



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

**RE: DRAFT PERMIT TO INSTALL
CUYAHOGA COUNTY
Application No: 13-03591**

CERTIFIED MAIL

DATE: 11/16/2000

ChemCentral
Bill Zorn
21600 Drake Rd
Strongsville, OH 44149-6615

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$6400** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

CBAPC

PA



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 13-03591

Application Number: 13-03591
APS Premise Number: 1318557875
Permit Fee: **To be entered upon final issuance**
Name of Facility: ChemCentral
Person to Contact: Bill Zorn
Address: 21600 Drake Rd
Strongsville, OH 44149-6615

Location of proposed air contaminant source(s) [emissions unit(s)]:

**21600 Drake Rd
Strongsville, Ohio**

Description of proposed emissions unit(s):

Three drum filling stations, three tank truck loading racks, one paint spray booth and two mixing & loading processes.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

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 (c) 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 3745-15-06.)

3. Records Retention Requirements

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.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any

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information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may

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lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance

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that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after

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commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	56.3
HAP (single)	9.9
HAPS(two or more)	24.9

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
J001 - Tank truck loading rack equipped with submerged filling system. The tank truck loading rack will load liquid organic compounds. Facility ID: transport loading station No. 1	OAC rule 3745-31-05 (A)(3) OAC rule 3745-35-07 (B) OAC rule 3745-21-07 (E)	Organic compounds (OC) emissions shall not exceed 234 pounds per day. The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07 (B), 3745-21-07(E) and section A.2.a OC emissions shall not exceed 9.3 tons per rolling 12-month period 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 HAPs see section A.2.b

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) determination for this emissions unit is the use of submerged filling or bottom filling system for all tank trucks. The tank truck loading rack shall be equipped with submerged filling or bottom filling system.

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Emissions Unit ID: **J001**

- 2.b** In accordance with OAC rule 3745-21-07 (E), the maximum daily throughput of all volatile photochemically reactive materials, as defined in OAC rule 3745-21-01 (C), shall not exceed 40,000 gallons per day.

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B. Operational Restrictions

1. A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
2. The emissions of OC from this emissions unit shall not exceed 9.3 tons per year, based upon a rolling, 12-month summation of the monthly emissions. The following equation shall be used to calculate monthly emissions:

$$\text{AP-42, section 5.2 (5/95), Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$$

$$\text{lbs/day} = (L_L) * \text{gallons/day}$$

Apply the above equation to each OC product and then sum total the emissions to obtain total lbs/day of OC emissions. Sum total daily OC emissions 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 by 2000 lbs.

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

To ensure Enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Emissions of OC (Tons)</u>
1	0.77
1-2	1.6
1-3	2.3
1-4	3.1
1-5	3.9
1-6	4.7
1-7	5.4
1-8	6.2
1-9	7.0

1-10	7.8
1-11	8.5
1-12	9.3

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitation for OC shall be based upon a rolling, 12-month summation of the monthly emissions.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (J001) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The total OC emission rate for all products, in pounds per day.
 - g. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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 daily emission limitation and/or daily throughput restriction 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

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Emissions Unit ID: J001

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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.

3. 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.
4. 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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. Emission limitation: 234 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), $\text{Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
 $\text{lbs/day} = (L_L) * \text{gallons/day}$

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

2. Emission limitation: 9.3 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

Emissions Unit ID: **J001**

follows: sum total daily OC emissions as calculated from section E.1 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.

3. 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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/month = $(L_L) * \text{gallons}/\text{month}$

Apply the above equation to each single HAP from emissions unit (J001). 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

4. 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.3 of these terms and conditions to obtain total lbs HAPs emissions/month, sum total the total monthly emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

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None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
J002 - Tank truck loading rack equipped with submerged filling system. The tank truck loading rack will load liquid organic compounds. Facility ID: transport loading station No. 2	OAC rule 3745-31-05 (A)(3)	Organic compounds (OC) emissions shall not exceed 234 pounds per day. The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07 (B), 3745-21-07(E) and section A.2.a
	OAC rule 3745-35-07 (B)	OC emissions shall not exceed 9.3 tons per rolling 12-month period 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 HAPs
	OAC rule 3745-21-07 (E)	see section A.2.b

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) determination for this emissions unit is the use of submerged filling or bottom filling system for all tank trucks. The tank truck loading rack shall be equipped with submerged filling or bottom filling system.

