



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: March 21, 2017

Effective Date: March 21, 2017

~~Expiration Date: March 20, 2022~~

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: 39-00024

Federal Tax Id - Plant Code: 34-1708689-1

Owner Information

Name: GEO SPECIALTY CHEM TRIMET DIV

Mailing Address: 2409 N CEDAR CREST BLVD
ALLENTOWN, PA 18104-9733

Plant Information

Plant: GEO SPECIALTY CHEM/TRIMET PROD GROUP

Location: 39 Lehigh County 39919 South Whitehall Township

SIC Code: 2869 Manufacturing - Industrial Organic Chemicals, Nec

Responsible Official

Name: TODD HOFFMAN

Title: PLANT MANAGER

Phone (610) 782 - 2614

Permit Contact Person

Name: MARIE C REINER

Title: ENVIRONMENTAL MANAGER

Phone: (610) 782 - 2621

[Signature] _____

MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER

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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
CU601	CLEAVER-BROOKS BOILER 1 W/ LOW-NOX BURNER	29.900	MMBTU/HR
CU602	CLEAVER-BROOKS BOILER 2 W/ LOW-NOX BURNER	29.900	MMBTU/HR
CU605	CLEAVER-BROOKS BOILER 5 W/ LOW-NOX BURNER	30.600	MMBTU/HR
101	DIESEL FIRED EMERGENCY ENGINES (4)		
201	TME PRIMARY REACTOR		
202	TME CAFORMATE SEPARATION PROCESSES		
203	N & S PURE TME CRYSTALLIZER TANKS & TANK C-12		
204	TME EAST / WEST BLEND TANK		
205	LIME SLURRY TANK		
206	LIME STORAGE SILO		
207	TME SWENSON EVAPORATOR CONDENSER		
208	TME BUFLOVAK EVAPORATOR CONDENSER		
209	#1 GRAINER DRYER		
210	#2 GRAINER DRYER		
211	#3 GRAINER DRYER		
212	#4 GRAINER DRYER		
213	PORCUPINE DRYER		
220	TME PACKAGING		
250	TME PROCESS TANKS		
301	DMPA PRIMARY AND SECONDARY REACTION PROCESS		
302	DMPA OXIDATION REACTORS (2)		
303	DMPA CRYSTALLIZATION		
304	DMPA DRYER		
305	DMPA SCREENING & PACKAGING		
401	CALCIUM FORMATE DRYER		
402	CALCIUM FORMATE SCREENING AND PACKAGING		
501	FORMALDEHYDE PLANT & AUXILIARY SOURCES		
502	METHANOL STORAGE & PIPING		
701	PROPRIONALDEHYDE STORAGE & PIPING		
G201	TME REACTOR SCRUBBER		
G202	TME CAFORMATE CENTRIFUGE & MAGMA TANKS SCRUBBER		
G203	TME CRYSTALLIZER / C-12 SCRUBBER		
G204	TME EAST / WEST BLEND TANKS SCRUBBER		
G205	LIME SLURRY TANK SCRUBBER		
G206	LIME SILO BAGHOUSE		
G207	TME SWENSON CONDENSER VACUUM PUMP		
G208	TME BUFLOVAK CONDENSER VACUUM PUMP		
G209	#1 GRAINER DRYER CONDENSER & VACUUM		

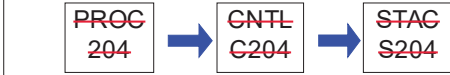
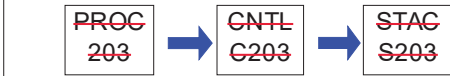
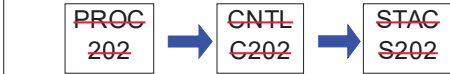
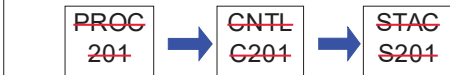
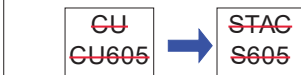
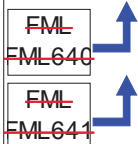
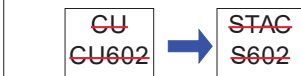
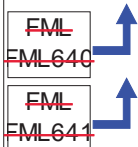
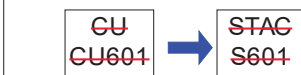
**SECTION A: Site Inventory List**

Source-ID	Source-Name	Capacity/Throughput	Fuel/Material
	PUMP		
C210	#2 GRAINER DRYER CONDENSER & VACUUM PUMP		
C211	#3 GRAINER DRYER CONDENSER & VACUUM PUMP		
C212	#4 GRAINER DRYER CONDENSER & VACUUM PUMP		
C213	PORCUPINE DRYER CONDENSER & VACUUM PUMP		
C301	DMPA MONROE SCRUBBER		
C302	DMPA OXIDATION SCRUBBER		
C303	DMPA COMPOSITE SCRUBBER		
C304	DMPA DRYER CYCLONE		
C304A	DMPA DRYER DUST COLLECTOR		
C305	DMPA SCREENING & PACKAGING SCRUBBER		
C401	CALCIUM FORMATE DRYER BAGHOUSE		
C402	CAFORMATE SCREENING/PACKAGING DUST COLLECTOR		
C501	FORMALDEHYDE PLANT CATALYTIC OXIDIZER		
C502	METHANOL VAPOR RECOVERY SYSTEM		
G701	PROPIONALDEHYDE VAPOR RECOVERY SYSTEM		
FML541	NATURAL GAS UTILITY METER FOR INCINERATOR		
FML640	#2 FUEL OIL STORAGE		
FML641	NATURAL GAS UTILITY METER FOR BOILERS		
S201	TME REACTOR SCRUBBER STACK		
S202	TME CAFORMATE CENTRIFUGE SCRUBBER STACK		
S203	TME CRYSTALLIZER / C-12 SCRUBBER STACK		
S204	TME E & W BLEND TANK SCRUBBER STACK		
S205	LIME SLURRY SCRUBBER STACK		
S206	LIME SILO BAGHOUSE STACK		
S207	TME SWENSON VACUUM PUMP STACK		
S208	TME BUFLOVAK VACUUM PUMP STACK		
S209	TME DRYER STACK		
S220	TME PACKAGING STACK		
S302	DMPA OXIDATION STACK		
S303	DMPA COMPOSITE SCRUBBER STACK		
S304	DMPA DRYER CYCLONE AND DUST COLLECTOR STACK		
S305	DMPA SCREENING AND PACKAGING STACK		
S401	CALCIUM FORMATE DRYER BAGHOUSE STACK		
S402	CAFORMATE SCREEN / PACK DUST COLLECTOR STACK		
S501	FORMALDEHYDE INCINERATOR STACK		
S601	BOILER #1 STACK		
S602	BOILER #2 STACK		

