all operating emissions units at the facility to obtain a rolling 12-month summation for each HAP, after the first twelve (12) months, each new month constitutes a new 12-month summation, divide the rolling 12-month summation by 2000 lbs. Repeat for each single HAP.

S= Saturation factor (1.45 for splash filling; 0.6 for submerged filling dedicated normal service tank, and 0.5 for

submerged filling clean tank, Table 5.2-1)

P= Vapor pressure of material loaded at T, in pounds per square inch absolute

M= Molecular weight of material loaded

T= Temperature of material loaded, degrees Rankine

5. Facility-wide emission limitation: 24.9 tons per rolling 12-month period for an aggregate of two or more HAPs

Applicable Compliance Method:

Compliance shall be based on a rolling 12-month summation of all HAPs emissions as calculated as follows: sum total individual HAPs emissions as calculated from section E.4 of these terms and conditions to obtain total lbs HAPs emissions/month, sum total the total monthly emission (total lbs HAPs emission/month) to obtain a rolling 12-month summation, after the first twelve (12) months, each month constitutes a new 12-month summation, divide the rolling 12-month summation by 2000 lbs.

F. **Miscellaneous Requirements**

1. None