



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

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Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

02/29/00

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77 permit

08-55-13-0356
DAP Inc.
Steve Houston
875 North Third Street
Tipp City, OH 45371-3014

Dear Steve Houston:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by RAPCA within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

If you have any questions or comments concerning this draft Title V permit, please contact RAPCA.

Very truly yours,

A handwritten signature in black ink that reads "Thomas G. Rigo". The signature is written in a cursive style with a large, stylized initial "T".

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

cc: USEPA (electronic)
Jim Orlemann, DAPC Engineering
Michael Ahern, DAPC PMU
RAPCA
Indiana



Ohio EPA

State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

Issue Date: 02/29/00

Effective Date:

Expiration Date:

The duration of this permit will be five years.

This document constitutes issuance to:

DAP Inc.
875 North Third Street
Tipp City, OH 45371-3014

of a Title V permit for Facility ID: 08-55-13-0356

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:

B003 (Boiler #2)
14.6 mmBtu/hr natural gas-fired boiler

B004 (Boiler #1)
14.6 mmBtu/hr natural gas-fired boiler

P016 (Mixer No.6)
Paint mixing process

P017 (Mixer 215)
3,200 gallon mixer

P018 (Mixer 216)
3,000 gallon mixer

P020 (MM1 Mastics Mixer No. 1)
Mastics mixer

P021 (MM2 Mastics Mixer No. 2)
Mastics mixer

P022 (CM1 Contact Cement Mixer No. 1)
Contact cement mixer

P023 (CM2 Contact Cement Mixer No. 2)
Contact cement mixer

T027 (TK2 Toluene Storage Tank)

Storage of toluene

T028 (TK3 Hexane Storage Tank)

Storage of hexane

T029 (TK4 Hexane Storage Tank)

Storage of hexane

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

RAPCA
451 West Third Street
PO Box 972
Dayton, OH 45422
(937) 225-4435

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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 all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written 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.) See B.6 below if no deviations occurred during the quarter.
 - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. (“Act”); and, pursuant to 40 CFR 68.215(a), the permittee shall submit either of the following:

- a. a compliance plan for meeting the requirements of 40 CFR Part 68 by the date specified in 40 CFR 68.10(a) and OAC 3745-104-05(A); or
- b. as part of the compliance certification submitted under 40 CFR 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 CFR Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. 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 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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.

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be

submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency and to the Administrator of U.S. EPA in the following manner in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

16. Off Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;
- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

18. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

B. State Only Enforceable Section

1. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

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 of state-only enforceable 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 state-only required 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. 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).

4. 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.

5. 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.

6. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. Within 120 days after promulgation of 40 CFR 63 Subpart FFFF, Misc. Organic NESHAP, the permittee shall submit an Initial Notification Report which certifies whether or not the permittee is subject to the promulgated standard. If the permittee is subject to the final standard, the following information shall also be included in the Initial Notification Report:
 - a. the name and mailing address of the permittee;
 - b. the physical location of the source if it is different from the mailing address;
 - c. identification of the relevant MACT standard and the permittee's compliance date;
 - d. a brief description of the nature, design, size, and method of operation of the source, including the operating design capacity, and an identification of each emission point of each hazardous air pollutant;
 - e. a statement of whether or not the permittee is a major source or an area source according to the promulgated MACT.
2. Within 60 days following completion of the required compliance demonstration activity specified in the 40 CFR 63 Subpart FFFF, the permittee shall submit a notification of compliance status that contains the following information:
 - a. the methods used to determine compliance;
 - b. the results of any performance tests, opacity or visible emission observations, continuous monitoring systems (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - c. the methods that will be used for determining continuous compliance, including a description of monitoring and reporting requirements and test methods;
 - d. the type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times in accordance with the test methods specified in 40 CFR 63 Subpart FFFF;
 - e. an analysis demonstrating whether the affected source is a major source or an area source;
 - f. a description of the air pollution control equipment or method for each emission point, including each control device or method for each hazardous air pollutant and the control efficiency (percent) for each control device or method; and
 - g. a statement of whether or not the permittee has complied with the requirements of 40 CFR 63 Subpart FFFF.