Emissions Unit ID: **J002**

- 2.b** In accordance with OAC rule 3745-21-07 (E), the maximum daily throughput of all volatile photochemically reactive materials, as defined in OAC rule 3745-21-01 (C), shall not exceed 40,000 gallons per day.

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B. Operational Restrictions

1. A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
2. The emissions of OC from this emissions unit shall not exceed 9.3 tons per year, based upon a rolling, 12-month summation of the monthly emissions. The following equation shall be used to calculate monthly emissions:

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

Apply the above equation to each OC product and then sum total the emissions to obtain total lbs/day of OC emissions. Sum total daily OC emissions 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 by 2000 lbs.

- 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

To ensure Enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Emissions of OC (Tons)</u>
1	0.77
1-2	1.6
1-3	2.3
1-4	3.1
1-5	3.9
1-6	4.7
1-7	5.4

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1-8	6.2
1-9	7.0
1-10	7.8
1-11	8.5
1-12	9.3

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitation for OC shall be based upon a rolling, 12-month summation of the monthly emissions.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (J002) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The total OC emission rate for all products, in pounds per day.
 - g. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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 daily emission limitation and/or daily throughput restriction for OC. This written report shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of the

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Emissions Unit ID: **J002**

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occurrence of the deviation.

2. 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.
3. 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.

Emissions Unit ID: J002

- 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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

- Emission limitation: 234 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), $\text{Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
 $\text{lbs/day} = (L_L) * \text{gallons/day}$

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

- Emission limitation: 9.3 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.1 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.

- Facility-wide emission limitation: 9.9 tons per rolling 12-month period for any single HAP

Applicable Compliance Method:

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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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/month = $(L_L) * \text{gallons}/\text{month}$

Apply the above equation to each single HAP from emissions unit (J002). 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

4. 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.3 of these terms and conditions to obtain total lbs HAPs emissions/month, sum total the total monthly emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

None

Emissions Unit ID: **J003**

shall be equipped with submerged filling or bottom filling system.

- 2.b** In accordance with OAC rule 3745-21-07 (E), the maximum daily throughput of all volatile photochemically reactive materials, as defined in OAC rule 3745-21-01 (C), shall not exceed 40,000 gallons per day.

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B. Operational Restrictions

1. A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
2. The emissions of OC from this emissions unit shall not exceed 9.3 tons per year, based upon a rolling, 12-month summation of the monthly emissions. The following equation shall be used to calculate monthly emissions:

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

Apply the above equation to each OC product and then sum total the emissions to obtain total lbs/day of OC emissions. Sum total daily OC emissions 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 by 2000 lbs.

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

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Emissions of OC (Tons)</u>
1	0.77
1-2	1.6
1-3	2.3
1-4	3.1
1-5	3.9
1-6	4.7
1-7	5.4
1-8	6.2

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Emissions Unit ID: **J003**

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1-9	7.0
1-10	7.8
1-11	8.5
1-12	9.3

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitation for OC shall be based upon a rolling, 12-month summation of the monthly emissions.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (J003) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The total OC emission rate for all products, in pounds per day.
 - g. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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 daily emission limitation and/or daily throughput restriction 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 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.
3. 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.
4. 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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. Emission limitation: 234 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), $\text{Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
 $\text{lbs/day} = (L_L) * \text{gallons/day}$

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

2. Emission limitation: 9.3 tons OC per rolling 12 month period

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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.1 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.

3. 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),
$$\text{Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$$

$$\text{lbs/month} = (L_L) * \text{gallons/month}$$

Apply the above equation to each single HAP from emissions unit (J003). 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

4. 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.3 of these terms and conditions to obtain total lbs HAPs emissions/month, sum total the total monthly emissions (total lbs HAPs emissions/month) to obtain a rolling 12-month summation, after the first twelve (12)

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months, each new month constitutes a new 12-month summation, divide the rolling 12-month summation by 2000 lbs.

F. Miscellaneous Requirements

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(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 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>
K001 - Spray booth for painting 55 gallon steel drums	OAC rule 3745-31-05(A)(3)	<p>Volatile organic compounds (VOC) emissions shall not exceed 32.0 pounds per day.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U)(1)(f) and OAC rule 3745-35-07 (B)</p>
	OAC rule 3745-21-09(U)(1)(f)	3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for the exterior coating of a steel pail or drum
	OAC rule 3745-35-07 (B)	VOC emissions shall not exceed 2.5 tons per rolling 12-month period

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

- 1. The permittee shall operate and maintain this emissions unit in accordance with manufacturer's recommendations. Spray booth exhaust filters shall be maintained (changed or cleaned) regularly

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per manufacturer's recommendations in order to maintain the highest effective level of particulate emissions control. Maintenance of exhaust filters (cleaning and/or changing of filter elements) shall be recorded in an operations log maintained at the facility.

