



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: April 28, 2023

Effective Date: April 28, 2023

Expiration Date: April 27, 2028

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 41-00079

Natural Minor

Federal Tax Id - Plant Code: 26-3155153-1

Owner Information

Name: EUREKA RESOURCES LLC

Mailing Address: 454 PINE ST

WILLIAMSPORT, PA 17701-6200

Plant Information

Plant: EUREKA RESOURCES/WILLIAMSPORT PLT

Location: 41 Lycoming County

41001 Williamsport City

SIC Code: 5093 Wholesale Trade - Scrap And Waste Materials

Responsible Official

Name: DANIEL ERTEL

Title: MANAGING MEMBER

Phone: (570) 322 - 2384

Email: D.Ertel@eureka-resources.com

Permit Contact Person

Name: JEREL J BOGDAN

Title: VP ENGINEERING

Phone: (716) 867 - 0823

Email: J.Bogdan@eureka-resources.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.
- #023 Reporting
- #024 Report Format

Section C. Site Level State Only Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level State Only Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Source Group Restrictions

- E-I: Restrictions



SECTION A. Table of Contents

- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

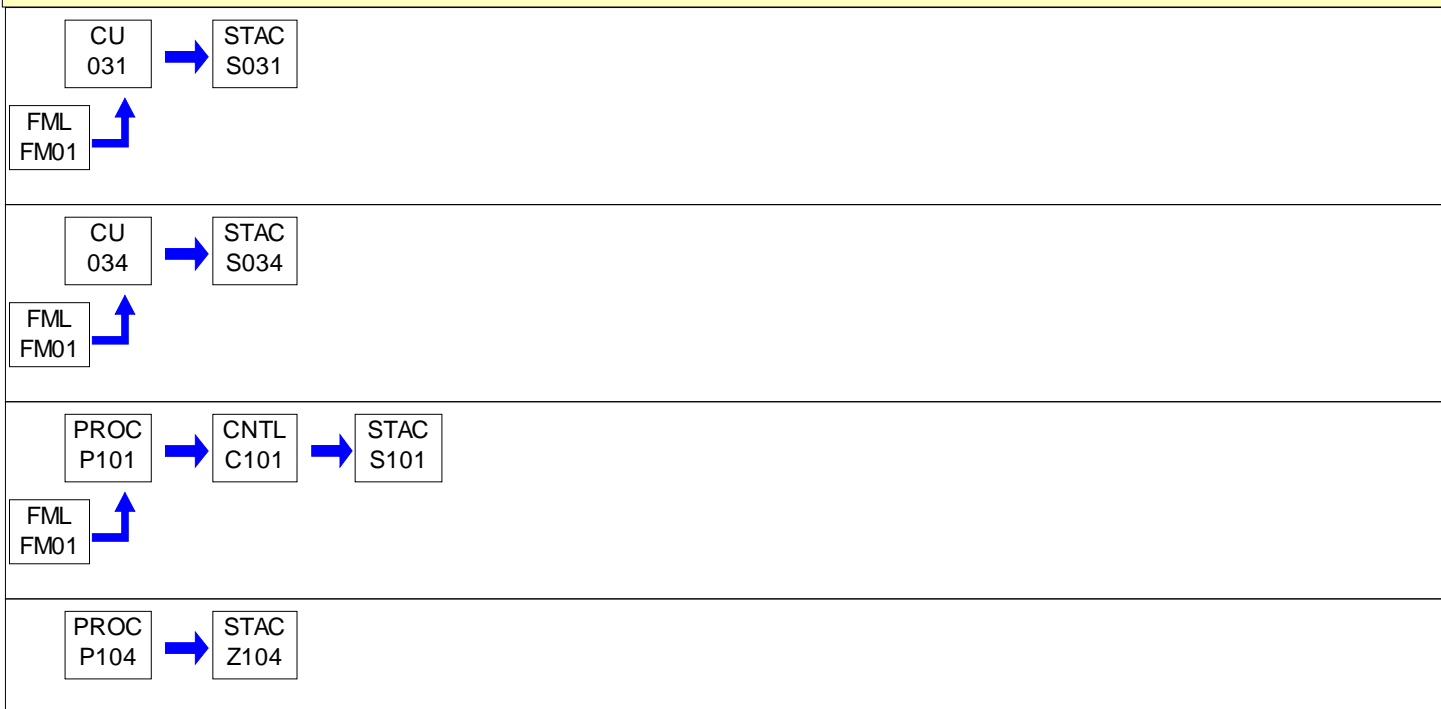
- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