B. State Only Enforceable Section

1. The following insignificant emission units are located at this facility:

P001	Steel Ball Mill
P002	Steel Ball Mill
P005	Let Down Tanks
P006	Solvent Filling
P007	Solvent Filling
P008	Quart Paint Filling Line
P011	Aerosol
P012	Mixer
P013	Mixer
P014	Mixer
P015	Mixer
R001	Paint Spray Booth
Z001	TK A WIP Tank
Z002	TK B WIP Tank
Z003	TK C WIP Tank
Z004	TK D WIP Tank
Z005	TK E WIP Tank
Z006	TK F WIP Tank
Z007	TK G WIP Tank
Z008	TK H WIP Tank
Z009	TK I WIP Tank
Z010	TK J WIP Tank
Z011	TK K WIP Tank
Z012	TK L WIP Tank
Z013	TK M WIP Tank
Z014	Tank Cleaning
Z015	TKI Acetone Storage
Z016	Tank 5A-Med Oil Alkyd Storage
Z017	TK5B Vinyl Toluene Alkyd Storage
Z018	TK6A Lactol Spirits Storage
Z019	TK6B Methylene Chloride Storage
Z020	TK 7 A Mineral Spirits Storage
Z021	TK 7B VM and P Naphta Storage
Z022	TK 8A Aromatic Hydrocarbon Storage
Z023	TK 8B MEK Storage
Z024	White Glue Storage Tank
Z025	Yellow Glue Storage Tank
Z026	White Glue Storage Tank
Z027	Piping Components
Z028	Emergency Generator 285 HP
Z029	1 Gallon Line (Woodlife)
Z030	Shared Packaging Line
Z031	Packaging Line CC
Z032	Packaging Line 1 and 3 oz CC
Z033	Packaging Line 10 oz
Z034	Packaging Line 29 oz
Z035	Hand Filling of 5 Gallon Pails
Z036	Dumping/Transfer of Dry Raw Materials
Z037	Dumping of Bags Directly to Mixer
Z038	Aerosol Can Depressurization

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #2 (B003)
Activity Description: 14.6 mmBtu/hr natural gas-fired boiler

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
15 mmBtu/hr natural gas-fired boiler (boiler #2)	OAC rule 3745-17-10(B)(1) OAC rule 3745-17-07(A)(1)	0.020 pound of particulate emissions (PE) per mmBtu of actual heat input Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- 2.a Since natural gas is the only fuel fired in this emissions unit, no SO₂ emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

II. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance Methods

Compliance with the emissions limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method:

Compliance with the emission limitation of 0.020 lb PE/mmBtu shall be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (0.015 mm cu. ft./hr) by the AP-42 Fifth Edition, Table 1.4-1 (revised 7/98) emission factor for natural gas of 1.9 lbs PE (filterable)/mmscf, and dividing by the maximum hourly heat input capacity of the emissions unit (15 mmBtu/hr).

If required, the permittee shall demonstrate compliance pursuant to OAC rule 3745-17-03(B)(9).

1.b Emission Limitation-
20% opacity, as a six-minute average

Applicable Compliance Method-

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #1 (B004)
Activity Description: 14.6 mmBtu/hr natural gas-fired boiler

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
15 mmBtu/hr natural gas-fired boiler (boiler #1)	OAC rule 3745-17-10(B)(1) OAC rule 3745-17-07(A)(1)	0.020 pound of particulate emissions (PE) per mmBtu of actual heat input Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- 2.a Since natural gas is the only fuel fired in this emissions unit, no SO₂ emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

II. Operational Restrictions

- The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

- For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

- The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

- Compliance Methods

Compliance with the emissions limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation:
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method:

Compliance with the emission limitation of 0.020 lb PE/mmBtu shall be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (0.015 mm cu. ft./hr) by the AP-42 Fifth Edition, Table 1.4-1 (revised 7/98) emission factor for natural gas of 1.9 lbs PE (filterable)/mmscf, and dividing by the maximum hourly heat input capacity of the emissions unit (15 mmBtu/hr).