2. The maximum daily coating usage for this emissions unit shall not exceed 9.0 gallons.
3. The maximum annual coating usage for this emissions unit shall not exceed 1428 gallons, based upon a rolling, 12-month summation of the coating usage figures.

To ensure Enforceability during the first 12 calendar months of operation, the permittee shall not exceed the coating usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Coating Usage (Gallons)</u>
1	119
1-2	238
1-3	357
1-4	476
1-5	595
1-6	714
1-7	833
1-8	952
1-9	1071
1-10	1190
1-11	1309
1-12	1428

After the first 12 calendar months of operation, compliance with the annual coating usage limitation shall be based upon a rolling, 12-month summation of the coating usage figures.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (K001) is in operation:
 - a. The coating usage for each day, in gallons.
2. The permittee shall collect and maintain the following information, on a monthly basis, while

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Emissions Unit ID: **K001**

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emissions unit (K001) is in operation:

- a. The coating usage for each month, in gallons.
- b. Beginning after the first 12 calendar months of operation, the rolling, 12-month summation of the coating usage figures.
- c. HAP volume fraction of coating(s), (gal HAP/gal coating).
- d. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
- e. The total facility-wide HAPs emission rate for an aggregate of two or more HAPs, in tons per rolling 12-months period.

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative coating usage for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative coating usage levels. These written reports shall be submitted to the Director (Cleveland Bureau of Air Pollution Control) within 30 days of such an exceedance.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing if the VOC content of any coating exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (Cleveland Bureau of Air Pollution Control) within 30 days after the exceedance occurs.

E. Testing Requirements

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. Emission limitation: 32 pounds VOC per day

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements as specified in term C.1. "

Monitoring and/or Recording Requirements"

2. Emission limitation: 2.5 tons VOC per rolling 12-month

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements as specified in term C.1. "Monitoring and/or Recording Requirements"

3. USEPA Method 24 shall be used to determine the VOC contents for coatings. The permittee must either conduct a Method 24 analysis of the coating or obtain a Method 24 analysis of the coating from the coating supplier. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

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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:

$$\text{lbs/month} = \text{HAP volume fraction (gal HAP/gal coating)*density(HAP)*gallons/month}$$

Apply the above equation to each single HAP from emissions unit (K001). 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.3 of these terms and conditions to obtain total lbs HAPs emissions/month, sum total the total monthly emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

None

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Emissions Unit ID: P001

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(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 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>
P001 - Process: drum and tote container filling operation. Facility ID: drum filling station No. 1	OAC rule 3745-31-05 (A)(3)	OC (organic compounds) emissions shall not exceed 7.3 tons per rolling 12-month period.
	OAC rule 3745-21-07 (G)(2)	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
	OAC rule 3745-35-07 (B)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day
		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)

2. Additional Terms and Conditions

2.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 Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (P001) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The hours of operation, in hours per day.
 - g. The total average OC emission rate for all products, in pounds per hour.
 - h. The total OC emission rate for all products, in pounds per day.
 - i. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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

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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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. 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:

$$\text{AP-42, section 5.2 (5/95), Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$$

$$\text{lbs/day} = (L_L) * (\text{gallons/day})$$

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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/day = $(L_L) * \text{gallons}/\text{day}$

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

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- 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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/month = $(L_L) * \text{gallons}/\text{month}$

Apply the above equation to each single HAP from emissions unit (P001). 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:

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Emissions Unit ID: **P001**

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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 emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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)	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
	OAC rule 3745-21-07 (G)(2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day
	OAC rule 3745-35-07 (B)	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 HAPs

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

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PTI /

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

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.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (P002) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The hours of operation, in hours per day.
 - g. The total average OC emission rate for all products, in pounds per hour.
 - h. The total OC emission rate for all products, in pounds per day.
 - i. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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.