Section G. Emission Restriction Summary

Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	UNIT 1 STARTUP BOILER		
034	METHANOL RECOVERY BOILER		
P101	896 BHP, WAUKESHA L7042G, UNIT 1 COMPRESSOR ENG		
P104	WASTEWATER TREATMENT OPERATION		
C101	3-WAY CATALYTIC CONVERTER		
FM01	NATURAL GAS		
S031	BOILER STACK		
S034	BOILER STACK		
S101	STACK		
Z104	FUGITIVE VOCS/VHAPS		

PERMIT MAPS

**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]**Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not permit the emission of fugitive air contaminants into the outdoor atmosphere from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (a) the emissions are of minor significance with respect to causing air pollution; and
- (b) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) in condition #001 above if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.41]**Limitations**

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 60% at any time.

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in 25 Pa. Code Sections 123.1(a)(1) through (9).

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

006 [25 Pa. Code §139.11]**General requirements.**

- (1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.
- (2) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient



SECTION C. Site Level Requirements

information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum all of the following:

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw material or the rate of production of final product, boiler pressure, oven temperature and other conditions which may affect emissions from the process.
- (c) The location of the sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (f) Laboratory procedures and results.
- (g) Calculated results.

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §135.5]

Recordkeeping

The permittee shall maintain such records including computerized records as may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21. These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

All records generated pursuant to this condition shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (1) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (2) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (3) The report shall describe the following:
 - (a) name, permit or authorization number, and location of the facility,
 - (b) nature and cause of the malfunction, emergency or incident,
 - (c) date and time when the malfunction, emergency or incident was first observed,

**SECTION C. Site Level Requirements**

- (d) expected duration of excess emissions,
- (e) estimated rate of emissions,
- (f) corrective actions or preventative measures taken.

(4) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (2) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (3), and any permit specific malfunction reporting requirements.

(5) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (2) through (4), as applicable, including any permit specific malfunction reporting requirements.

(6) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(7) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall submit all requested reports in accordance with the Department's suggested format.

011 [25 Pa. Code §135.3]**Reporting**

(1) A person who owns or operates a source to which 25 Pa. Code Section 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an annual AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(2) A person who receives initial notification by the Department that an annual AIMS report is necessary shall submit an initial annual AIMS report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(3) A source owner or operator may request an extension of time from the Department for the filing of an annual AIMS report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in (1) through (8) in condition #001 above. These actions shall include, but not be limited to, the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

014 [25 Pa. Code §123.31]**Limitations**

**SECTION C. Site Level Requirements**

The permittee shall not permit the emission of any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the permittee on whose land the source is being operated.

015 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not permit the open burning of material at the facility unless in accordance with 25 Pa. Code Section 129.14.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

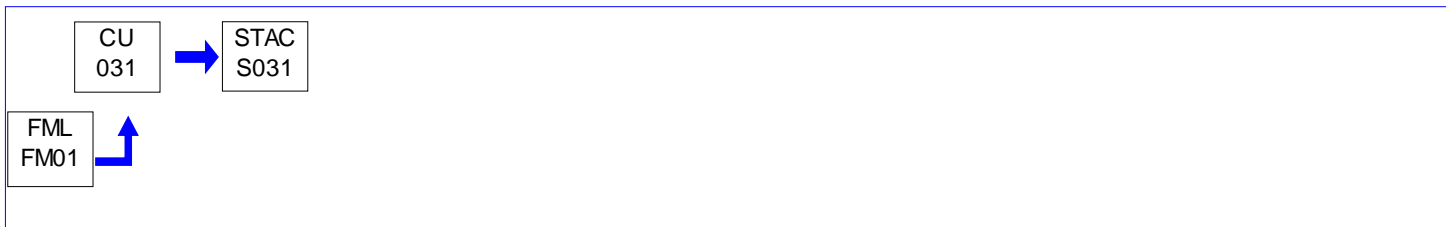
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: UNIT 1 STARTUP BOILER