If required, the permittee shall demonstrate compliance pursuant to OAC rule 3745-17-03(B)(9).

- 1.b** Emission Limitation-
20% opacity, as a six-minute average

Applicable Compliance Method-

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer No.6 (P016)
Activity Description: Paint mixing process

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Cowles 450-gallon paint mixer, mixer #6, with fabric filter	OAC rule 3745-21-07(G)(2)	8 lbs/hr organic compounds (OC) 40 lbs/day OC
	OAC rule 3745-17-11(B)(1)	3.53 lbs/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within the range of 2 to 3 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the mixing operation:
 - a. the company identification for each batch of paint mixed;
 - b. the total number of gallons of all paints produced;
 - c. the total organic compound emission rate for all paints produced (0.0054* x III.1.b), in pounds;
 - d. the total number of hours the emissions unit was in operation; and
 - e. the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of paint produced) derived from material balance and engineering studies.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of paint exceeded 8 pounds per hour, and the actual average hourly organic compound emission rate for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of paint exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
 - c. An identification of all periods of time during which the pressure drop across the fabric filter was not maintained between 2 to 3 inches of water while the emissions unit was in operation, and the actual pressure drop for each such period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-
8 lbs/hr OC
40 lbs/day OC

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

- 1.b Emission Limitation-
3.53 lbs/hr PE

Compliance Method-

Compliance shall be determined by multiplying the maximum process weight (0.80 ton/hr) by the AP-42, Section 6.4, Table 6.4-1 (revised 1/95) emission factor of 20 lbs PE/ton of paint produced. The result shall then be multiplied by a fabric filter control factor of (1-0.95)*.

If required, the permittee shall demonstrate compliance with the limitation above pursuant to Method 5 of 40 CFR Part 60, Appendix A.

* The control efficiency of the fabric filter is assumed to be 95%.

- 1.c Emission Limitation-
20% opacity, as a six-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

Facility Name: **DAP Inc.**
Facility ID: **08-55-13-0356**
Emissions Unit: **Mixer No.6 (P016)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer 215 (P017)
Activity Description: 3,200 gallon mixer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
#215 mixer for wood preservatives (3200-gallon capacity), with fabric filter	OAC rule 3745-21-07(G)(2)	8 lbs/hr organic compounds (OC) 40 lbs/day OC
	OAC rule 3745-17-11(B)(1)	9.22 lbs/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-31-05 PTI #08-1492	3.2 tons/year OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The pressure drop across the fabric filter shall be maintained within the range of 2 to 3 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the mixing operation:
 - a. the company identification for each batch of wood preservative produced;
 - b. the total number of gallons of all wood preservatives produced;
 - c. the total organic compound emission rate for all wood preservatives produced ($0.0004^* \times \text{III.1.b}$), in pounds;
 - d. the total number of hours the emissions unit was in operation;
 - e. the total amount of solid material added to the wood preservative mixture, in tons;
 - f. the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average); and
 - g. the average hourly amount of solid material added to the wood preservative mixture (III.1.e/III.1.d), in tons per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of wood preservative produced) derived from material balance and engineering studies.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of wood preservatives exceeded 8 pounds per hour, and the actual average hourly organic compound emission rate for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of wood preservatives exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
 - c. An identification of all periods of time during which the pressure drop across the fabric filter was not maintained between 2 to 3 inches of water while the emissions unit was in operation, and the actual pressure drop for each such period.
2. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation-
8 lbs/hr OC
40 lbs/day OC

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

- 1.b** Emission Limitation-
9.22 lbs/hr PE

Compliance Method-

Compliance shall be determined by multiplying the amount of solid materials employed (from section A.III) by the AP-42, Section 6.4, Table 6.4-1 (revised 1/95) emission factor of 20 lbs PE/ton of pigment produced. The result shall then be multiplied by a fabric filter control factor of $(1-0.95)^*$.

If required, the permittee shall demonstrate compliance with the limitation above pursuant to Method 5 of 40 CFR Part 60, Appendix A.

* The control efficiency of the fabric filter is assumed to be 95%.