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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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. 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:

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

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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/day = $(L_L) * \text{gallons}/\text{day}$

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

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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), $\text{Loading losses} = L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
 $\text{lbs/month} = (L_L) * \text{gallons/month}$

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:

Chen

PTI /

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

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 emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
P003 - Process: drum and tote container filling operation. Facility ID: drum filling station No. 3	OAC rule 3745-31-05 (A)(3)	OC (organic compounds) emissions shall not exceed 7.3 tons per rolling 12-month period.
	OAC rule 3745-21-07 (G)(2)	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
	OAC rule 3745-35-07 (B)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day
		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 HAPs

2. Additional Terms and Conditions

- 2.a None

B. Operational Restrictions

Chen

PTI /

Emissions Unit ID: **P003**

Issued: To be entered upon final issuance

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.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (P003) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The hours of operation, in hours per day.
 - g. The total average OC emission rate for all products, in pounds per hour.
 - h. The total OC emission rate for all products, in pounds per day.
 - i. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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.

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Emissions Unit ID: P003

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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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. 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:

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

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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/day = $(L_L) * \text{gallons}/\text{day}$

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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
lbs/month = $(L_L) * \text{gallons}/\text{month}$

Apply the above equation to each single HAP from emissions unit (P003). 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.

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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 emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
P004 - Process: mixing and loading operation. Equipment: 8,000 gallon above ground mixing tank and loading area (drum filling area). Facility ID: MT1	OAC rule 3745-31-05 (A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07 (G)(2) and OAC rule 3745-35-07 (B)
	OAC rule 3745-21-07 (G)(2)	Organic compounds (OC) emissions shall not exceed 8 pounds per hour and 40 pounds per day
	OAC rule 3745-35-07 (B)	OC emissions shall not exceed 2.0 tons per rolling 12-month period 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 HAPs

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The Best Available Technology determination for this emissions unit is the use of submerged

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Emissions Unit ID: **P004**

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filling or bottom filling system for all containers and tote containers with a capacity greater than 55 gallons.

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- 2. The emissions of OC from this emissions unit shall not exceed 2.0 tons per year, based upon a rolling, 12-month summation of the monthly emissions. The following equation shall be used to calculate monthly emissions:

AP-42, section 5.2 (5/95), Loading losses = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
 USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{day} = (L_L + E_F) * \text{gallons}/\text{day}$$

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

- 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
- E_F = Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Emissions of OC (Tons)</u>
1	0.17
1-2	0.33
1-3	0.50
1-4	0.67
1-5	0.83
1-6	1.0
1-7	1.2
1-8	1.3

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1-9	1.5
1-10	1.7
1-11	1.8
1-12	2.0

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitation for OC shall be based upon a rolling, 12-month summation of the monthly emissions.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (P004) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The hours of operation, in hours per day.
 - g. The total average OC emission rate for all products, in pounds per hour.
 - h. The total OC emission rate for all products, in pounds per day.
 - i. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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

Emissions Unit ID: P004

(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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. 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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{day} = (L_L + E_F) * \text{gallons}/\text{day}$$

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 hours of operation (hrs/day).

S= Saturation factor (1.45 for splash filling; 0.6 for submerged filling dedicated

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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

E_F= Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

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:

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AP-42, section 5.2 (5/95), Loading losses = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{day} = (L_L + E_F) * \text{gallons}/\text{day}$$

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
- E_F = Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

3. Emission limitation: 2.0 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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{month} = (L_L + E_F) * \text{gallons}/\text{month}$$

Apply the above equation to each single HAP from emissions unit (P004). Sum total the total monthly emissions for each single HAP

Emissions Unit ID: **P004**

(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
- E_F= Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

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 emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

1. The permittee shall develop additional emission factor(s) for product(s) being employed in emissions unit (P004), provided the new emission factor(s) are mutually agree upon from the Director (Cleveland Bureau of Air Pollution Control) and CHEMCENTRAL.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(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 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>
P005 - Process: mixing and loading operation. Equipment: 8,000 gallon above ground mixing tank and loading area (drum filling area). Facility ID: MT2	OAC rule 3745-31-05 (A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07 (G)(2) and OAC rule 3745-35-07 (B)
	OAC rule 3745-21-07 (G)(2)	Organic compounds (OC) emissions shall not exceed 8 pounds per hour and 40 pounds per day
	OAC rule 3745-35-07 (B)	OC emissions shall not exceed 2.0 tons per rolling 12-month period
		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 HAPs

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

Emissions Unit ID: **P005**

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.