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source 031 shall not exceed the following limitations:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 0.25 pounds per hour and 1.10 tons in any 12 consecutive month period.
- (2) carbon monoxide - 0.20 pounds per hour and 0.88 tons in any 12 consecutive month period.
- (3) volatile organic compounds - 0.013 pounds per hour and 0.06 tons in any 12 consecutive month period.
- (4) sulfur oxides (SO_x, expressed as SO₂) - 0.0015 pounds per hour and 0.01 tons in any 12 consecutive month period.
- (5) particulate matter/PM-10 - 0.019 pounds per hour and 0.08 tons in any 12 consecutive month period.
- (6) hazardous air pollutants - 0.0045 pounds per hour and 0.02 tons in any 12 consecutive month period.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.22.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source 031 shall only be fired on natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source 031 is a 2.5 million Btu per hour, natural gas-fired Saskatoon model OTS-G6OL startup boiler incorporated in Evaporator Distiller #1.

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: METHANOL RECOVERY BOILER

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.11]

Combustion units

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source 034 in excess of 0.40 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as SO₂, into the outdoor atmosphere from Source 034 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source 034 shall only be fired on natural gas.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 034 is a 200 horsepower (6.69 million Btu per hour), natural gas-fired Cleaver Brooks boiler.

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: 896 BHP, WAUKESHAL7042G,UNIT 1 COMPRESSOR ENG

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source P101 shall not exceed the following limitations:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 0.65 grams per brake horsepower-hour, 1.28 pounds per hour and 5.61 tons in any 12 consecutive month period.
- (2) carbon monoxide - 0.90 grams per brake horsepower-hour, 1.78 pounds per hour and 7.80 tons in any 12 consecutive month period.
- (3) volatile organic compounds - 0.10 grams per brake horsepower-hour, 0.20 pounds per hour and 0.88 tons in any 12 consecutive month period.
- (4) sulfur oxides (SO_x, expressed as SO₂) - 0.004 pounds per hour and 0.02 tons in any 12 consecutive month period.
- (5) particulate matter/PM-10 - 0.12 pounds per hour and 0.53 tons in any 12 consecutive month period.
- (6) hazardous air pollutants (including formaldehyde) - 0.02 pounds per hour and 0.09 tons in any 12 consecutive month period.
- (7) formaldehyde - 0.005 grams per brake horsepower-hour, 0.01 pounds per hour and 0.04 tons in any 12 consecutive month period.

Compliance with this condition also ensures compliance with 25 Pa. Code Sections 123.13 and 123.21.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P101 shall only be fired on natural gas.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (1) By no later than December 31, 2026, but not more than one year prior to the specified deadline, the permittee shall perform stack testing on Source P101 to determine the nitrogen oxides (NO_x, expressed as NO₂), carbon monoxide, volatile organic compound and formaldehyde emission rates from the source. All testing shall be performed while the source is operating at its normal maximum rate of production.
- (2) At least 90 days prior to the performance of any testing required herein, the permittee shall submit an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (RA-EPNCstacktesting@pa.gov) and to the Source Testing Section Program Manager (RA-EPstacktesting@pa.gov) for review. This protocol shall describe the test methods and procedures to be used in the performance of testing and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.
- (3) At least 10 days prior to the performance of testing required herein, the permittee shall notify the Department of the actual

**SECTION D. Source Level Requirements**

date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device C101 shall be equipped with instrumentation to continuously monitor the outlet temperature of the respective converter. Additionally, this instrumentation shall be interlocked with Source P101 to shut down the source should the outlet temperature of Control Device C101 exceed 1200°F.

Compliance with this permit condition also ensures compliance with 40 CFR Section 63.6625.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain comprehensive and accurate records of the following:

- (1) The number of hours Source P101 is operated each month for the previous twelve (12) consecutive month period.
- (2) The calculations used to verify compliance with the nitrogen oxides (NO_x, expressed as NO₂), carbon monoxide, volatile organic compound and formaldehyde emission limitations established herein for Source P101 for each month for the previous twelve (12) consecutive month period.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit annual reports to the Department of the following:

- (1) The number of hours Source P101 is operated each month for the previous twelve (12) consecutive month period.
- (2) The calculations used to verify compliance with the nitrogen oxides (NO_x, expressed as NO₂), carbon monoxide, volatile organic compound and formaldehyde emission limitations established for Source P101 for each month for the previous twelve (12) consecutive month period.

The annual reports shall be submitted to the Department no later than March 1 for the previous calendar year.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Within 60 days following the completion of any testing required herein, the permittee shall submit an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (RA-EPNCstacktesting@pa.gov) and the Source Testing Section Program Manager (RA-EPstacktesting@pa.gov) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emissions limitations specified herein.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The submission of reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the

**SECTION D. Source Level Requirements**

Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator's postal address listed below.

EPA Region 3, Air and Radiation Division
Permits Branch (3AD10)
Four Penn Center, 1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

Department of Environmental Protection copies may be sent to:

Pennsylvania Department of Environmental Protection
Air Quality Program Manager
208 W. Third Street, Suite 101
Williamsport, PA 17701

VI. WORK PRACTICE REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my general requirements for complying with this subpart?

The permittee shall operate and maintain Source P101, including Control Device C101 and associated monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, and 40 CFR Section 63.6603]

Source P101 is a 896 horsepower, four-stroke, rich-burn, natural gas-fired Waukesha VHP Series, model L7042G reciprocating internal combustion compressor engine incorporated in Evaporator Distiller #1, the air contaminant emissions from which shall be controlled by an Altronic EPC-100 Air Fuel Ratio Controller and a Miratech model IQ-18-10-EC2 three-way catalytic converter (Control Device C101).

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Am I subject to this subpart?

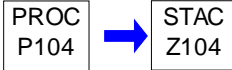
Source P101 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: WASTEWATER TREATMENT OPERATION

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emission of air contaminants from Source P104 shall not exceed the following limitations:

- (1) volatile organic compounds – 9.01 tons, in any 12 consecutive month period
- (2) volatile hazardous air pollutants – 4.95 tons, in any 12 consecutive month period
- (3) methanol – 4.51 tons, in any 12 consecutive month period

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined throughput of wastewater processed in Source P104, which contains less than 500 ppm methanol, by weight, shall not exceed 27,594,000 gallons, in any 12 consecutive month period. In addition, the wastewater shall not contain more than 200 ppm methanol, measured as a monthly volume weighted average. The methanol concentration limitation may also be monitored as a monthly methanol loading that shall not exceed 2.11 tons per month.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined throughput of wastewater processed in the methanol recovery section of Source P104, which contains more than 500 ppm methanol, by weight, shall not exceed 7,665,000 gallons, in any 12 consecutive month period. In addition, the wastewater shall not contain more than 20,000 ppm methanol, measured as a monthly volume weighted average. The methanol concentration limitation may also be monitored as a monthly methanol loading that shall not exceed 53.30 tons per month.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each incoming tanker load of wastewater shall be sampled and tested to determine the methanol content of the wastewater. Wastewater shall not be accepted by the facility without knowing the methanol content of the wastewater.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The amount of wastewater processed in Source P104 for each month for the previous twelve (12) consecutive month period which contains less than or equal to 500 ppm methanol, by weight.
- (2) The amount of wastewater processed in Source P104 for each month for the previous twelve (12) consecutive month period which contains more than 500 ppm methanol, by weight.
- (3) The test results of each incoming tanker load of wastewater used to determine the methanol content of the wastewater.
- (4) The calculations and modeling programs used to verify the volatile organic compound, volatile hazardous air pollutant and methanol emission limitations specified herein for Source P104 for each month for the previous twelve (12) consecutive month period.
- (5) The calculations and data used to verify the monthly methanol loading to the methanol recovery section of Source P104 for each month for the previous twelve (12) consecutive month period.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit annual reports to the Department of the following:

- (1) The amount of wastewater processed in Source P104 for each month for the previous twelve (12) month period which contains less than or equal to 500 ppm methanol, by weight.
- (2) The amount of wastewater processed in Source P104 each month for the previous twelve (12) month period which contains more than 500 ppm methanol, by weight.
- (3) The calculations and modeling programs used to verify the volatile organic compound, volatile hazardous air pollutant and methanol emission limitations specified herein for Source P104 for each month for the previous twelve (12) month period.
- (4) The calculations and data used to verify the monthly methanol loading to the methanol recovery section of Source P104 for each month for the previous twelve (12) month period.

The annual reports shall be submitted to the Department no later than March 1 for the previous calendar year.

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

All incoming loads of gas well wastewater, which contain more than 500 ppm methanol, by weight, shall be processed in the Methanol Recovery Section of Source P104.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The two primary settling clarifiers incorporated in Source P104, that are not associated with the Methanol Recovery Section of Source P104, shall be equipped with covers.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION D. Source Level Requirements**

The two (2) 7,500 gallon above grade steel primary settling mud clarifier/oil trap on legs situated above the raw water storage tanks, the 26,200 gallon above grade steel raw water holding tank, the three (3) 6,000 gallon FRP pH adjustment/chemical addition tanks, the two 8,000 gallon steel Lamella clarifiers, the 5,000 gallon final pretreated water equalization/pretreated water transfer tank, and the 26,200 gallon above grade steel methanol water holding tank incorporated in the Methanol Recovery Section of Source P104 shall be equipped with covers.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Tanker trucks shall be located inside the facility while being loaded with brine concentrate.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

All brine concentrate generated from the treatment of gas well water by Source P104 shall only be shipped off site in liquid form.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The storage and handling of clarifier sludge shall not at any time result in the emission of fugitive air contaminants.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

All trucks hauling roll-offs containing clarifier sludge shall have their loads securely tarped. A sign or signs stating the existence of this requirement shall be posted in a prominent location near the filter press.

014 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The 12,000 gallon recovered methanol storage tank incorporated in the methanol recovery section of Source P104 shall be equipped with pressure relief valves which are set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum.

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P104 is a wastewater treatment operation comprised of the following:

Methanol Recovery Section

- (1) One (1) 21,500 partially below grade concrete receiving water storage tanks
- (2) Two (2) 7,500 gallon above grade steel primary settling mud clarifiers/oil traps on legs situated above the raw water storage tanks
- (3) One (1) 26,200 gallon above grade steel raw water holding tank
- (4) Three (3) 6,000 gallon FRP pH adjustment/chemical addition tanks.
- (5) Two (2) 8,000 gallon steel Lamella clarifiers
- (6) One (1) 5,000 gallon final pretreated water equalization/pretreated water transfer tanks
- (7) One (1) 26,200 gallon above grade steel methanol feed water storage tank
- (8) One (1) methanol rectification column

**SECTION D. Source Level Requirements**

(9) One (1) 12,000 gallon recovered methanol storage tank

Section for wastewater which contains less than 500 ppm methanol

(10) Two (2) 21,500 partially below grade concrete receiving water storage tanks

(11) Two (2) 7,500 gallon above grade steel primary settling mud clarifiers/oil traps on legs situated above the raw water storage tanks

(12) Twenty-two (22) above grade steel raw water storage tanks - nineteen (19) 26,200 gallon tanks and three (3) 22,400 gallon tanks

(13) Three (3) 6,000 gallon FRP pH adjustment/chemical addition tanks.

(14) One (1) 200 gallon flocculation tank

(15) One (1) 47,000 gallon large, round clarifier

(16) One (1) 5,000 gallon final pretreated water equalization/pretreated water transfer tanks

Advanced Treatment Section

(17) Eight (8) 26,200 gallon above grade steel pretreated water storage tanks

(18) One (1) above grade approximate 12,140 gallon steel treated effluent/distillate transfer tank (exterior)

(19) One (1) above grade approximate 145,000 gallon steel treated effluent/distillate storage tank (exterior)

(20) One (1) above grade approximate 145,000 gallon steel concentrated brine storage tank (exterior)

(21) Four (4) 35,000 gallon above grade concentrated brine steel holding tanks

Sludge Processing/Dewatering Section

(22) One (1) 6,000 gallon sand filter tank

(23) Five (5) 5,000 gallon sludge thickening tanks

(24) One (1) plate & frame dewatering filter press

(25) One (1) dewatering rotary press

(26) One (1) shaker screen

(27) One (1) decanter-type dewatering centrifuge

Bulk Chemical Storage section

(28) Three (3) 5,000 gallon above grade plastic bulk chemical storage tanks (caustic, coagulant and acid)

(29) One (1) 5,000 gallon above grade sodium sulfate storage tank

Oil Separation/Recovery Section

(30) Two (2) 7,000 gallon oil wastewater receiving tanks

(31) One (1) 12,000 gallon heated oil wastewater tank

(31) One, (1) 8,000 recovered oil storage tank



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



***** End of Report *****