- 1.c** Emission Limitation-
20% opacity, as a six-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emission Limitation:
3.2 tons/year OC

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements in section A.III and shall be the summation of the daily OC emissions for the calendar year divided by 2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer 216 (P018)
Activity Description: 3,000 gallon mixer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
#216 mixer for wood preservatives (3000-gallon capacity), with fabric filter	OAC rule 3745-21-07(G)(2)	8 lbs/hr organic compounds (OC) 40 lbs/day OC
	OAC rule 3745-17-11(B)(1)	9.31 lbs/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-31-05 PTI #08-1492	3.2 tons/year OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The pressure drop across the fabric filter shall be maintained within the range of 2 to 3 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the mixing operation:
 - a. the company identification for each batch of wood preservative produced;
 - b. the total number of gallons of all wood preservatives produced;
 - c. the total organic compound emission rate for all wood preservatives produced ($0.0004^* \times \text{III.1.b}$), in pounds;
 - d. the total number of hours the emissions unit was in operation;
 - e. the total amount of solid material added to the wood preservative mixture, in tons;
 - f. the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average); and
 - g. the average hourly amount of solid material added to the wood preservative mixture (III.1.e/III.1.d), in tons per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of wood preservative produced) derived from material balance and engineering studies.

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of wood preservatives exceeded 8 pounds per hour, and the actual average hourly organic compound emission rate for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of wood preservatives exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
 - c. An identification of all periods of time during which the pressure drop across the fabric filter was not maintained between 2 to 3 inches of water while the emissions unit was in operation, and the actual pressure drop for each such period.
2. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation-
8 lbs/hr OC
40 lbs/day OC

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

- 1.b** Emission Limitation-
9.31 lbs/hr PE

Compliance Method-

Compliance shall be determined by multiplying the amount of solid materials employed (from section A.III) by the AP-42, Section 6.4, Table 6.4-1 (revised 1/95) emission factor of 20 lbs PE/ton of pigment produced. The result shall then be multiplied by a fabric filter control factor of $(1-0.95)^*$.

If required, the permittee shall demonstrate compliance with the limitation above pursuant to Method 5 of 40 CFR Part 60, Appendix A.

* The control efficiency of the fabric filter is assumed to be 95%.

- 1.c** Emission Limitation-
20% opacity, as a six-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emission Limitation:
3.2 tons/year OC

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements in section A.III and shall be the summation of the daily OC emissions for the calendar year divided by 2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MM1 Mastics Mixer No. 1 (P020)
Activity Description: Mastics mixer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
MMI mastics mixer no. 1, with condenser	OAC rule 3745-21-07 (G)(2)	less stringent than the limitations established pursuant to OAC rule 3745-31-05
	OAC rule 3745-31-05(A)(3) PTI #08-3642	2.93 lbs OC/hr, 38.09 lbs OC/day, and 2.87 TPY OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The average temperature of the exhaust gases from the condenser, for any 3-hour block of time, shall not be greater than 115 degrees F.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the mixing operation:
 - a. the company identification for each batch of mastic material produced;
 - b. the total number of gallons of all mastic materials produced;
 - c. the total organic compound emission rate for all mastic materials produced (0.0006* x III.1.b), in pounds;
 - d. the total number of hours the emissions unit was in operation; and
 - e. the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of mastic material produced).

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the condenser when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within +/- 1 percent of the temperature being measured or +/-5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. The average temperature of the exhaust gases from the condenser during each of the eight 3-hour blocks of time during the day.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of mastic materials exceeded 2.93 pounds per hour, and the actual average organic compound emissions for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of mastic materials exceeded 38.09 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the condenser exceeded the temperature limitation specified above.
3. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-
2.93 lbs OC/hr
38.09 lbs OC/day