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- The emissions of OC from this emissions unit shall not exceed 2.0 tons per year, based upon a rolling, 12-month summation of the monthly emissions. The following equation shall be used to calculate monthly emissions:

AP-42, section 5.2 (5/95), Loading losses = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs/day} = (L_L + E_F) * \text{gallons/day}$$

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

- 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
- E_F = Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Emissions of OC (Tons)</u>
1	0.17
1-2	0.33
1-3	0.50
1-4	0.67
1-5	0.83
1-6	1.0
1-7	1.2
1-8	1.3

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Emissions Unit ID: **P005**

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1-9	1.5
1-10	1.7
1-11	1.8
1-12	2.0

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitation for OC shall be based upon a rolling, 12-month summation of the monthly emissions.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and maintain the following information, on a daily basis, while emissions unit (P005) is in operation:
 - a. The name and identification of each OC product.
 - b. The volume throughput of each OC product in gallons.
 - c. The density of each OC product, in pounds per gallon.
 - d. The molecular weight of each OC product.
 - e. The vapor pressure of each OC product in pounds per square inch absolute.
 - f. The hours of operation, in hours per day.
 - g. The total average OC emission rate for all products, in pounds per hour.
 - h. The total OC emission rate for all products, in pounds per day.
 - i. 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:
 - a. The name and identification of each HAP product.
 - b. The volume throughput of each HAP product, in gallons.
 - c. The density of each HAP product, in pounds per gallon.
 - d. The molecular weight of each HAP product.
 - e. The total facility-wide HAPs emission rate for each HAP, in tons per rolling 12-months period.
 - f. 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

Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. 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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
 USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{day} = (L_L + E_F) * \text{gallons}/\text{day}$$

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 hours of operation (hrs/day).

S= Saturation factor (1.45 for splash filling; 0.6 for submerged filling dedicated

Chen

PTI /

Emissions Unit ID: **P005**

Issued: To be entered upon final issuance

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

E_F= Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

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:

Chen

PTI

Emissions Unit ID: P005

Issued: To be entered upon final issuance

AP-42, section 5.2 (5/95), Loading losses = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{day} = (L_L + E_F) * \text{gallons}/\text{day}$$

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
- E_F = Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

3. Emission limitation: 2.0 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 = $L_L = (\text{lbs}/1000 \text{ gallons}) = (12.46 * S * P * M) / T$
USEPA TANKS (worst case), Emission factors = $E_F = (\text{lbs}/1000 \text{ gallons})$

$$\text{Equation} = \text{lbs}/\text{month} = (L_L + E_F) * \text{gallons}/\text{month}$$

Apply the above equation to each single HAP from emissions unit (P005). Sum total the total monthly emissions for each single HAP

Emissions Unit ID: **P005**

(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
- E_F= Emission factors (PPG Chemfill D-PS 3341 LT = 0.18 lbs/1000 gallons, PPG Chemfill Polypurge OH = 0.35 lbs/1000 gallons and others)

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 emissions (total lbs HAPs 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.

F. Miscellaneous Requirements

1. The permittee shall develop additional emission factor(s) for product(s) being employed in emissions unit (P005), provided the new emission factor(s) are mutually agree upon from the Director (Cleveland Bureau of Air Pollution Control) and CHEMCENTRAL.

NEW SOURCE REVIEW FORM B

PTI Number: 13-03591 Facility ID: 1318557875

FACILITY NAME CHEMCENTRAL

FACILITY DESCRIPTION Three drum filling stations, three tank truck loading racks, one paint spray booth and two mixing & loading processes. CITY/TWP Strongsville

SIC CODE 5169 SCC CODE 40704406 EMISSIONS UNIT ID J001

EMISSIONS UNIT DESCRIPTION Tank truck loading rack equipped with submerged filling system. The tank truck loading rack will load liquid organic compounds. Facility ID: transport loading station No. 1

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		2.2 lbs/day	0.11	234 lbs/day	9.3
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
 The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tank trucks and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03591 Facility ID: 1318557875

FACILITY NAME CHEMCENTRAL

FACILITY DESCRIPTION Three drum filling stations. three tank truck CITY/TWP Strongsville

Emissions Unit ID: P005

SIC CODE 5169 SCC CODE 40704406 EMISSIONS UNIT ID J002

EMISSIONS UNIT DESCRIPTION Tank truck loading rack equipped with submerged filling system. The tank truck loading rack will load liquid organic compounds. Facility ID: transport loading station No. 2

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		2.2 lbs/day	0.11	234 lbs/day	9.31
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tank trucks and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SC

PTI Num

FACILITY

Emissions Unit ID: **P005**

FACILITY DESCRIPTION Three drum filling stations, three tank truck loading racks, one paint spray booth and two mixing & loading processes. **CITY/TWP** Strongsville