SECTION A: Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S605	BOILER #5 STACK		
Z101	EMERGENCY ENGINES FUGITIVE EMISSIONS		
Z250	TME PROCESS TANKS FUGITIVE EMISSION POINTS		
Z550	METHANOL FUGITIVE EMISSIONS POINTS		
Z750	PROPIONALDEHYDE FUGITIVE EMISSION POINTS		

PERMIT MAPS



PERMIT MAPS

PROC
205 → CNTL
G205 → STAG
S205

PROC
206 → CNTL
G206 → STAG
S206

PROC
207 → CNTL
G207 → STAG
S207

PROC
208 → CNTL
G208 → STAG
S208

PROC
209 → CNTL
G209 → STAG
S209

PROC
210 → CNTL
G210 → STAG
S209

PROC
211 → CNTL
G211 → STAG
S209

PROC
212 → CNTL
G212 → STAG
S209

PROC
213 → CNTL
G213 → STAG
S209

PROC
220 → STAG
S220

PROC
250 → STAG
Z250

PROC
301 → CNTL
G301 → CNTL
G303 → STAG
S303

PROC
302 → CNTL
G302 → STAG
S302

PROC
303 → CNTL
G303 → STAG
S303

PROC
304 → CNTL
G304 → CNTL
G304A → STAG
S304

PERMIT MAPS

PROC
305 → CNTL
C305 → STAG
S305

PROC
401 → CNTL
C401 → STAG
S401

PROC
402 → CNTL
C402 → STAG
S402

PROC
501 → CNTL
C501 → STAG
S501

PROC
502 → CNTL
C502 → STAG
Z550

PROC
701 → CNTL
C701 → STAG
Z750

CNTL
C501 → STAG
S501

FML
FML541 →

**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)&(c)]~~**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 and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).~~

~~(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.~~

~~(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.~~

~~(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 fees according to the following schedule specified in 25 Pa. Code § 127.703(b):~~

~~(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.~~

~~(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.~~

~~This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,~~

SECTION B. General State Only Requirements

~~modification, revision, renewal, and re-issuance of each operating permit or part thereof.~~

~~(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).~~

~~(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.~~

~~(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.~~

~~(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.~~

~~(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund".~~

#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~~

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (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]**Operating Permit Modifications**

- (a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

SECTION B. General State Only Requirements

~~significant operating permit modifications, under this permit, as outlined below:~~

~~(b) Administrative Amendments. The permittee shall make 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 make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.~~

~~(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.~~

#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 NOx from a single source during the term of the permit and 5 tons of NOx 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 cSt, 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 C. Site Level Requirements**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant 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) Sources and classes of sources other than those identified in paragraphs (1) (6), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) the emissions are of minor significance with respect to causing air pollution; and
 - (ii) 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**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]**Limitations**

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

004 [25 Pa. Code §123.41]**Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants 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.

005 [25 Pa. Code §123.42]**Exceptions**

The limitations of Site Level Condition #004 shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the

SECTION C. ~~Site Level Requirements~~

~~opacity of visible emissions.~~

~~(3) When the emission results from sources specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions).~~

~~#006 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~The facility site level emission limit for Volatile Organic Compounds (VOCs) shall be less than 50 tons per year based on a 12 month rolling sum.~~

~~#007 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~The facility site level emission limit for Hazardous Air Pollutants (HAPs) shall be:~~

- ~~a) less than 10 tpy on a 12 month rolling sum for individual pollutants;~~
- ~~b) less than 25 tpy on a 12 month rolling sum for combined pollutants.~~

II. ~~TESTING REQUIREMENTS.~~

~~#008 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~a) If at any time the Department has cause to believe that air contaminant emissions from the source(s) at the facility may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct to whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the provisions of the most current publication of the DEP Source Testing Manual and Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The testing shall be performed in accordance with any restriction or limitation established by the Department, within the time frame specified by the Department.~~

~~b) The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.~~

~~c) The company shall, within 1 hour of discovery, notify the Department of any malfunction of, or damage to, these air cleaning devices which result in, or may possibly result in, the emissions of air pollution in excess of the limitations specified in the Operating Permit or any applicable Department Rule or Regulation.~~

III. ~~MONITORING REQUIREMENTS.~~

~~#009 [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.~~

~~#010 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~Visible emissions may be measured according to the methods specified in Section C, Condition #009, or alternatively, plant personnel who observe any visible emissions will report the incident of visible emissions to the Department within four hours of each incident and make arrangements for a certified observer to verify the opacity of the visible emissions.~~

SECTION C. Site Level Requirements

~~# 011 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~A visual inspection of the facility shall be performed on a daily basis to determine if visible, fugitive, or malodor emissions are detectable outside the facility.~~

IV. ~~RECORDKEEPING REQUIREMENTS.~~

~~# 012 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~The facility shall maintain monthly records to demonstrate compliance with Site Level Requirement #006 and #007 for HAPs and VOCs. These records shall be kept for a five (5) year period and be made available to the Department upon request.~~

~~# 013 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~All instances of exceedances of visible or fugitive emission limitations, Site Level Condition #001, #002, and #004, shall be recorded in a daily log book. Such records shall be maintained in accordance with General Condition #020, Section B, and shall be made available to the Department upon written or verbal request in a reasonable time.~~

~~# 014 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~The facility is subject to the following record keeping requirements: (1) the permittee shall keep a logbook of daily facility inspections for fugitive visible emissions, visible emissions and malodor emissions.~~

~~# 015 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

The permittee shall maintain files (hard copy or electronic versions) containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit. The file shall include, but not be limited to all air pollution control systems performance evaluations, records of calibration checks, adjustments to sources and control devices, and maintenance performed on all equipment, which is subject to this operating permit. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years following the date on which such measurements, records or data are recorded.

~~# 016 [25 Pa. Code §135.5]~~

~~Recordkeeping~~

~~Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with § 135.3 (relating to reporting). 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.~~

V. ~~REPORTING REQUIREMENTS.~~

~~# 017 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~The company, within 1 hour of discovery, shall notify the Department, at 610-861-2070, of any malfunction, recordkeeping and reporting errors, or other possible non-compliance issues, which result in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five working days following the incident describing the malfunction, recordkeeping and reporting error or other non-compliance issue and the corrective actions being taken. The Department may take enforcement action for any violations of the applicable standards.~~

~~# 018 [25 Pa. Code §135.3]~~

~~Reporting~~

~~(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the~~

SECTION C. ~~Site Level Requirements~~

~~proceeding calendar year and sources modified during the same period which were not previously reported.~~

~~(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source 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.~~

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

~~# 019 [25 Pa. Code §135.4]~~

~~Report format~~

~~Source reports shall contain sufficient information to enable the Department to complete its emission inventory. Source reports shall be made by the source owner or operator in a format specified by the Department.~~

VI. ~~WORK PRACTICE REQUIREMENTS.~~

~~# 020 [25 Pa. Code §123.1]~~

~~Prohibition of certain fugitive emissions~~

~~The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. 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.~~

~~# 021 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~The permittee shall prevent fugitive particulate matter by the application of water on the roadways and sweeping of roads.~~

~~# 022 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

~~Equipment shall be maintained and operated in accordance with the accepted industry practices to optimize efficiency and to comply with Site Level Condition #004.~~

VII. ~~ADDITIONAL REQUIREMENTS.~~

~~# 023 [25 Pa. Code §121.7]~~

~~Prohibition of air pollution.~~

~~No person may permit air pollution as that term is defined in the act.~~

~~# 024 [25 Pa. Code §129.14]~~

~~Open burning operations~~

~~(a) Air basins. No person may permit the open burning of material in an air basin.~~

~~(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:~~

~~(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.~~

~~(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.~~

SECTION C. ~~Site Level Requirements~~

~~(3) The emissions interfere with the reasonable enjoyment of life or property.~~

~~(4) The emissions cause damage to vegetation or property.~~

~~(5) The emissions are or may be deleterious to human or animal health.~~

~~(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:~~

~~(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.~~

~~(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.~~

~~(3) A fire set for the prevention and control of disease or pests, when approved by the Department.~~

~~(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.~~

~~(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.~~

~~(6) A fire set solely for recreational or ceremonial purposes.~~

~~(7) A fire set solely for cooking food.~~

~~(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:~~

~~(1) As used in this subsection the following terms shall have the following meanings:~~

~~Air curtain destructor — A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.~~

~~Clearing and grubbing wastes — Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.~~

~~(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:~~

~~(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.~~

~~(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).~~

~~(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.~~

~~(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.~~

~~(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:~~

~~(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.~~

**SECTION C. Site Level Requirements**

~~(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.~~

~~(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.~~

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.~~

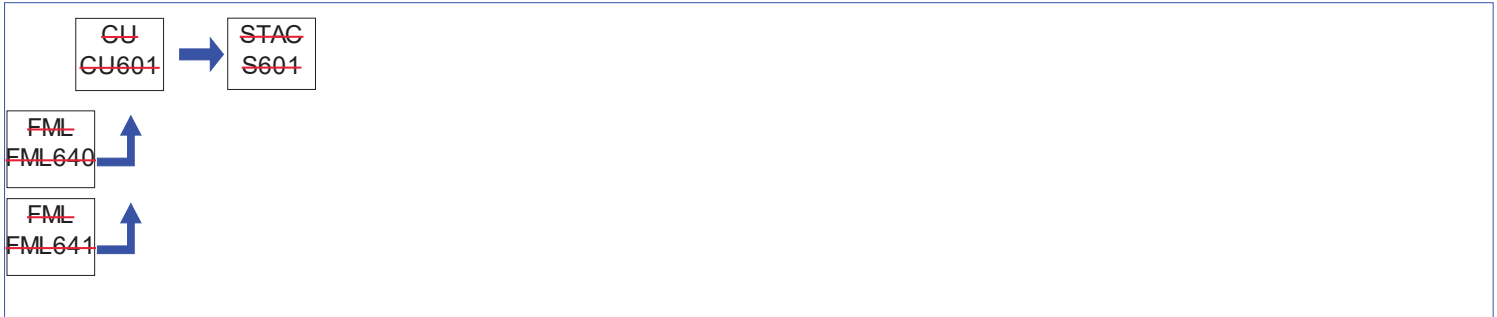
SECTION D. Source Level Requirements

Source ID: CU601

Source Name: CLEAVER BROOKS BOILER 1 W/ LOW NOX BURNER

Source Capacity/Throughput: 29.900 MMBTU/HR

Conditions for this source occur in the following groups: 02



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

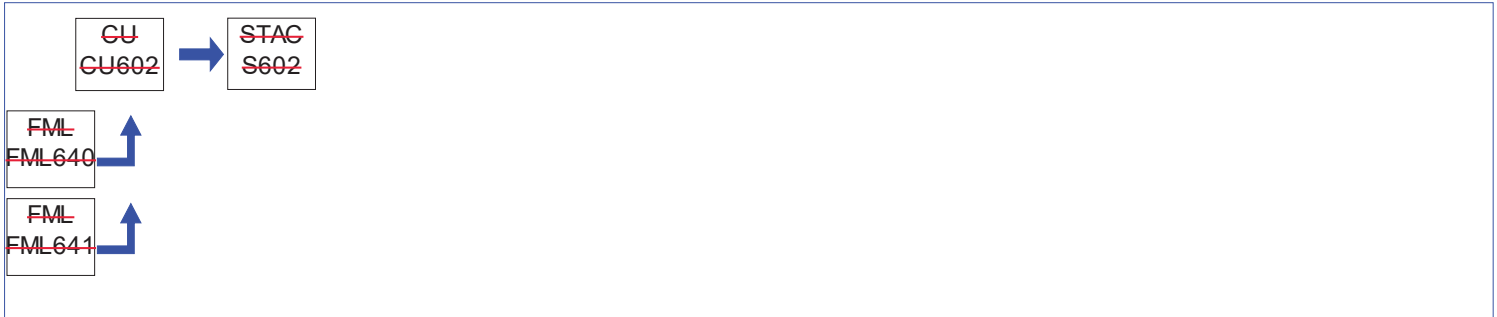
SECTION D. Source Level Requirements

Source ID: CU602

Source Name: CLEAVER BROOKS BOILER 2 W/ LOW NOX BURNER

Source Capacity/Throughput: 29.900 MMBTU/HR

Conditions for this source occur in the following groups: 02



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

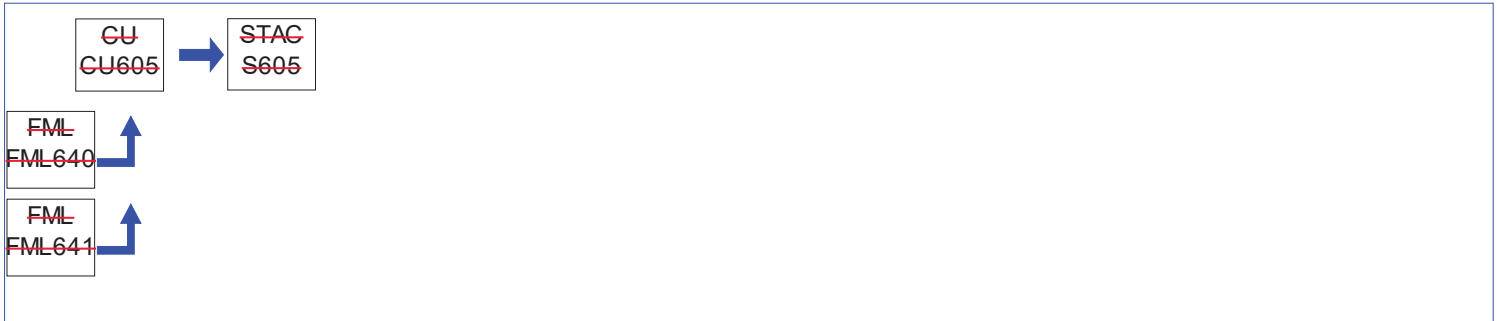
SECTION D. Source Level Requirements

Source ID: CU605

Source Name: CLEAVER BROOKS BOILER 5 W/ LOW NOX BURNER

Source Capacity/Throughput: 30.600 MMBTU/HR

Conditions for this source occur in the following groups: 01
02



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 101

Source Name: DIESEL FIRED EMERGENCY ENGINES (4)

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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).

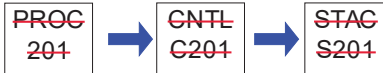
VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

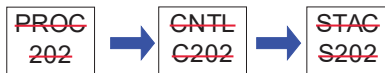
Source ID 101 consists of four CI emergency engines:

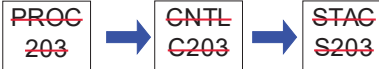
- (1) 1120 HP Detroit Model #81634705 engine, installed 1993, Wastewater Treatment Plant
- (2) 449 HP Caterpillar Model #3406 engine, installed 2002, Boiler House
- (3) 274 HP Caterpillar Model #3306 engine, installed 2009, Wells
- (4) 265 HP Clarke Model #JDFP-06WA engine, installed 2000, reconstructed 2011, Fire Pump

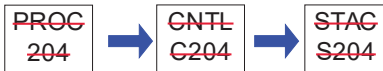
002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

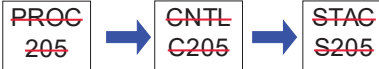
Source ID 101 engines shall comply with all applicable requirements of 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ.

**SECTION D. Source Level Requirements**~~Source ID: 201~~~~Source Name: TME PRIMARY REACTOR~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 202~~~~Source Name: TME CAFORMATE SEPARATION PROCESSES~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION D. Source Level Requirements**~~Source ID: 203~~~~Source Name: N & S PURE TME CRYSTALLIZER TANKS & TANK C 12~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 204~~~~Source Name: TME EAST / WEST BLEND TANK~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 205~~~~Source Name: LIME SLURRY TANK~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~II. TESTING REQUIREMENTS.~~

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~III. MONITORING REQUIREMENTS.~~

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~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) and/or Section E (Source Group Restrictions).~~

~~V. REPORTING REQUIREMENTS.~~

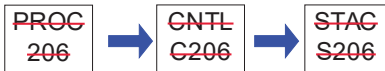
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

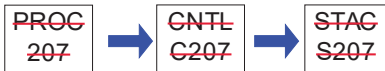
~~VI. WORK PRACTICE REQUIREMENTS.~~

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~VII. ADDITIONAL REQUIREMENTS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 206~~~~Source Name: LIME STORAGE SILO~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 207~~~~Source Name: TME SWENSON EVAPORATOR CONDENSER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

II. TESTING REQUIREMENTS.

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

III. MONITORING REQUIREMENTS.

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

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) and/or Section E (Source Group Restrictions).~~

V. REPORTING REQUIREMENTS.

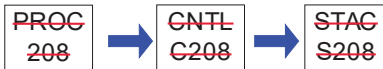
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

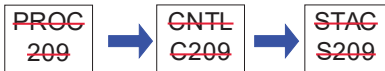
VI. WORK PRACTICE REQUIREMENTS.

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

VII. ADDITIONAL REQUIREMENTS.

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 208~~~~Source Name: TME BUFLOVAK EVAPORATOR CONDENSER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 209~~~~Source Name: #1 GRAINER DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~II. TESTING REQUIREMENTS.~~

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~III. MONITORING REQUIREMENTS.~~

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~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) and/or Section E (Source Group Restrictions).~~

~~V. REPORTING REQUIREMENTS.~~

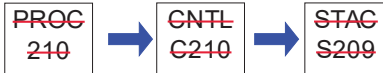
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

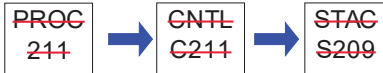
~~VI. WORK PRACTICE REQUIREMENTS.~~

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~VII. ADDITIONAL REQUIREMENTS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION D. Source Level Requirements**~~Source ID: 210~~~~Source Name: #2 GRAINER DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 211~~~~Source Name: #3 GRAINER DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

II. TESTING REQUIREMENTS.

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

III. MONITORING REQUIREMENTS.

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

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) and/or Section E (Source Group Restrictions).~~

V. REPORTING REQUIREMENTS.

~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

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) and/or Section E (Source Group Restrictions).~~

VII. ADDITIONAL REQUIREMENTS.

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 212~~~~Source Name: #1 GRAINER DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~

PROC
212



CNTL
C212



STAG
S209

~~I. RESTRICTIONS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~II. TESTING REQUIREMENTS.~~

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~III. MONITORING REQUIREMENTS.~~

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~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) and/or Section E (Source Group Restrictions).~~

~~V. REPORTING REQUIREMENTS.~~

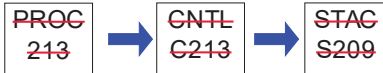
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

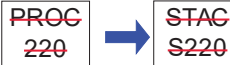
~~VI. WORK PRACTICE REQUIREMENTS.~~

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~VII. ADDITIONAL REQUIREMENTS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 213~~~~Source Name: PORCUPINE DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 220~~~~Source Name: TME PACKAGING~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 250~~~~Source Name: TME PROCESS TANKS~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~

PROC
250



STAG
Z250

~~I. RESTRICTIONS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~II. TESTING REQUIREMENTS.~~

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~III. MONITORING REQUIREMENTS.~~

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~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) and/or Section E (Source Group Restrictions).~~

~~V. REPORTING REQUIREMENTS.~~

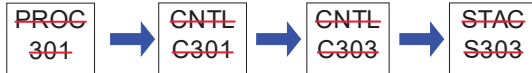
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

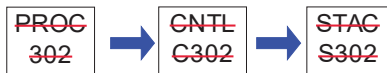
~~VI. WORK PRACTICE REQUIREMENTS.~~

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~VII. ADDITIONAL REQUIREMENTS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION D. Source Level Requirements**~~Source ID: 301~~~~Source Name: DMPA PRIMARY AND SECONDARY REACTION PROCESS~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 302~~~~Source Name: DMPA OXIDATION REACTORS (2)~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

II. TESTING REQUIREMENTS.

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

III. MONITORING REQUIREMENTS.

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

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) and/or Section E (Source Group Restrictions).~~

V. REPORTING REQUIREMENTS.

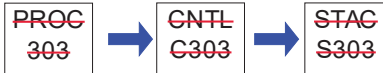
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

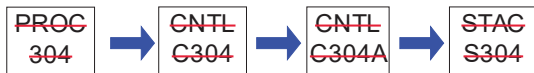
VI. WORK PRACTICE REQUIREMENTS.

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

VII. ADDITIONAL REQUIREMENTS.

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION D. Source Level Requirements**~~Source ID: 303~~~~Source Name: DMPA CRYSTALLIZATION~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 304~~~~Source Name: DMPA DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

II. TESTING REQUIREMENTS.

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

III. MONITORING REQUIREMENTS.

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

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) and/or Section E (Source Group Restrictions).~~

V. REPORTING REQUIREMENTS.

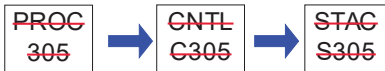
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

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) and/or Section E (Source Group Restrictions).~~

VII. ADDITIONAL REQUIREMENTS.

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 305~~~~Source Name: DMPA SCREENING & PACKAGING~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~II. TESTING REQUIREMENTS.~~

~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~III. MONITORING REQUIREMENTS.~~

~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~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) and/or Section E (Source Group Restrictions).~~

~~V. REPORTING REQUIREMENTS.~~

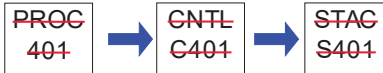
~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

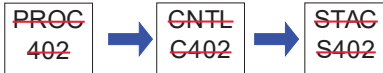
~~VI. WORK PRACTICE REQUIREMENTS.~~

~~No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

~~VII. ADDITIONAL REQUIREMENTS.~~

~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements~~Source ID: 401~~~~Source Name: CALCIUM FORMATE DRYER~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION D. Source Level Requirements**~~Source ID: 402~~~~Source Name: CALCIUM FORMATE SCREENING AND PACKAGING~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

SECTION D. Source Level Requirements

Source ID: 501

Source Name: FORMALDEHYDE PLANT & AUXILIARY SOURCES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03

04

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

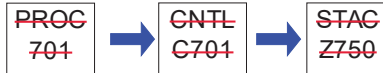
VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements~~Source ID: 502~~~~Source Name: METHANOL STORAGE & PIPING~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**~~I. RESTRICTIONS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~II. TESTING REQUIREMENTS.~~**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~III. MONITORING REQUIREMENTS.~~**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~V. REPORTING REQUIREMENTS.~~**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**~~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) and/or Section E (Source Group Restrictions).~~**~~VII. ADDITIONAL REQUIREMENTS.~~**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION D. Source Level Requirements**~~Source ID: 701~~~~Source Name: PROPRIONALDEHYDE STORAGE & PIPING~~~~Source Capacity/Throughput:~~~~Conditions for this source occur in the following groups: 03~~**I. RESTRICTIONS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**II. TESTING REQUIREMENTS.**~~No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**III. MONITORING REQUIREMENTS.**~~No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**V. REPORTING REQUIREMENTS.**~~No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~**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) and/or Section E (Source Group Restrictions).~~**VII. ADDITIONAL REQUIREMENTS.**~~No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).~~

**SECTION E. Source Group Restrictions.**

Group Name: 01

Group Description: RACT

Sources included in this group:

ID	Name
CU605	CLEAVER BROOKS BOILER 5 W/ LOW NOX BURNER

I. RESTRICTIONS.

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

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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, Section 129.95.]

The permittee shall record each adjustment conducted under the procedures in Section 129.93(b)(2) in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- (1) The date of the last adjustment and/or tune up on combustion process.
- (2) The name of the service company and technicians.
- (3) The final operation rate or load.
- (4) The final carbon monoxide (CO) and nitrogen oxides (NOx) emission rate.
- (5) The final excess oxygen rate.
- (6) The other information required by the applicable requirement, such as fuel certification for distillate oil #2, for residual oils, minimum recordkeeping includes a certification from fuel supplier of nitrogen, sulfur, and ash content of the fuel, and identification of the sampling method and sample protocol.

Measurements, records, and other data shall be maintained in accordance with General State Only Requirement Condition #020, Section B.

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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, Section 129.93.]

NOx emission for these sources shall be regulated under the presumptive RACT emission limitations as described under 25 Pa. Code, Section 129.93(b)(2). An annual adjustment or tune up of the sources in accordance with the "Combustion Efficiency Optimization Manual for Operators of Oil and gas-fired boilers" (EPA 340/1-83-023) or The Department approved equivalent procedures. These adjustments shall consist of, at a minimum, the following:

~~SECTION E. Source Group Restrictions.~~

- ~~(1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.~~
- ~~(2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emission of NO_x, and to the extent practicable minimize emissions of CO.~~
- ~~(3) Inspection of the air to fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.~~

~~VII. ADDITIONAL REQUIREMENTS.~~

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

**SECTION E. Source Group Restrictions.**

Group Name: 02

Group Description: Combustion Units

Sources included in this group:

ID	Name
CU601	CLEAVER BROOKS BOILER 1 W/ LOW NOX BURNER
CU602	CLEAVER BROOKS BOILER 2 W/ LOW NOX BURNER
CU605	CLEAVER BROOKS BOILER 5 W/ LOW NOX BURNER

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter, expressed as PM, from a source in excess of the rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

002 [25 Pa. Code §123.22]**Combustion units**

(c) Allentown, Bethlehem, Easton, Reading, Upper Beaver Valley, and Johnstown air basins. Combustion units in these subject air basins must conform with the following:

(1) General provision. A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 3 pounds per million Btu of heat input over a 1-hour period.

(2) Commercial fuel oil.

(i) Except as specified in subparagraphs (ii) and (iii), a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in the subject air basins if the commercial fuel oil contains sulfur in excess of the applicable maximum allowable sulfur content set forth as follows:

Maximum Allowable Sulfur Content Beginning July 1, 2016,
Expressed as Parts per Million (ppm) by Weight or Percentage by Weight
(Consistent with ASTM D396)

No. 2 and lighter oil 500 ppm (0.05%)

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Source ID CU601 and CU602 shall not exceed the following nitrogen oxides (NO_x) and carbon monoxide (CO) emission limits:

i. 30 ppm dv NO_x at 3% O₂ when firing gas;

ii. 90 ppm dv NO_x at 3% O₂ when firing No. 2 fuel oil; and

iii. 300 ppm dv CO at 3% O₂.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) These sources shall combust only natural gas or #2 fuel oil.

(b) To be exempt from 40 CFR 63 Subpart JJJJJ, the boilers shall only be fired on fuel oil during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on liquid fuel. Periodic testing, maintenance, or operator training on liquid fuel shall not exceed a combined total of 48 hours, per boiler, during any

**SECTION E. ~~Source Group Restrictions.~~**

~~calendar year. If the 48-hour limit is exceeded for any of the boilers, all boilers shall immediately be subject to the provisions of Subpart JJJJJ.~~

II. ~~TESTING REQUIREMENTS.~~**# 005 [25 Pa. Code §127.441]****~~Operating permit terms and conditions.~~**

~~If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.~~

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

~~1. The company shall comply with the recordkeeping and certification requirements in accordance with 40 CFR §§60.46c(e), 60.42c(h) and 60.48c(f)(1). Reports shall be submitted on a quarterly basis unless no excess emissions occurred. If there are no excess emissions, the company shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.~~

~~2. The company shall maintain daily records indicating the fuel type, average hourly firing rate, and total quantity used in accordance with 40 CFR §60.48c(g). Records shall be kept for the fuel firing rates of the combustion units on a monthly basis in order to determine sulfur dioxide (SO₂) emissions in accordance with 40 CFR §60.48c(d).~~

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

~~1) The permittee shall keep records of emission calculations used to verify compliance with the emission limitation of Condition #001.~~

~~2) The permittee shall keep records of fuel supplier certifications to verify compliance with the emissions limitation of Condition #002.~~

~~3) These records shall be kept for the five (5) year permit term and be made available to the Department upon request.~~

V. ~~REPORTING REQUIREMENTS.~~**# 008 [25 Pa. Code §127.441]****~~Operating permit terms and conditions.~~**

~~1. Any changes in the location of the aforementioned source, or any changes in the process or control equipment would be considered a modification and would require the submittal of an amended application for plan approval in accordance with the provisions of 25 Pa. Code 127.11 and 127.12.~~

~~2. These sources are subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR §60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:~~

~~Director~~

SECTION E. ~~Source Group Restrictions.~~

~~Air Protection Division
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103~~

~~3. Any notification as a result of any condition herein should be directed to:~~

~~Mark J. Wejkszner
Air Quality Program Manager
Department of Environmental Protection
2 Public Square
Wilkes Barre, PA 18711-0790~~

VI. ~~WORK PRACTICE REQUIREMENTS.~~

~~# 009 [25 Pa. Code §127.441]~~

~~Operating permit terms and conditions.~~

- ~~1. The aforementioned source(s) may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.~~
- ~~2. The company shall perform an annual adjustment and/or tune-up on the combustion process as per manufacturer specifications.~~
- ~~3. The company shall maintain and operate the boilers in accordance with the manufacturer specifications and with good engineering practice.~~

VII. ~~ADDITIONAL REQUIREMENTS.~~

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

SECTION E. Source Group Restrictions.

Group Name: 03

Group Description: Processes

Sources included in this group

ID	Name
201	TME PRIMARY REACTOR
202	TME CAFORMATE SEPARATION PROCESSES
203	N & S PURE TME CRYSTALLIZER TANKS & TANK C 12
204	TME EAST / WEST BLEND TANK
205	LIME SLURRY TANK
206	LIME STORAGE SILO
207	TME SWENSON EVAPORATOR CONDENSER
208	TME BUFLOVAK EVAPORATOR CONDENSER
209	#1 GRAINER DRYER
210	#2 GRAINER DRYER
211	#3 GRAINER DRYER
212	#4 GRAINER DRYER
213	PORCUPINE DRYER
220	TME PACKAGING
250	TME PROCESS TANKS
301	DMPA PRIMARY AND SECONDARY REACTION PROCESS
302	DMPA OXIDATION REACTORS (2)
303	DMPA CRYSTALLIZATION
304	DMPA DRYER
305	DMPA SCREENING & PACKAGING
401	CALCIUM FORMATE DRYER
402	CALCIUM FORMATE SCREENING AND PACKAGING
501	FORMALDEHYDE PLANT & AUXILIARY SOURCES
502	METHANOL STORAGE & PIPING
701	PROPRIONALDEHYDE STORAGE & PIPING

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

(c)(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants 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.

SECTION E. Source Group Restrictions.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

1. Pursuant to the Best Available Technology provision of 25 Pa. Code, Chapter 127, the process baghouse(s) are subject to the following air contaminant emission limitations:

a. Total Particulate (including PM10) — 0.02 grains per ds cf from the processes.

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.**

The permittee shall ensure that the Composite scrubber is equipped with instrumentation to continuously monitor the pressure drop across the scrubber and the water flow rate to the scrubber.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The Monroe scrubber shall be equipped with a low water flow alarm and a high water level alarm.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

1. Mechanical gauges shall be installed and maintained to indicate, in inches of water column, the static pressure differential across the baghouse(s).

2. The company shall ensure that the control devices shall be equipped with the applicable monitoring equipment and the monitoring equipment shall be installed, calibrated, operated, and maintained according to the vendor's specifications at all times the control device is in use.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

1. The permittee shall record the pressure drop across the baghouse(s). At a minimum these recordings shall be taken once per week, while the source and baghouse(s) are in operation. The recordings shall be maintained in a logbook and made available to the Department upon request.

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

1. The storage and handling of the material collected in the air cleaning device(s) associated with the aforementioned source(s) shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in Section 123.1 of Chapter 123 of the Rules and Regulations of the Department of Environmental Protection.

2. Dust collected in the baghouse filters shall be discharged into closed containers only.

3. The aforementioned source(s) may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth in this operating permit.

4. The permittee shall keep on hand a sufficient quantity of spare baghouse bags/filters for the baghouse(s) associated

SECTION E. ~~Source Group Restrictions.~~

~~with the aforementioned source(s) in order to be able to immediately replace any bags/filters requiring replacement due to deterioration resulting from routine operation of the source(s) and baghouse(s).~~

~~5. The company shall maintain and operate the air pollution control equipment and sources in accordance with good engineering practice.~~

VII. ~~ADDITIONAL REQUIREMENTS.~~

~~# 009 [25 Pa. Code §127.441]~~

~~**Operating permit terms and conditions.**~~

~~The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.~~

~~# 010 [25 Pa. Code §127.441]~~

~~**Operating permit terms and conditions.**~~

~~1. Any changes in the location of the aforementioned source, or any changes in the process or control equipment would be considered a modification and would require the submittal of an amended application for plan approval in accordance with the provisions of 25 Pa. Code 127.11 and 127.12.~~

~~2. Any notification as a result of any condition herein should be directed to:~~

~~Mark J. Wejkszner
Air Quality Program Manager
Department of Environmental Protection
2 Public Square
Wilkes-Barre, PA 18711-0790~~

**SECTION E. Source Group Restrictions.**

Group Name: 04

Group Description: Formaldehyde Plant

Sources included in this group

ID	Name
501	FORMALDEHYDE PLANT & AUXILIARY SOURCES

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

A minimum operating temperature of 575 degrees F shall be maintained at the catalyst inlet as the compliance temperature in accordance with Condition #015 of Section E, Source Group 04 restrictions in Plan Approval Permit #39-399-059.

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

The VOC destruction efficiency (DE) of the catalytic incinerator shall be at least 95%.

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

Upon request of the Department, the permittee shall perform VOC performance stack tests on the catalytic incinerator before the catalyst bed is to be replaced with new or refreshed catalysts and prior to the end of the 730-day operating cycle of the catalyst bed:

~~1. Testing shall be performed to determine the incinerator outlet emissions of methanol by using EPA Method 308, formaldehyde by using EPA Method 316 and carbon monoxide by using EPA Method 10.~~

2. VOC destruction tests shall be performed on the catalytic incinerator by using EPA Method 25 to demonstrate compliance with the VOC DE of at least 95%.

After the requested stack tests have been performed prior to the end of the next 730-day operating cycle of the catalyst bed, the Department will make a decision if further stack testing will be required for the next catalyst bed.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

~~All performance tests shall be conducted in accordance with the Department's source testing procedures described in the latest Source Testing Manual referenced in 25 Pa. Code Section 139.4(5).~~

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

~~At least 60 days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.~~

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

~~At least two weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.~~

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

~~Within 60 days after the completion of the tests, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager for approval.~~

SECTION E. Source Group Restrictions.**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall install temperature sensing and recording devices to continuously monitor and record the inlet and outlet temperatures of the catalyst bed.

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

The permittee shall obtain a core sample of each used catalyst bed, after every cycle of 730 operating days to determine, by outside lab analysis, the VOC destruction effectiveness.

IV. RECORDKEEPING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain the temperature records of the catalytic incinerator for a period of five (5) years. These records shall demonstrate compliance with Group Level Condition #002.

~~V. REPORTING REQUIREMENTS.~~**~~# 011 [25 Pa. Code §127.441]~~****~~Operating permit terms and conditions.~~**

~~Any notification as a result of any condition therein should be directed to:~~

~~Air Quality Program Manager
Department of Environmental Protection
2 Public Square
Wilkes-Barre, PA 18711-0790~~

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall replace the catalyst bed with new or refreshed catalyst on intervals not to exceed 730 days of operating use.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The inlet temperature to the catalytic incinerator shall be maintained at a temperature of not less than 575 degrees F, or at least the temperature at which compliance with the VOC DE of at least 95% was demonstrated during the compliance testing. The inlet temperature to the catalytic incinerator shall not fluctuate more than 25 degrees F below the demonstrated compliance temperature during production activities. Demonstration of compliance with the compliance temperature shall be based on 3-hour rolling averaged values of the catalyst inlet temperatures taken on 1-minute intervals or less.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The operation of the formaldehyde plant may commence and continue, but only if the catalyst inlet temperature remains at, or is greater than, the compliance temperature determined by the most recent stack test to achieve a VOC DE of at least 95%.

~~# 015 [25 Pa. Code §127.441]~~**~~Operating permit terms and conditions.~~**

~~The permittee shall maintain and operate the formaldehyde plant sources and the associated catalytic incinerator in accordance with good engineering practice.~~

~~VII. ADDITIONAL REQUIREMENTS.~~

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



~~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.**

a) ~~The operating permit application for the facility was received by the Department on 06/28/2016. The annual operating permit administrative fee per 25 Pa. Code, Chapter 127, Section 127.703(c)(3) for this Natural Minor permit shall be \$375.00. The fee is due 30 days prior to the anniversary date of the issuance of the permit.~~

b) ~~The facility operated under SM 39-00024 before issuance of this renewal operating permit.~~

c) ~~This is a State Only Operating Permit facility.~~

d) ~~Requests for Determination (RFD's) include:~~

~~39-0636 issued on 4/22/09~~

~~39-0637 issued on 5/4/09~~

~~39-0760 issued on 5/14/13~~

~~39-0763 issued on 5/28/13~~

~~39-0770 issued on 6/20/13~~

~~39-0771 issued on 6/20/13~~

~~39-0772 issued on 6/20/13~~

~~39-0773 issued on 6/20/13~~

~~39-0861 issued on 7/22/16~~



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