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
2.87 tons OC/yr

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III and shall be the summation of the daily organic compound emission rates from the production of mastic materials for the calendar year divided by 2,000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MM2 Mastics Mixer No. 2 (P021)
Activity Description: Mastics mixer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
MMI mastics mixer no. 2, with condenser	OAC rule 3745-21-07 (G)(2)	less stringent than the limitations established pursuant to OAC rule 3745-31-05
	OAC rule 3745-31-05(A)(3) PTI #08-3642	2.93 lbs OC/hr, 38.09 lbs OC/day, and 2.87 TPY OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The average temperature of the exhaust gases from the condenser, for any 3-hour block of time, shall not be greater than 115 degrees F.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the mixing operation:
 - a. the company identification for each batch of mastic material produced;
 - b. the total number of gallons of all mastic materials produced;
 - c. the total organic compound emission rate for all mastic materials produced (0.0006* x III.1.b), in pounds;
 - d. the total number of hours the emissions unit was in operation; and
 - e. the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of mastic material produced).

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the condenser when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within +/- 1 percent of the temperature being measured or +/-5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. The average temperature of the exhaust gases from the condenser during each of the eight 3-hour blocks of time during the day.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of mastic materials exceeded 2.93 pounds per hour, and the actual average organic compound emissions for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of mastic materials exceeded 38.09 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the condenser exceeded the temperature limitation specified above.
3. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-
2.93 lbs OC/hr
38.09 lbs OC/day

Applicable Compliance Method-
Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
2.87 tons OC/yr

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III and shall be the summation of the daily organic compound emission rates from the production of mastic materials for the calendar year divided by 2,000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: CM1 Contact Cement Mixer No. 1 (P022)
Activity Description: Contact cement mixer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
contact cement mixer no. 1, with condenser	OAC rule 3745-21-07 (G)(2)	less stringent than the limitations established pursuant to OAC rule 3745-31-05
	OAC rule 3745-31-05(A)(3) PTI #08-3642	1.9 lbs OC/hr, 30.4 lbs OC/day, and 1.69 TPY OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The average temperature of the exhaust gases from the condenser, for any 3-hour block of time, shall not be greater than 115 degrees F.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the mixing operation:
 - a. the company identification for each batch of contact cement material produced;
 - b. the total number of gallons of all contact cement materials produced;
 - c. the total organic compound emission rate for all contact cement materials produced (0.0004* x III.1.b), in pounds;
 - d. the total number of hours the emissions unit was in operation; and
 - e. the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of contact cement material produced).

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the condenser when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within +/- 1 percent of the temperature being measured or +/-5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. The average temperature of the exhaust gases from the condenser during each of the eight 3-hour blocks of time during the day.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of contact cement materials exceeded 1.9 pounds per hour, and the actual average organic compound emissions for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of contact cement materials exceeded 30.4 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the condenser exceeded the temperature limitation specified above.
3. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitations-
1.9 lbs OC/hr
30.4 lbs OC/day

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
1.69 tons OC/yr

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III and shall be the summation of the daily organic compound emission rates from the production of contact cement materials for the calendar year divided by 2,000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: CM2 Contact Cement Mixer No. 2 (P023)
Activity Description: Contact cement mixer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
contact cement mixer no. 2, with condenser	OAC rule 3745-21-07 (G)(2)	less stringent than the limitations established pursuant to OAC rule 3745-31-05
	OAC rule 3745-31-05(A)(3) PTI #08-3642	1.9 lbs OC/hr, 30.4 lbs OC/day, and 1.69 TPY OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The average temperature of the exhaust gases from the condenser, for any 3-hour block of time, shall not be greater than 115 degrees F.

III. Monitoring and/or Record Keeping Requirements

- The permittee shall collect and record the following information each day for the mixing operation:
 - the company identification for each batch of contact cement material produced;
 - the total number of gallons of all contact cement materials produced;
 - the total organic compound emission rate for all contact cement materials produced (0.0004* x III.1.b), in pounds;
 - the total number of hours the emissions unit was in operation; and
 - the average hourly organic compound emission rate (III.1.c/III.1.d), in pounds per hour (average).

* This is a company-supplied OC emission factor (lbs OC/gallon of contact cement material produced).

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the condenser when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within +/- 1 percent of the temperature being measured or +/-5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. The average temperature of the exhaust gases from the condenser during each of the eight 3-hour blocks of time during the day.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

IV. Reporting Requirements

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emission rate from the production of contact cement materials exceeded 1.9 pounds per hour, and the actual average organic compound emissions for each such hour.
 - b. An identification of each day during which the organic compound emission rate from the production of contact cement materials exceeded 30.4 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the condenser exceeded the temperature limitation specified above.
3. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitations-
1.9 lbs OC/hr
30.4 lbs OC/day

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III of this permit.

If required, the permittee shall demonstrate compliance with the limitations above pursuant to Method 25 of 40 CFR Part 60, Appendix A.

Facility Name: **DAP Inc.**
Facility ID: **08-55-13-0356**
Emissions Unit: **CM2 Contact Cement Mixer No. 2 (P023)**

V. Testing Requirements (continued)

1.b Emission Limitation-
1.69 tons OC/yr

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III and shall be the summation of the daily organic compound emission rates from the production of contact cement materials for the calendar year divided by 2,000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TK2 Toluene Storage Tank (T027)
Activity Description: Storage of toluene

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
12,000-gallon toluene storage tank	OAC rule 3745-21-09(L) 40 CFR Part 60 Subpart Kb OAC rule 3745-31-05(A)(3) (PTI #08-3642)	Exempt, see A.2.a. See A.III.1. 1.0 TPY organic compounds (OC)

2. Additional Terms and Conditions

- In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall keep readily accessible records, showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, for the life of the emissions unit.
- The permittee shall perform annual inspections of the white paint finish of the storage tank and make repairs when necessary, to maintain the white tank finish in good condition.
- The permittee shall maintain monthly records of the toluene throughput, in gallons.

IV. Reporting Requirements

- The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:
1.0 TPY OC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements specified in Section A.III.3 and the formulas provided in AP-42, Chapter 7, Organic Liquid Storage Tanks, section 7.1.3.1, Total Losses from Fixed Roof Tanks (9/1997) or the "Tanks 4.0" software program.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TK3 Hexane Storage Tank (T028)
Activity Description: Storage of hexane

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
12,000-gallon hexane storage tank	OAC rule 3745-21-09(L) 40 CFR Part 60 Subpart Kb OAC rule 3745-31-05(A)(3) (PTI #08-3642)	Exempt, see A.2.a. See A.III.1. 1.0 TPY organic compounds (OC)

2. Additional Terms and Conditions

- In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permittee shall keep readily accessible records, showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, for the life of the emissions unit.
- The permittee shall perform annual inspections of the white paint finish of the storage tank and make repairs when necessary, to maintain the white tank finish in good condition.
- The permittee shall maintain monthly records of the hexane throughput, in gallons.

IV. Reporting Requirements

- The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:
1.0 TPY OC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements specified in Section A.III.3 and the formulas provided in AP-42, Chapter 7, Organic Liquid Storage Tanks, section 7.1.3.1, Total Losses from Fixed Roof Tanks (9/1997) or the "Tanks 4.0" software program.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TK4 Hexane Storage Tank (T029)
Activity Description: Storage of hexane

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
12,000-gallon hexane storage tank	OAC rule 3745-21-09(L) 40 CFR Part 60 Subpart Kb OAC rule 3745-31-05(A)(3) (PTI #08-3642)	Exempt, see A.2.a. See A.III.1. 1.0 TPY organic compounds (OC)

2. Additional Terms and Conditions

- 2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep readily accessible records, showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, for the life of the emissions unit.
2. The permittee shall perform annual inspections of the white paint finish of the storage tank and make repairs when necessary, to maintain the white tank finish in good condition.
3. The permittee shall maintain monthly records of the hexane throughput, in gallons.

IV. Reporting Requirements

1. The permittee shall submit annual reports to the Director (Ohio EPA District Office or local air agency) which summarize the actual annual OC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:
1.0 TPY OC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements specified in Section A.III.3 and the formulas provided in AP-42, Chapter 7, Organic Liquid Storage Tanks, section 7.1.3.1, Total Losses from Fixed Roof Tanks (9/1997) or the "Tanks 4.0" software program.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Facility Name: **DAP Inc.**
Facility ID: **08-55-13-0356**

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