SIC CODE 5169 **SCC CODE** 40704406 **EMISSIONS UNIT ID** J003

EMISSIONS UNIT DESCRIPTION Tank truck loading rack equipped with submerged filling system. The tank truck loading rack will load liquid organic compounds. Facility ID: transport loading station No. 3

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		2.2 lbs/day	0.11	234 lbs/day	9.31
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? **NESHAP?** **PSD?** **OFFSET POLICY?**

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tank trucks and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ _____

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ **YES** **X** **NO**

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 13-03591 Facility ID: 1318557875

FACILITY NAME CHEMCENTRAL

FACILITY DESCRIPTION Three drum filling stations. three tank truck CITY/TWP Strongsville

Emissions Unit ID: P005

SIC CODE 5169 SCC CODE 40704406 EMISSIONS UNIT ID K001

EMISSIONS UNIT DESCRIPTION paint spray booth

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		2.72 lbs/day	0.50	32 lbs/day	2.5
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this source is the maintenance (changed or cleaned) of spray booth exhaust filters per manufacturer's recommendations and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03591

Facility ID: 1318557875

FACILITY NAME CHEMCENTRAL

FACILITY DESCRIPTION Three drum filling stations. three tank truck CITY/TWP Strongsville

Emissions Unit ID: P005

SIC CODE 5169

SCC CODE 40704406

EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION Process: drum and tote container filling operation. Facility ID: drum filling station No. 1

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		0.184 lbs/hr and 4.42 lbs/day	0.804	8 lbs/hr and 40 lbs/day	7.3
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tote and containers having a capacity greater than 55 gallons and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SC

PTI Num

FACILITY

Emissions Unit ID: **P005**

FACILITY DESCRIPTION Three drum filling stations, three tank truck loading racks, one paint spray booth and two mixing & loading processes. CITY/TWP Strongsville

SIC CODE 5169 SCC CODE 40704406 EMISSIONS UNIT ID P002
EMISSIONS UNIT DESCRIPTION Process: drum and tote container filling operation. Facility ID: drum filling station No. 2
DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		0.184 lbs/hr and 4.42 lbs/day	0.804	8 lbs/hr and 40 lbs/day	7.3
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tote and containers having a capacity greater than 55 gallons and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03591

Facility ID: 1318557875

FACILITY NAME CHEMCENTRAL

FACILITY DESCRIPTION Three drum filling stations. three tank truck CITY/TWP Strongsville

Emissions Unit ID: P005

SIC CODE 5169

SCC CODE 40704406

EMISSIONS UNIT ID P003

EMISSIONS UNIT DESCRIPTION Process: drum and tote container filling operation. Facility ID: drum filling station No. 3

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		0.184 lbs/hr and 4.42 lbs/day	0.804	8 lbs/hr and 40 lbs/day	7.3
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tote and containers having a capacity greater than 55 gallons and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03591 Facility ID: 1318557875

FACILITY NAME CHEMCENTRAL

FACILITY DESCRIPTION Three drum filling stations. three tank truck CITY/TWP Strongsville

Emissions Unit ID: P005

SIC CODE 5169 SCC CODE 40704406 EMISSIONS UNIT ID P004

EMISSIONS UNIT DESCRIPTION Process: mixing and loading operation. Equipment: 8,000 gallon above ground mixing tank and loading area (drum filling area). Facility ID: MT1

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		0.0044 lbs/hr and 0.11 lbs/day	0.01	8 lbs/hr and 40 lbs/day	2.0
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tote and containers having a capacity greater than 55 gallons and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SC

PTI Num

FACILITY

Emissions Unit ID: **P005**

FACILITY DESCRIPTION Three drum filling stations, three tank truck loading racks, one paint spray booth and two mixing & loading processes. CITY/TWP Strongsville

SIC CODE 5169 SCC CODE 40704406 EMISSIONS UNIT ID P005

EMISSIONS UNIT DESCRIPTION Process: mixing and loading operation. Equipment: 8,000 gallon above ground mixing tank and loading area (drum filling area). Facility ID: MT2

DATE INSTALLED 3/31/79

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds		0.43 lbs/hr and 1.032 lbs/day	0.079	8 lbs/hr and 40 lbs/day	2.0
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

The BAT determination for this unit emissions unit is the use of submerged or bottom filling system for all tote and containers having a capacity greater than 55 gallons and compliance with the terms and conditions. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS: