# DELAWARE CNTY REG WA/DELCORA WESTERN REG TRMT PLT



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AIR QUALITY PROGRAM

# TITLE V/STATE OPERATING PERMIT

Issue Date: June 4, 2025 Effective Date:
Revision Date: Expiration Date:

Revision Type: Modification, Significant

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 applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

### TITLE V Permit No: 23-00038

Federal Tax Id - Plant Code: 23-7182698-1

Owner Information Name: DELCORA Mailing Address: PO BOX 999 100 E 5TH ST CHESTER, PA 19016-0999 Plant Information Plant: DELAWARE CNTY REG WA/DELCORA WESTERN REG TRMT PLT Location: 23 **Delaware County** 23001 Chester City SIC Code: 4952 Trans. & Utilities - Sewerage Systems Responsible Official Name: MICHAEL J DISANTIS Title: DIR OPR MAINT Phone: (610) 876 - 5523 Ext.264 Email: disantism@delcora.org **Permit Contact Person** Name: IRENE FITZGERALD Title: ENV PROGRAMS MANAGER Phone: (610) 876 - 5523 Ext.213 Email: fitzgeraldi@delcora.org [Signature] JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAMMANAGER



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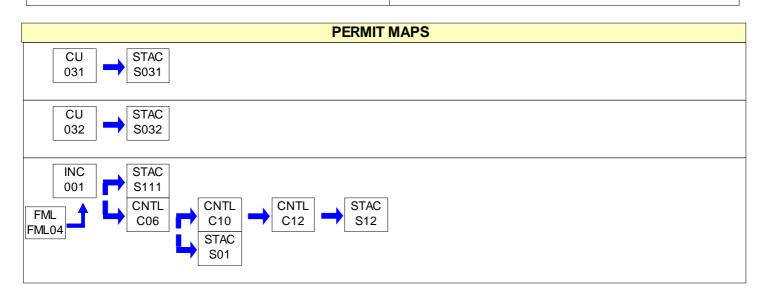
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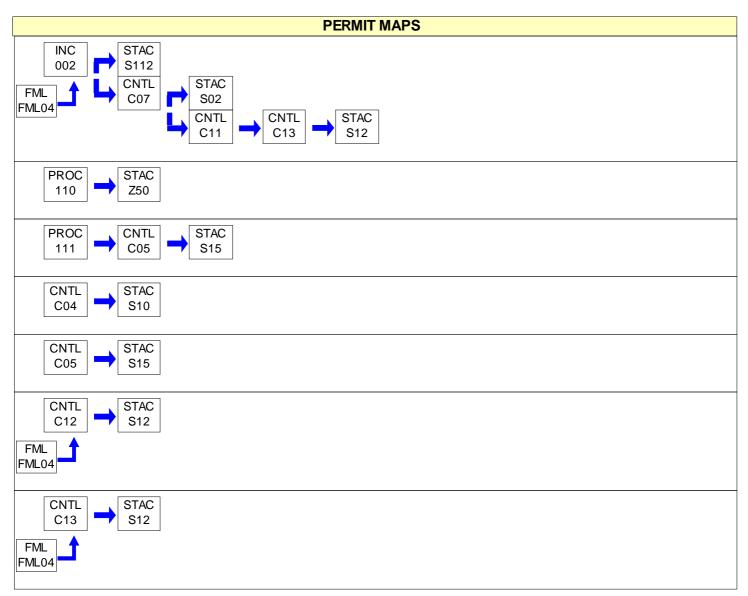
# **SECTION A.** Site Inventory List

Source ID	Source Name	Capacity/	Throughput	Fuel/Material
031	B-2 BOILERS (2 TOTAL)	1.260	MMBTU/HR	
032	B-3 BOILERS (3 TOTAL)	1.500	MMBTU/HR	
001	SEWAGE SLUDGE INCINERATOR 1	4,000.000	Lbs/HR	DRYSLUDGE
002	SEWAGE SLUDGE INCINERATOR 2	4,000.000	Lbs/HR	DRYSLUDGE
110	WASTEWATER TREATMENT PROCESS	1,800.000	M Gal/HR	WASTEWATER
111	4-250,000 GAL SLUDGE HOLDING TANKS		N/A	WASTEWATER
C04	BELT FILTER PRESS ROOM PROCESS SCRUBBER	9,000.000	Gal/HR	WATER
C05	SLUDGE HOLDING TANKS & BLDG B-4 SCRUBBER	5,160,000.000	Gal/HR	AIR
C06	QUENCH & MULTI-VENTURI SCRUBBER SSI 001			
C07	QUENCH & MULTI-VENTURI SCRUBBER SSI 002			
C10	WET ELECTROSTATIC PRECIPITATOR SSI 001			
C11	WET ELECTROSTATIC PRECIPITATOR SSI 002			
C12	REGENERATIVE THERMAL OXIDIZER SSI 001			
C13	REGENERATIVE THERMAL OXIDIZER SSI 002			
FML04	NATURAL GAS			
S01	MHI 001 START-UP STACK			
S02	MHI 002 START-UP STACK			
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Z50	WASTEWATER EMISSIONS			















#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 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]

**Prohibition of Air Pollution** 

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

#003 [25 Pa. Code § 127.512(c)(4)]

**Property Rights** 

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

#004 [25 Pa. Code § 127.446(a) and (c)]

#### **Permit Expiration**

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]

#### **Permit Renewal**

- (a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.
- (b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).
- (d) 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 during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

# **Transfer of Ownership or Operational Control**

- (a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:
  - (1) The Department determines that no other change in the permit is necessary;
  - (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit

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responsibility, coverage and liability between the current and the new permittee; and,

- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.
- (b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#### #007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

### Inspection and Entry

- (a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:
- (1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, 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, 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.
- (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.

#### #008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

## **Compliance Requirements**

- (a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) 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 to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. Aperson 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 Title V permit.

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#### #009 [25 Pa. Code § 127.512(c)(2)]

## Need to Halt or Reduce Activity Not a Defense

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

#### #010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

# **Duty to Provide Information**

- (a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.
- (b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#### #011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

# Reopening and Revising the Title V Permit for Cause

- (a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.
- (b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:
- (1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.
- (2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.
- (3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.
- (d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#### #012 [25 Pa. Code § 127.543]

#### Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

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#### #013 [25 Pa. Code § 127.522(a)]

## **Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#### #014 [25 Pa. Code § 127.541]

#### **Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#### #015 [25 Pa. Code §§ 121.1 & 127.462]

# **Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#### #016 [25 Pa. Code § 127.450]

# **Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#### #017 [25 Pa. Code § 127.512(b)]

# Severability Clause

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





## #018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

## **Fee Payment**

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).
- (e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.
- (1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.
- (2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.
- (3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

## #019 [25 Pa. Code §§ 127.14(b) & 127.449]

# **Authorization for De Minimis Emission Increases**

- (a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

- (b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit 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

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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 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 or 25 Pa. Code Article III.
- (c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:
- (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, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
  - (4) Space heaters which heat by direct heat transfer.
  - (5) Laboratory equipment used exclusively for chemical or physical analysis.
  - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.
- (e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).
- (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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

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(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#### #020 [25 Pa. Code §§ 127.11a & 127.215]

#### **Reactivation of Sources**

- (a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.
- (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).

#### #021 [25 Pa. Code §§ 121.9 & 127.216]

#### Circumvention

- (a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.
- (b) 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 this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#### #022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

#### **Submissions**

(a) 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 on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division Air, RCRA and Toxics Branch (3ED21) Four Penn Center 1600 John F. Kennedy Boulevard Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#### #023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

## Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this

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permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

# #024 [25 Pa. Code § 127.513]

# **Compliance Certification**

- (a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:
- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.
- (b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

# #025 [25 Pa. Code §§ 127.511 & Chapter 135]

## **Recordkeeping Requirements**

- (a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:
  - (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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.





## #026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

## **Reporting Requirements**

- (a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.
- (b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.
- (c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.
- (d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

# #027 [25 Pa. Code § 127.3]

## **Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (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)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

# #028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

# **Risk Management**

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

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- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
- (2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

## #029 [25 Pa. Code § 127.512(e)]

## **Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

# #030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

#### **Permit Shield**

- (a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:
  - (1) The applicable requirements are included and are specifically identified in this permit.
- (2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.
- (b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.
  - (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

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- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.
- (4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.
- (c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

# #031 [25 Pa. Code §135.3]

# Reporting

- (a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.
- (b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

# #032 [25 Pa. Code §135.4]

## **Report Format**

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

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#### SECTION C. **Site Level Requirements**

#### RESTRICTIONS.

## **Emission Restriction(s).**

#### # 001 [25 Pa. Code §127.218.]

#### PALs.

[Additional authority for this condition is from 25 Pa. Code § 127.218(g)(5).]

In accordance with 25 Pa. Code § 127.218(j), a PAL permit which is not renewed in accordance with the procedures in 25 Pa.Code § 127.218(k) expires at the end of the PAL effective period and the following requirements apply:

- (a) The owner or operator of each emissions unit or each group of emissions units that existed under the PAL shall comply with an allowable emissions limitation under a revised permit established according to the following procedures:
- (1) Within the time frame specified for PAL permit renewals in 25 Pa. Code § 127.218(k)(2), the owner or operator of the major facility shall submit a proposed allowable emissions limitation for each emissions unit, or each group of emissions units if this distribution of allowable emissions is more appropriate as determined by the Department, by distributing the PAL allowable emissions for the major facility among each of the emissions units that existed under the PAL permit. If the PAL permit has not been adjusted for an applicable requirement that became effective during the PAL effective period, as required under 25 Pa. Code § 127.218(k)(5), this distribution is made as if the PAL permit has been adjusted.
- (2) The Department will decide whether and how to distribute the PAL allowable emissions and issue a revised PAL permit incorporating allowable limits for each emissions unit or each group of emissions units.
- (b) The owner or operator of each emissions unit or group of emissions units shall comply with the allowable emissions limitation on a 12-month rolling basis. The Department may approve the use of emissions monitoring systems other than CEMS, CERMS, PEMS or CPMS to demonstrate compliance with the allowable emissions limitation.
- (c) Until the Department issues the revised PAL permit incorporating the allowable limits for each emissions unit or group of emissions units required under paragraph (a)(1) of this condition, the owner or operator of the facility shall continue to comply with a facility-wide, multi-unit emissions cap equivalent to the level of the PAL emissions limitation.
- (d) A physical change or change in the method of operation at the major facility is subject to Subchapter E of Title 25 of the Pennsylvania Code if the change meets the definition of major modification.
- (e) The owner or operator of the major facility shall continue to comply with any State or Federal applicable requirements including BAT, BACT, RACT or NSPS that may have applied either during the PAL effective period or prior to the PAL effective period except for those emissions limitations that had been established under 25 Pa.Code § 127.203(e)(2), but were eliminated by the PAL in accordance with the provisions in subsection 25 Pa.Code § 127.218(a)(3)(iii).

#### # 002 [25 Pa. Code §127.218.]

# PALs.

In accordance with 25 Pa. Code § 127.218(g)(10),

The emissions from any new source, that requires a Plan Approval, shall be the minimum attainable through the use of Best Available Technology (BAT). A physical change or change in method of operation at an existing emissions unit will not be subject to BAT requirements of 25 Pa. Code Chapter 127 unless the emissions unit is modified so that the fixed capital cost of new components exceeds fifty percent of the fixed capital cost that would be required to construct a comparable entirely new emissions unit.

#### # 003 [25 Pa. Code §127.218.]

# PALs.

[Additional authority for this condition is derived from 25 Pa. Code § 127.218(c)]

(a) The emissions of nitrogen oxides (NOx) from the facility shall be less than a Plantwide Applicability Limit (PAL) of 82.56 tons per 12-month rolling total, calculated according to the provisions in the Monitoring Requirements of this section. The following emissions units are under the PAL:



# **SECTION C.** Site Level Requirements

- (1) Sewage Sludge Incinerator 1 (Source ID 001)
- (2) Sewage Sludge Incinerator 2 (Source ID 002)
- (3) Two 1.26 MMBtu/hr natural gas-fired boilers in building B-2 (Source ID 031)
- (4) Three 1.50 MMBtu/hr natural-gas fired boilers in building B-3 (Source ID 032)
- (b) In accordance with 25 Pa. Code § 127.218(c)(1)
- (1) for each month during the PAL effective period after the first 12 months of establishing a PAL, the owner/operator shall show that the sum of the monthly NOx emissions from each emissions unit under the PAL for the previous 12 consecutive months, expressed as a 12-month rolling total is less than the PAL.
- (2) for each month during the first 11 months from the PAL effective date, the owner/operator shall show that the sum of the preceding monthly emissions from the PAL effective date for each emissions unit under the PAL is less than the PAL.
- (c) In accordance with 25 Pa. Code § 127.218(g)(4), emissions calculations for compliance purposes shall include emissions from startups, shutdowns and malfunctions.

# # 004 [25 Pa. Code §127.218.]

## PALs.

In accordance with 25 Pa. Code § 127.218(d),

At no time during or after the PAL effective period are emissions reductions of a PAL pollutant, which occur during the PAL effective period, creditable as decreases for purposes of offsets under 25 Pa. Code Subchapter E unless the level of the PAL is reduced by the amount of the emissions reductions and the reductions would be creditable in the absence of the PAL.

# # 005 [25 Pa. Code §127.218.]

# PALs.

In accordance with 25 Pa. Code § 127.218(I),

- (a) The Department may increase a PAL emissions limitation during the PAL effective period if the owner or operator of the major facility complies with the following:
- (1) The owner or operator of the major facility shall submit a complete application to request an increase in the PAL limit for a PAL major modification. The application must identify the emissions units contributing to the increase in emissions that cause the major facility's emissions to equal or exceed its PAL.
- (2) The owner or operator of the major facility shall demonstrate that the sum of the baseline actual emissions of the small emissions units assuming application of BAT, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls, plus the sum of the allowable emissions of the new or modified emissions units exceeds the PAL. The level of control that would result from BAT or BACT equivalent controls on each small emissions unit, significant emissions unit or major emissions unit must be determined by conducting a new BAT or BACT analysis at the time the application is submitted unless the emissions unit is currently required to comply with a BAT, BACT or LAER requirement that was established within the preceding 10 years. In this case, the assumed control level for that emissions unit is equal to the level of BAT, BACT or LAER with which that emissions unit must currently comply.
- (3) The owner or operator of the major facility shall obtain a major NSR permit for all emissions units identified in paragraph (1), regardless of the magnitude of the emissions increase resulting from them. The owner or operator of these emissions units shall comply with the applicable emissions requirements of 25 Pa. Code Subchapter E, even if the units are subject to a PAL or continue to be subject to a PAL.
- (4) The PAL permit must require that the increased PAL level be effective on the day any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

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#### SECTION C. **Site Level Requirements**

- (b) The Department will calculate the new PAL as the sum of the allowable emissions for each modified or new emissions unit, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls determined in accordance with paragraph (2), plus the sum of the baseline actual emissions of the small emissions units.
- (c) The PAL permit must be revised to reflect the increased PAL level under the public notice requirements of 25 Pa. Code § 127.218(e).

# # 006 [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, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (1) the emissions are of minor significance with respect to causing air pollution; and
- (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard

### # 007 [25 Pa. Code §123.2]

### **Fugitive particulate matter**

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code 123.1(a) (related to prohibition of certain fugitive emissions), if such emissions are visible at the point the emissions pass outside the property on which the said sources are operating or are located.

# # 008 [25 Pa. Code §123.31]

#### Limitations

A person may 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.

## # 009 [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:

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

#### # 010 [25 Pa. Code §123.42]

## **Exceptions**

The limitations of 25 Pa. Code §123.41 (related to Limitations), shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emissions results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions
- (b) When the emission results from sources specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions).

#### # 011 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

Emissions of volatile organic compounds (VOC) from the facility shall not exceed 49.1 tons per year on a 12-month rolling basis.

#### # 012 [25 Pa. Code §129.14]

## **Open burning operations**

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

- (a) 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.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) 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 the structure.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

#### II. TESTING REQUIREMENTS.

# # 013 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.512]

(a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to

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determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

### III. MONITORING REQUIREMENTS.

# # 014 [25 Pa. Code §127.218.] PALs.

[Additional authority for this condition is derived from 25 Pa. Code §§ 127.218(m)(1), (m)(5), and (m)(9).]

The following PAL monitoring requirements apply to this facility:

- (a) Emission factors shall be the accepted monitoring approach at this facility when conducted in accordance with the requirements in paragraphs (1) (3) of this condition.
  - (1) Adjust the emission factors to account for the degree of uncertainty or limitations in the development of the factors.
  - (2) Operate the emissions unit within the designated range of use for the emission factor, if applicable.
- (3) Conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Department determines, in writing, that testing is not required.
- (i) Validation of the NOx emissions factors for the two-1.26 MMBtu/hr natural gas-fired and the three-1.50 MMBtu/hr natural-gas fired boilers, listed under Source ID Nos. 031 and 032 will not be required, unless specifically requested by the Department.

The following emission factor shall be used for the boilers:

100 pounds of NOx per million standard cubic feet of natural gas used, as published in the U.S. EPA AP-42, Compilation of Air Pollution Emission Factors, Chapter 1.4 Table 1.4-1, July 1998 shall be used for the NOx emission factor for the each of the two natural gas-fired boilers in B-2 and the three natural-gas fired boilers in B-3.

- (b) The permittee shall record and report maximum potential emissions without considering enforceable emissions limitations or operational restriction for an emissions unit during a period of time that there is no monitoring data, unless another method for determining emissions during these periods is specified in the PAL permit.
- (c) If the permittee cannot demonstrate a correlation between the monitored parameters and the PAL pollutant emission rate of an emissions unit at the operating points of the emissions unit, the Department will, at the time of permit issuance either:
- (1) Establish default values for determining compliance with the PAL permit based on the highest potential emissions reasonable estimated at the operating points.
- (2) Determine that operation of the emissions unit during operating conditions when there is no correlation between monitored parameters and the PAL pollutant emissions is a violation of the PAL permit.
- (d) Data used to establish the PAL must be revalidated through performance testing or other scientifically valid means approved in writing by the Department. This testing must occur at least once every 5 years after issuance of the PAL permit.
- (e) Failure to use an emissions factor based monitoring system renders the PAL permit invalid.
- (f) The permittee may also use an alternative monitoring approach if approved in writing by the Department.

Note: Emission factors derived from source testing, in compliance with §62.16000 (Section E, Source Group TESTING,

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#### SECTION C. **Site Level Requirements**

Conditions #001, #002 and #003) assures compliance with Conditions #014(a), (d) and (f).

#### # 015 [25 Pa. Code §127.218.] PALs.

[Authority for this condition is derived from 25 Pa. Code §§ 127.218(g)(6) and (g)(11).]

For each incinerator,

(a) An emissions factor for NOx in lb/ton dry sludge shall be calculated, from the measured hourly emissions of NOx and the measured mass rate of dry sludge during each performance test, using natural gas as the auxiliary fuel.

The average data for three test runs shall be used in calculating the emission factor.

(b) As required by Condition Section E, Group #1, Condition #015(c),

The permittee shall calculate NOx emissions on a daily basis. Daily emissions shall be summed for each month and a consecutive 12-month rolling total shall be maintained.

The daily NOx emissions shall be calculated from the emissions factor determined during the most recent performance test and the daily quantity of dry sludge incinerated, recorded in compliance with Condition Section E, Group #1, Condition #015(a)(2).

(c) An alternate procedure for calculating emissions factors and emissions may be used upon written consent of the Department.

#### # 016 [25 Pa. Code §123.43]

## Measuring techniques

Visible emissions, pursuant to 25 Pa. Code § 123.41, may be measured using either of the following:

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

#### # 017 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall calculate the emissions of VOC from the facility on a monthly and on a 12-month rolling basis.

#### # 018 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

- (a) The permittee shall monitor the facility, once per operating day, for the following:
- (1) Odors which may be objectionable (as per 25 Pa. Code § 123.31).
- (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
- (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
  - (1) Be investigated;
  - (2) Be reported to the facility management, or individual(s) designated by the permittee;
  - (3) Have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) Be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

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- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

## IV. RECORDKEEPING REQUIREMENTS.

# # 019 [25 Pa. Code §127.218.] PALs.

In accordance with 25 Pa. Code § 127.218 (n), the following requirements apply to recordkeeping:

- (a) The permittee shall retain a copy of the records necessary to determine compliance with the PAL, including a determination of the 12-month rolling total emissions for each emissions unit, for 5 years.
- (b) the permittee shall retain a copy of the following records for the duration of the PAL effective period and 5 years after the PAL permit expires:
  - (1) a copy of the PAL permit application and applications for revisions to the PAL permit.
- (2) Each annual certification of compliance required under Title V of the Clean Air Act (42 U.S.C.A. Sections 7661 7661f) and regulations adopted under the act and the data relied on in certifying the compliance.

# 020 [25 Pa. Code §127.218.] PALs.

In accordance with 25 Pa. Code § 127.218(g)(8), all recordkeeping for the PAL shall be retrievable on-site.

#### # 021 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

The permittee shall keep records of NOx emissions, according to the monitoring procedures in Conditions #014 and #015 of this section, for the emissions units under the PAL. Records shall be kept as follows, in order to demonstrate compliance with Condition #003(b)(1):

- (a) NOx emissions from each incinerator (Source IDs 001, 002) and each set of boilers (2 @ 1.26 MMBtu/hr (Source ID 031 and 3 @ 1.5 MMBtu/hr (Source ID 032) on a monthly and on a 12-month rolling sum basis.
- (b) the sum of the NOx emissions from all the emissions units under the NOx PAL (2 incinerators, 5 boilers) on a monthly and on a 12-month rolling sum basis.

#### # 022 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

The permittee shall record the emissions of VOC on a monthly and on a 12-month rolling basis.

# # 023 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.511.]

- (1) The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:
- (a) Date, time, and location of the incident(s).
- (b) The cause of the event.
- (c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.
- (2) Records of emissions described above shall be kept for a period of at least five years from their inception.

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#### SECTION C. **Site Level Requirements**

#### # 024 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.511.]

- (a) The permittee shall maintain monitoring and recordkeeping formats as previously approved by the Department.
- (b) The permittee shall maintain a record of the analyses of the sludge generated by outside sources as specified in this Operating Permit for a period of at least five years.

# [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

#### # 026 [25 Pa. Code §127.511]

# Monitoring and related recordkeeping and reporting requirements.

The permittee shall record greenhouse gas emissions (CO2, CH4, N2O), including any relevant emissions data, from all stationary fuel combustion sources at the facility as part of compliance with the GHG Mandatory Reporting Rule.

#### REPORTING REQUIREMENTS.

#### # 027 [25 Pa. Code §127.218.] PALs.

In accordance with 25 Pa. Code § 127.218 (o), the following requirements apply to reporting and notification:

- (a) The owner or operator of a major facility shall submit semiannual monitoring reports and prompt deviation reports to the Department in accordance with the Title V operating permit requirements of 25 Pa. Code Subchapters F and G (relating to operating permit requirements; and Title V operating permits).
- (b) The semiannual reports must:
  - (1) Be submitted to the Department within 30 days of the end of each reporting period.
  - (2) Contain the following information:
    - (i) The identification of the owner and operator and the permit number.
- (ii) Total annual emissions in TPY based on a 12-month rolling total for each month in the reporting period recorded in compliance with 25 Pa. Code § 127.218(n)(1). (Conditions #019(a) and #021)
- (iii) Data relied upon, including the quality assurance or quality control data, in calculating the monthly and annual PAL pollutant emissions.
  - (iv) A list of the emissions units modified or added to the major facility during the preceding 6-month period.
- (v) The number, duration and cause of deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and the corrective action taken.
- (vi) A notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in the permit under 25 Pa.

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# SECTION C. Site Level Requirements

Code Section 127.218(m)(10) (Section C, Conditions #015 and #016).

- (vii) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.
- (c) The reports of deviations and exceedances of the PAL requirements, including periods in which no monitoring is available, must:
- (1) Be submitted to the Department promptly. A report submitted under 25 Pa. Code Subchapter G, pertaining to Title V Operating Permits, satisfies this reporting requirement.
  - (2) Contain the following information:
    - (i) The identification of the owner and operator and the permit number.
    - (ii) The PAL requirement that experienced the deviation or that was exceeded.
    - (iii) Emissions resulting from the deviation or the exceedance.
- (iv) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.
- (d) The owner or operator of a major facility shall submit to the Department the results of any revalidation test or method within 3 months after completion of the test or method.

Note: Reports for stack tests for Source IDs 001 and 002, performed in accordance with Section E, GENERAL STACK TEST REQ, Condition #001 and Section E, TESTING, Condition #001(a)-(d) and (f). (Source IDs 001 and 002) Condition #001, and must comply with report submission requirements of Section E, GENERAL STACK TEST REQ, Condition #001(c).

# # 028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.511.]

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

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# **SECTION C.** Site Level Requirements

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- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.
- (e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

# # 029 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511(c).]

The permittee shall submit the following reports:

(a) An annual certification of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certification of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under Condition #026 of section B of this permit. The annual certification of compliance shall be submitted to DEP electronically, and to EPA Region III in electronic form at the following email address:

R3\_APD\_Permits@epa.gov

The subject line shall read: "TVOP No. xxxx, Facility Namexxxx."

(b) A semi annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

#### # 030 [25 Pa. Code §135.21]

#### **Emission statements**

The permittee shall submit, by March 1 of each year, an annual emission statement for the preceding calendar year. Additionally, a description of the method used to calculate the emissions shall be included. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is true and accurate.

## VI. WORK PRACTICE REQUIREMENTS.

## # 031 [25 Pa. Code §123.1]

## Prohibition of certain fugitive emissions

A person responsible for any source specified in 25 Pa. Code §123.1(a)(1)-(9) (related to Prohibition of Sources), shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.

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#### SECTION C. **Site Level Requirements**

(d) 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 by other means.

#### # 032 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this Permit, where applicable, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

#### # 033 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.512]

- (a) The permittee may not modify any source identified in Section A. of this permit, prior to obtaining Department approval, except those modifications authorized by Condition #019(g), of Section B, of this permit.
- (b) If an unauthorized modification of any source occurs at this facility, then this permit may be suspended and the source(s) shall not be operated until authorized by the Department.

#### # 034 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall immediately upon discovery implement measures, including the application for installation of air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this Permit is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

#### VII. ADDITIONAL REQUIREMENTS.

#### # 035 [25 Pa. Code §127.218.]

# PALs.

In accordance with 25 Pa. Code § 127.218 (i), the following requirements apply to reopening of the PAL permit:

- (a) During the PAL effective period, the Department will reopen the PAL permit to:
- (1) Correct typographical/calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PAL.
- (2) Reduce the PAL if the owner or operator of the major facility creates creditable emissions reductions for use as offsets under 25 Pa. Code § 127.207 (relating to creditable emissions decrease or ERC generation or creation).
- (3) Revise the PAL to reflect an increase in the PAL as provided under 25 Pa. Code § 127.218 (I) (Condition #005 of this section).
- (b) The Department may reopen the PAL permit to reduce the PAL:
  - (1)To reflect newly applicable Federal requirements with compliance dates after the PAL effective date.
- (2) Consistent with a requirement that is enforceable as a practical matter and that the Department may impose on the major facility consistent with all applicable requirements.
  - (3) If the Department determines that a reduction is necessary to avoid causing or contributing to:
    - (i) A NAAQS or PSD increment violation

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# **SECTION C.** Site Level Requirements

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- (ii) An adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal land manager and for which information is available to the general public.
- (c) Except for the permit reopening under paragraph (a)(1) of this condition for the correction of typographical/calculation errors that do not increase the PAL level, other reopening shall be carried out in accordance with the public participation requirements of 25 Pa. Code § 127.218 (e).

# # 036 [25 Pa. Code §127.218.] PALs.

[Additional authority for this condition is derived from 25 Pa. Code § 127.218(g)(2).]

In accordance with 25 Pa. Code § 127.218(h), the effective date of the PAL period shall be May 2, 2022, and the PAL period will expire on May 1, 2032.

# # 037 [25 Pa. Code §127.218.] PALs.

[Additional authority for this condition is derived from 25 Pa. Code § 127.218(g)(3).]

In accordance with 25 Pa. Code § 127.218(k)(2), if the permittee applies to renew a PAL in accordance with 25 Pa. Code § 127.218 (k) (Condition #039 of this section) before the end of the PAL effective period, the PAL permit does not expire at the end of the PAL effective period. The PAL permit remains in effect until the Department issues a revised permit with the renewed PAL.

# # 038 [25 Pa. Code §127.218.] PALs.

In accordance with 25 Pa. Code § 127.218(a)(4), the permittee shall continue to comply with applicable Federal or State requirements, emissions limitations and work practice requirements that were established prior to the PAL effective date.

# # 039 [25 Pa. Code §127.218.] PALs.

In accordance with 25 Pa. Code § 127.218(k), the following requirements apply to renewal of a PAL:

- (a) The Department will follow the procedures specified in 25 Pa. Code § 127.218 (e) in approving a request to renew a PAL permit for a major facility, and will provide both the proposed PAL level and a written rationale for the proposed PAL level to the public for review and comment in accordance with the applicable public notice requirements in 25 Pa. Code §§ 127.44, 127.424 and 127.521. During the public review, a person may propose a PAL level for the major facility for consideration by the Department.
- (b) An owner or operator of a major facility shall submit a timely application to the Department to request renewal of a PAL permit. A timely application is one that is submitted at least 6 months prior to, but not earlier than 18 months prior to the date of permit expiration. If the owner or operator of a major facility submits a complete application to renew the PAL permit within this time period, the PAL continues to be effective until the revised permit with the renewed PAL is issued.
- (c) The application to renew a PAL permit must contain the following information:
  - (1) The information required in 25 Pa. Code § 127.218(b)(1)--(3)
  - (2) A proposed PAL level
  - (3) The sum of the potentials to emit of the emissions units under the PAL
- (4) Other information the owner or operator wishes the Department to consider in determining the appropriate level at which to renew the PAL.
- (d) The Department will consider the options in subparagraphs (i) and (ii) in determining whether and how to adjust the PAL. In no case may the adjustment fail to comply with subparagraphs (iii) and (iv).

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#### SECTION C. **Site Level Requirements**

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- (i) If the emissions level calculated in accordance with 25 Pa. Code § 127.218 (f), referring to the established PAL, is equal to or greater than 80% of the PAL level, the Department may renew the PAL at the same level without considering the factors set forth in subparagraph (ii).
- (ii) The Department may set the PAL at a level that it determines to be more representative of the facility's baseline actual emissions or that it determines to be appropriate considering air quality needs, advances in control technology, anticipated economic growth in the area, desire to reward or encourage the facility's voluntary emissions reductions or other factors specifically identified by the Department in its written rationale.
- (iii) If the potential to emit of the major facility is less than the PAL, the Department will adjust the PAL to a level no greater than the potential to emit of the facility.
- (iv) The Department will not approve a renewed PAL level higher than the current PAL unless the major facility has complied with 25 Pa. Code § 127.218 (I), indicated by Condition #005 of this section.
- (e) If the compliance date for a State or Federal requirement that applies to the facility occurs during the PAL effective period and the Department has not already adjusted for this requirement, the PAL must be adjusted at the time of the PAL permit renewal or Title V permit renewal, whichever occurs first.

## **COMPLIANCE CERTIFICATION.**

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

## IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

\*\*\* Permit Shield In Effect \*\*\*



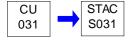




Source ID: 031 Source Name: B-2 BOILERS (2 TOTAL)

> Source Capacity/Throughput: 1.260 MMBTU/HR

Conditions for this source occur in the following groups: B-2/B-3 BOILERS



#### RESTRICTIONS.

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

#### **TESTING REQUIREMENTS.**

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

#### RECORDKEEPING REQUIREMENTS.

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

#### REPORTING REQUIREMENTS.

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

#### WORK PRACTICE REQUIREMENTS.

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

#### ADDITIONAL REQUIREMENTS. VII.

# 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Building 2 (B-2) boilers consists of two units, each with a rated heat input of 1.26 MMBtu/hr and manufactured by Cyclonetic, Model Number JB1G-030RM7897C-M.12-UL/CSD-1.

# \*\*\* Permit Shield in Effect. \*\*\*

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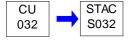




Source ID: 032 Source Name: B-3 BOILERS (3 TOTAL)

Source Capacity/Throughput: 1.500 MMBTU/HR

Conditions for this source occur in the following groups: B-2/B-3 BOILERS



#### I. RESTRICTIONS.

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

#### VII. ADDITIONAL REQUIREMENTS.

# 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Building 3 (B-3) boilers consists of three units, each with a rated heat input of 1.50 MMBtu/hr and manufactured by Lochinar, Model Number FBN1501.

## \*\*\* Permit Shield in Effect. \*\*\*

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Source ID: 001 Source Name: SEWAGE SLUDGE INCINERATOR 1

Source Capacity/Throughput: 4,000.000 Lbs/HR DRY SLUDGE

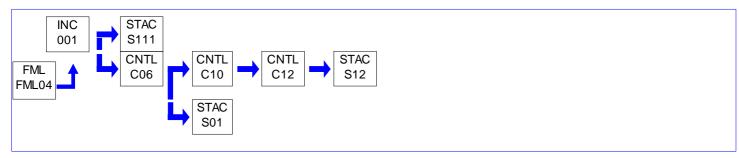
Conditions for this source occur in the following groups: GENERAL STACK TEST REQ

GROUP#1

**INCINERATORS** 

OPERATOR TRAINING

**TESTING** 



#### I. RESTRICTIONS.

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

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# **SECTION D.** Source Level Requirements

Source ID: 002 Source Name: SEWAGE SLUDGE INCINERATOR 2

Source Capacity/Throughput: 4,000.000 Lbs/HR DRY SLUDGE

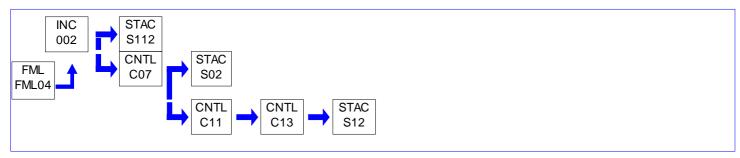
Conditions for this source occur in the following groups: GENERAL STACK TEST REQ

GROUP#1

**INCINERATORS** 

OPERATOR TRAINING

**TESTING** 



#### I. RESTRICTIONS.

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

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Source ID: 110 Source Name: WASTEWATER TREATMENT PROCESS

Source Capacity/Throughput: 1,800.000 M Gal/HR WASTEWATER

PROC STAC Z50

#### I. RESTRICTIONS.

# **Emission Restriction(s).**

# # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code §§129.91 - 129.95.]

- (a) The permittee shall ensure that the total volatile organic compound (VOC) emissions from the following sources do not exceed 44.9 tons per any consecutive 12-month period.
- Grit Removal System/Preparation Tanks
- Influent Flume
- Primary Settling Tank and Weirs
- Aeration Tanks and Weirs
- Final Clarifier Tanks and Weirs
- Post Aeration Tanks
- Chlorine Contact Tanks and Weirs
- Plant Effluent (outfall) Channels and Weirs
- Dissolved Air Floatation
- Dewatering Operation
- Four Sludge Holding Tanks (Source 111)
- PS6
- (b) In addition, the following sources or groups of sources are subject to an additional VOC restriction, in accordance with 25 Pa. Code §§ 129.91 129.95. VOC emissions shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons per year (as determined by the Department). Should any of these limitations ever be exceeded for any of the source categories listed below, a detailed RACT analysis which meets the criteria specified in 25 Pa. Code § 129.92 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection must be submitted to the Department for each source contained in the respective source category.

8 primary settling tanks
aeration tank effluent weir
6 final clarifier tanks
final clarifier effluent weirs
2 post aeration & 2 chlorine contact tanks
contact tank effluent weir
plant effluent channels & weirs
dissolved air flotation
dewatering operation

#### II. TESTING REQUIREMENTS.

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

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#### MONITORING REQUIREMENTS. III.

# 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor, on a daily basis, the influent and effluent wastewater flow, as well as associated parameters required to calculate VOC and HAP emissions from this source, in order to demonstrate compliance with the emission limitations put forth in this section.

#### RECORDKEEPING REQUIREMENTS.

# 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall keep daily records of influent and effluent wastewater flow rates, temperatures, and oil and grease concentrations.
- (b) The permittee shall, on a monthly basis, analyze wastewater samples in order to calculate VOC and HAP emissions from the wastewater treatment sources listed in this section using EPA Method 624 analyses and a DEP-approved method. The monthly emissions shall be summed each month to create a consecutive 12-month rolling total.
- (c) The permittee shall, on an annual basis, calculate VOC and HAP emissions from the wastewater treatment sources listed in this section using an average wastewater flow (averaged over the previous 12 months) and the average influent VOC concentration (as obtained from the monthly EPA Method 624 analyses and also averaged over the previous 12 months).
- (d) The permittee shall retain the records of emissions for at least 5 years and shall make them available to the Department upon request.
- (e) The permittee shall maintain comprehensive, accurate records of any additional data as required in accordance with 25 PA Code § 129.95.

# 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the necessary data and calculations required to demonstrate compliance with the VOC limits in Condition #001 (b) of this section.

#### REPORTING REQUIREMENTS.

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

#### VI. WORK PRACTICE REQUIREMENTS.

# 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall operate and maintain this source(s) in accordance with manufacturers' specifications as well as in accordance with good air pollution control practices.
- (b) The permittee shall demonstrate compliance with the emission restriction limitations of this section using EPA's Method 624 and a DEP-approved method or a potential to emit VOC calculation for any source specified in Condition #001(a), of this section, as approved by DEP.

#### VII. ADDITIONAL REQUIREMENTS.

# 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For purposes of offsetting emission increases, Source 110 consists of the following five (5) sources:

(a) grit/preparation tanks

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(b) influent flume

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- (c) primary settling tanks and weirs
- (d) aeration tanks and weirs
- (e) miscellaneous sources, which includes the following:
- (1) final clarifier tanks and weirs
- (2) chlorine contact tanks and weirs
- (3) post aeration tanks
- (4) plant effluent (outfall) channels and weirs
- (5) dissolved air flotation
- (6) dewatering operation.

\*\*\* Permit Shield in Effect. \*\*\*

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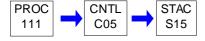






Source ID: 111 Source Name: 4-250.000 GAL SLUDGE HOLDING TANKS

> Source Capacity/Throughput: N/A WASTEWATER



### RESTRICTIONS.

# **Emission Restriction(s).**

# 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is subject to the 44.9 tons per year VOC emission restriction as shown in Condition #001 for Source ID 110.

## **Throughput Restriction(s).**

# 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not process any residual waste in this source which has not been approved for processing by the Department.

### **TESTING REQUIREMENTS.**

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

#### MONITORING REQUIREMENTS. III.

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

#### IV. RECORDKEEPING REQUIREMENTS.

# 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a record of all residual waste loads that are emptied into these holding tanks.

## REPORTING REQUIREMENTS.

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

#### VI. WORK PRACTICE REQUIREMENTS.

# 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The holding tanks that make up this source shall be exhausted to the Sludge Holding Tanks & Bldg B-4 Scrubber (Source ID C05) whenever they are in operation. The operating parameters for this scrubber are listed under Control Device C05 in this permit.



# VII. ADDITIONAL REQUIREMENTS.

# 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of 4-sludge holding tanks designated ET1, ET2, ET3, and ET4.

\*\*\* Permit Shield in Effect. \*\*\*

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Source ID: C04 Source Name: BELT FILTER PRESS ROOM PROCESS SCRUBBER

Source Capacity/Throughput: 9,000.000 Gal/HR WATER

CNTL STAC S10

### I. RESTRICTIONS.

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

# II. TESTING REQUIREMENTS.

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

# III. MONITORING REQUIREMENTS.

# # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor the following operating parameters for this source on a daily basis:
  - (1) The pH of the scrubbing solution shall be monitored using an approved continuous pH monitor.
- (2) The chlorine content of the scrubbing solution shall be monitored using an approved continuous ORP (oxidation reduction potential) monitor.
- (3) The freshwater makeup to the scrubber shall be monitored using a flow meter accurate to plus or minus 5% over its operating range.
- (4) The recirculation water flow rate shall be monitored using a flow meter accurate to plus or minus 5% over its operating range.
- (5) The pressure drop across the scrubber.

# 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential between the ambient atmosphere and the belt filter press room at least once per shift.

### IV. RECORDKEEPING REQUIREMENTS.

## # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the pressure differential between the ambient atmosphere and the belt filter press room at least once per shift.

# 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records each time that an inspection, a calibration, and/or maintenance is performed on this scrubber.

# 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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The permittee shall record the following if the belt filter press negative pressure differential alarm sounds as the pressure differential increases to zero or becomes positive:

- (a) Cause of non-negative pressure differential.
- (b) Duration of non-negative pressure differential.
- (c) Corrective action taken.
- (d) Date and time of the occurrence.

# # 006 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

- (a) The permittee shall record the following data for this source on a daily basis so that compliance with the conditions in this operating permit can be determined:
  - (1) The pH of the scrubbing solution.
  - (2) The oxidation reduction potential of the scrubbing solution.
  - (3) The pressure drop across the scrubber.
  - (4) The recycle water flow rate to the scrubber.
  - (5) The makeup water flow rate to the scrubber.
- (b) The permittee shall keep a copy of the manufacturer's specification for the installation, maintenance, and operation of the odor scrubber.
- (c) The permittee shall record the date, time, and reason the odor scrubber was being bypassed.
- (d) The permittee shall keep records for this source for a minimum of five (5) years and shall make them available to the Department upon request.

### V. REPORTING REQUIREMENTS.

## # 007 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) Within 60 days of permit issuance, the permittee shall provide detailed Standard Operating Procedures and Preventive Maintenance Schedules for this scrubber to the Department for review and approval.
- (b) The Standard Operating Procedures and Preventive Maintenance Schedule shall include, but not be limited to, the following:
- (1) Calibration
- (i) Name of the instrument being calibrated.
- (ii) The date that the instrument is being calibrated.
- (iii) The start time and end time that the instrument is being calibrated.
- (iv) Indicate the function or parameter that is placed on hold while the instrument is being calibrated.
- (v) Indicate the operational status of the scrubber during calibration.
- (2) Maintenance
- (i) Name of the equipment being maintained.
- (ii) The date that the equipment associated with this scrubber is being maintained.
- (iii) The start time and end time that the equipment associated with this scrubber is being maintained.

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(iv) Indicate the operational status of the scrubber during maintenance or if back up equipment is being used to maintain scrubber operation during maintenance.

#### # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall report all instances of scheduled and unscheduled preventive and corrective maintenance on this scrubber to the Department on at least a quarterly basis.

### VI. WORK PRACTICE REQUIREMENTS.

#### # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall operate this scrubber whenever one of the belt filter presses is dewatering sludge.
- (b) The permittee shall adhere to the following operating parameters for this scrubber:
- (1) The scrubbing solution shall consist of a mixture of plant chlorine and sodium hydroxide or sodium hydroxide and sodium hypochlorite. Alternatives to the above solutions may be used if approved by the Department.
  - (2) The minimum pH of the scrubbing solution shall be a pH of 9.
- (3) The oxidation reduction potential of the scrubbing solution shall be maintained at a minimum potential of +500 Millivolts.
- (4) A minimum recycle flow rate of 150 gallons per minute (GPM) shall be maintained whenever the scrubber is operated.
- (5) The makeup water flow rate to the scrubber shall be at least 1 GPM.
- (6) The pressure drop across the scrubber shall be maintained between 3.5 and 7.2 inches (water gauge). In addition, the permittee shall initiate cleaning of the packing in the packed tower scrubber if the increase in pressure drop, since the previous cleaning, is equal to or greater than 50% of the baseline pressure.
- (c) The permittee shall maintain an inward flow of air into the belt filter press room.
- (1) The permittee shall operate and maintain a magnehelic gauge, or Department approved system, in order to determine the pressure differential between the ambient atmosphere and the belt filter press room.
- (2) An alarm shall sound to alert the operator should the pressure differential between the ambient atmosphere and the belt filter press room fall to zero or become positive.
- (3) If the pressure differential between the ambient atmosphere and the belt filter press room cannot be restored to negative within two (2) hours of being discovered, the permittee shall cease to dewater sludge until negative pressure differential can be restored.
- (d) The permittee shall maintain a negative differential air pressure between the inside of the belt filter press room and outdoors whenever one of the belt filter presses is dewatering sludge. The permittee shall minimize all natural draft openings of the filter press room.

#### #010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform calibrations of instrumentation and/or equipment maintenance on this scrubber using Department approved procedures and schedules.

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# VII. ADDITIONAL REQUIREMENTS.

# 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The scrubber is a single-stage packed tower countercurrent flow type scrubber manufactured by Duall, Model No. PT-513-72S.The rated or nominal flow rate of air into the scrubber is 12,000 scfm.

\*\*\* Permit Shield in Effect. \*\*\*

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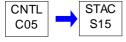




Source ID: C05 Source Name: SLUDGE HOLDING TANKS & BLDG B-4 SCRUBBER

> **AIR**

Conditions for this source occur in the following groups: GENERAL STACK TEST REQ



### RESTRICTIONS.

# **Emission Restriction(s).**

# 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from this scrubber shall be less than 1.0 ppmv hydrogen sulfide (H2S).

#### TESTING REQUIREMENTS. II.

#### # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall perform a stack test using the Department-approved procedures, once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later.
- (b) The stack test shall, at a minimum, test for hydrogen sulfide (H2S) in the inlet and outlet to the scrubber. Tests shall be conducted in accordance with the provisions of EPA Method 15 or other Department approved methodology and 25 Pa. Code Chapter 139. Results shall be reported as ppmv in the inlet and outlet streams to the scrubber and as destruction efficiency.
- (c) Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the Department's Source Testing Manual has been revised since approval, a new protocol must be submitted for approval.
- (d) The above Department approved testing is in addition to any performance evaluations by the permittee, using non-Department approved methods.
- (e) The Department reserves the right to require additional testing, including, but not limited to, concentrations and efficiency of removal of volatile organic compounds and mercaptans.

#### MONITORING REQUIREMENTS. III.

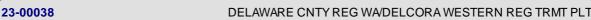
#### # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor, at least once per day, the following operating parameters for this scrubber:
- (1) the pressure drop across the scrubber:
- (2) the scrubber irrigation water flow rate;
- (3) the pH of the inlet irrigation water and
- (4) the H2S concentration in the scrubber outlet gas using a portable or stationary analyzer

The portable or stationary analyzer readings shall not be relied upon to determine compliance with the limitations in Condition #001. For the purposes of this Operating Permit, the analyzer readings shall be used to monitor trends in the

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effluent H2S concentration. Compliance with the limitation in Condition #001 shall be determined by stack testing as indicated in Condition #002 of this section.

(b) The permittee shall install or maintain the necessary instrumentation to allow the monitoring in part (a) of this condition to be conducted.

# IV. RECORDKEEPING REQUIREMENTS.

#### # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record, at least once per day, the following operating parameters for this scrubber:

- (1) the pressure drop across the scrubber;
- (2) the scrubber irrigation water flow rate;
- (3) the pH of the inlet irrigation water and
- (4) the H2S concentration in the scrubber outlet gas.

# 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the interval for spraying of the irrigation water, at the minimum whenever a change is made.

# 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of any maintenance performed on this scrubber system to include a description of the maintenance and the date performed.

# 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record any inspections of samples taken from the scrubber drainage, the date, time of the sample taken and the results of the inspection or analysis.

## REPORTING REQUIREMENTS.

#### # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall provide the Department with a copy of any performance test reports, for H2S, organic compounds, or odor removal by the scrubber, performed in addition to the testing required by Condition #002 of this section.
- (b) Reports shall contain results of the performance test and any operating data collected during the performance test.
- (c) The reports shall be submitted to the Department within thirty days of receipt of the test report by the permittee, or within 60 days of the performance test if the test is conducted by the permittee.

## VI. WORK PRACTICE REQUIREMENTS.

#### # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (1) The permittee shall optimize the values of the following operating parameters for the scrubber, based on manufacturer's recommendations as available, while maintaining the following ranges:
- (a) pressure drop across the unit: 4.0 9.7 in. w.c.
- (b) pH of the inlet irrigation water: 5.5 7.3
- (c) irrigation water flow rate: 41 51 gallons/minute\*
  - \*Some minor deviations outside this range may be allowed provided they occur for no more than several days at once, the H2S concentration in the outlet is not increasing, and corrective action is taken

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- (d) interval of application of the irrigation water: 5 15 minutes
- (2) If any of the above parameters fall out of the specified ranges, the permittee shall immediately take corrective action to bring the parameter(s) into range. The corrective action and results shall be recorded.

## # 010 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

- (a) The permittee shall operate and maintain the scrubber and related instrumentation according to Standard Operating Procedures and Preventive Maintenance Schedules recommended by the manufacturer or developed by the permittee and approved by the Department.
- (b) The permittee shall ensure that the scrubber and related instrumentation are operated and maintained in a manner consistent with good operating and maintenance practices, in accordance with good air pollution control practices and in accordance with manufacturer's specifications.

### VII. ADDITIONAL REQUIREMENTS.

### # 011 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) This scrubber shall use Biotrickling Filter technology, which employs heterotrophic and autotrophic bacteria to degrade and remove H2S and odorous organic compounds from the inlet gas stream.
- (b) This scrubber shall be a Bio-Air Solutions Eco-Filter, Model EF 1262.
- (c) Design air flow of the scrubber shall be 11,500 cubic feet per minute at 70F.
- (d) This scrubber system shall recover odorous compounds from the Sludge Holding Tanks (Source ID 111) and from the Building B-4 grease processing and thickening areas.

## \*\*\* Permit Shield in Effect. \*\*\*

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Group Name: B-2/B-3 BOILERS
Group Description: 031 AND 032
Sources included in this group

I	D	Name
0	31	B-2 BOILERS (2 TOTAL)
0	32	B-3 BOILERS (3 TOTAL)

## I. RESTRICTIONS.

# Fuel Restriction(s).

# 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use natural gas in the B-2 and B-3 boilers.

[Compliance with this streamlined condition satisfies the requirements under 25 Pa. Code § 123.22.]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

# 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount of fuel consumed by each boiler on a monthly basis.

### IV. RECORDKEEPING REQUIREMENTS.

# 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount of fuel combusted on a monthly basis.

# V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

## VII. ADDITIONAL REQUIREMENTS.

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

## \*\*\* Permit Shield in Effect. \*\*\*





Group Name: GENERAL STACK TEST REQ

Group Description:

Sources included in this group

ID	Name
001	SEWAGE SLUDGE INCINERATOR 1
002	SEWAGE SLUDGE INCINERATOR 2
C05	SLUDGE HOLDING TANKS & BLDG B-4 SCRUBBER

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

## [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) At least ninety (90) 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.
- (b) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (c) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (d) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

#### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

## V. REPORTING REQUIREMENTS.

#### [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region

RA-EPSEstacktesting@pa.gov

Central Office

RA-EPstacktesting@pa.gov

- (b) The following pertinent information shall be listed on the title page.
- 1. Test Date(s)

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- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing
- 2. Facility Identification Number (Facility ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.
- 3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment
- 4. Testing Requirements (all that apply):
- a. Plan approval number(s)
- b. Operating permit number
- c. Applicable federal subpart(s) (i.e. 40 C.F.R. 60, Subpart JJJJ)
- d. Special purpose(s) (Consent Order, RFD, RACT, Tier II, etc.)
- (c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

[NOTE: Test Method 9 and Test Method 22 information such as protocols and reports shall be provided to the Region only, not Central Office.]

### # 003 [25 Pa. Code §139.53]

## Filing monitoring reports.

Pursuant to 25 Pa. Code § 139.53(b), a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all the applicable permit conditions. The summary results will include, at a minimum, the following information:

- (a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
- (b) permit number(s) and condition(s) which are the basis for the evaluation;
- (c) summary of results with respect to each applicable permit condition;
- (d) statement of compliance or non-compliance with each applicable permit condition.

# VI. WORK PRACTICE REQUIREMENTS.

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

#### VII. ADDITIONAL REQUIREMENTS.

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

# \*\*\* Permit Shield in Effect. \*\*\*







Group Name: GROUP#1 Group Description: Incinerators Sources included in this group

23-00038

ID	Name
001	SEWAGE SLUDGE INCINERATOR 1
002	SEWAGE SLUDGE INCINERATOR 2

### RESTRICTIONS.

# **Emission Restriction(s).**

#### # 001 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code §§ 129.91 - 129.95, 129.111 - 129.115, and 40 C.F.R. § 62.15955 and Table 3 of 40 C.F.R. Part 62, Subpart LLL.]

- (a) The permittee shall ensure that this sewage sludge incinerator does not emit air pollutant emissions in excess of the following amounts:
  - (1) Sulfur Dioxide: 26 parts per million dry volume at 7% oxygen
  - (2) Oxides of Nitrogen: 15.0 lbs/hr and 220 parts per million dry volume @7% oxygen
  - (3) Carbon Monoxide: 11.81 lbs/hr and 3800 parts per million dry volume @ 7% oxygen
  - (4) Particulate matter (filterable): 80 milligrams per dry standard cubic meter at 7% oxygen
  - (5) Hydrogen chloride: 1.2 parts per million dry volume @ 7 % oxygen
  - (6) Dioxins/furans (total mass basis): 5.0 nanograms per dry standard cubic meter at 7% oxygen; or Dioxins/furans (toxic equivalency basis): 0.32 nanograms per dry standard cubic meter at 7% oxygen
  - (7) Mercury: 0.28 milligrams per dry standard cubic meter at 7% oxygen

Cadmium: 0.095 milligrams per dry standard cubic meter at 7% oxygen

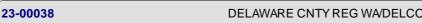
Lead: 0.30 milligrams per dry standard cubic meter at 7% oxygen.

(b) The permittee shall limit the total emissions from each Sewage Sludge Incinerator to the following, on a 12-month rolling basis:

(i)

- (1) Sulfur Dioxide (SO2): 32.9 TPY and 65.8 tons/year for both incinerators
- (2) Oxides of Nitrogen (NOx): 65.7 TPY
- (3) Carbon Monoxide (CO): 51.72 TPY
- (c) The permittee shall ensure that Total Hydrocarbon Compound (THC) emissions from this sewage sludge incinerator stack does not exceed 100 parts per million (ppmv) monthly average concentration on a volumetric basis, measured as propane and corrected to 7% oxygen and 0% moisture.

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- (d) The Department reserves the right to establish and impose more stringent limitations based on test results from stack testing data.
- (e) In accordance with 40 C.F.R. § 62.15955 and Table 3 of 40 C.F.R. Part 62, Subpart LLL,

Visible emissions of combustion ash from an ash conveying system (including conveyor transfer points) for no more than 5 percent of any compliance test hourly observation hourly period.

[Compliance with paragraph (a)(2) above demonstrates compliance with 25 Pa. Code § 129.114 as the Alternative RACT III Plan for DELCORA.1

#### # 002 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 61.32, 61.52 & 61.54]

(a) The permittee shall ensure that emissions to the atmosphere from this incinerator do not exceed 3200 grams of mercury per 24-hour period.

Note: Compliance with the limit of 0.28 mg per dry cubic meter in Table 3 of 40 C.F.R. Part 62, Subpart LLL will assure that the mercury emissions are below the above limit at the stack flow rates of the incinerators.

- (b) As an alternative means for demonstrating compliance with the mercury emission limit set above, the permittee may use Method 105 of appendix B and the procedures specified in 40 C.F.R. § 61.54.
- (c) In accordance with 40 C.F.R. § 61.32(a), emissions to the atmosphere shall not exceed 10 grams (0.022 lb) of beryllium over a 24-hour period.

#### # 003 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 123.12 and 127.512 and 40 C.F.R. § 60.152, Subpart O]

- (a) Regarding particulate matter emissions from this sewage sludge incinerator, the permittee shall comply with the more stringent of the following limitations:
- (1) In accordance with 25 Pa. Code § 123.12,
- a concentration in the effluent gas of 0.1 grain per dry standard cubic foot or less, corrected to 12% carbon dioxide;
- (2) In accordance with 40 C.F.R. § 60.152,
- a rate of 0.65 g/kg dry sludge input (1.30 lb/ton dry sludge input), after controls;

Note: The emissions includes filterable particulate matter.

- (3) The Department reserves the right to add additional restrictions to the PM emissions limits, or include PM2.5 emission limits, based on stack testing data developed under this Operating Permit and other information presented by the permittee.
- (b) In accordance with 40 C.F.R. § 60.152(a)(2),
- no owner or operator shall discharge or cause the discharge into the atmosphere of any gases which exhibit 20 per cent opacity or greater.

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## Throughput Restriction(s).

## # 004 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.91 - 129.95 and 129.111 - 129.115.]

- (a) The permittee shall limit the dry solids feed to each incinerator to 48 tons per day.
- (b) The combination of both incinerators is limited to 96 tons per day dry solids.

### II. TESTING REQUIREMENTS.

# # 005 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

- (a) If the permittee chooses to use the CEMs stack gas oxygen analyzer for compliance with 40 C.F.R. Part 60, Subpart O, then the permittee shall conduct a stack test for particulate matter upon the start-up of the incinerator to establish an oxygen limit for the CEMs analyzer in accordance with 40 C.F.R. Part 60, Subpart O.
- (b) At least 60 days prior to the stack test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of the sampling ports and other data to ensure collection of representative samples.
- (c) The stack test shall be performed while the incinerator is operating at no less than 85% of its design capacity.

### # 006 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.153, 60.154, 61.33, 61.53, & 61.54].

- (a) If the permittee opts for the alternative means for demonstrating compliance with 40 C.F.R. § 61.52(b) relating to emissions of mercury, then the permittee shall determine the mercury content of the dry sludge prior to firing in this incinerator at least once per calendar year using sampling/test methods described in 40 C.F.R., Part 61, § 61.54, Subpart E.
- (b) The permittee shall collect and analyze a grab sample of the sludge fed to the incinerator at least once per day. The dry sludge content and the volatile solids content of the sample shall be determined in accordance with the method specified under 40 C.F.R. § 60.154(b)(5), except that the determination of volatile solids, step (3)(b) of the method, may not be deleted.
- (c) The permittee shall notify the Department and the Administrator at least 30 days prior to an emissions test for Beryllium and/or mercury. Samples shall be taken over a period or periods as necessary to accurately determine maximum emissions in any 24-hour period.
- (d) The permittee shall analyze all sludge samples taken for Beryllium and Mercury emissions testing within 30 days of the source test and the results shall be reported to the Department and Administrator by registered letter.
- (e) The permittee shall test for and calculate emissions of particulate matter from this incinerator according to test methods and procedures set forth in 40 C.F.R. § 60.154.

# III. MONITORING REQUIREMENTS.

## # 007 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code  $\S129.91 - 129.95$  and 129.111 - 129.115, and 40 C.F.R  $\S60.153$ , 62.15960(f) and 62.16025(f)(3)(ii).]

- (a) The permittee shall monitor the following parameters on a continuous basis:
- (1) Total hydrocarbon compound concentration from the stack;
- (2) Oxygen concentration, measured in accordance with 40 C.F.R. § 60.153(b)(2), from the stack;
- (3) Information used to measure information used to determine the moisture content from the stack; and
- (4) The temperature of hearths No. 1-8, in each incinerator.
- (i) A minimum of two thermocouples shall monitor each hearth in the combustion zone (hearths 3-6) and a minimum of one

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thermocouple shall monitor the hearth in the drying and cooling zones (hearths 1,2,7,8).

- (b) The amount and type of fuel combusted on a daily basis as well as on a monthly basis.
- (1) The permittee shall perform the necessary monitoring to allow the reports required by Section E, Group#1, Condition #020(b).
- (c) The quantity of sewage sludge incinerated on a continuous basis.
- (1) In accordance with 40 C.F.R. § 62.15960(f), the permittee shall monitor the feed rate and the moisture content of the sewage sludge fed to the incinerator. In accordance with 40 C.F.R. § 62.15960(f)(1), the permittee shall calculate a daily average feed rate for all hours of operation during each 24 hour period.
- (2) In accordance with 40 C.F.R. § 62.15960(f)(2), the permittee shall take at least one grab sample per day of the sewage sludge fed to the incinerator. If the permittee takes more than one grab sample in a day, the daily average of the grab samples shall be calculated. A record of the daily average moisture content shall be kept, as specified in 40 C.F.R. § 62.16025(f)(3)(ii) (Condition #012(a)(2)(i)).
- (d) the hours of operation during which sludge is charged to the incinerator.
- (e) The permittee shall calculate emissions of the following pollutants, using Department approved methods, in order to demonstrate compliance with the limitations in this Operating Permit.

On a daily basis: VOC, SO2, NOx, and CO. Daily emissions shall be summed each month and a consecutive 12-month rolling total shall be maintained for each incinerator. In addition, a combined 12-month rolling total for both incinerators shall be calculated for VOC.

Emissions factors from the latest stack test shall be used, unless other factors are approved by the Department.

- (f) Mercury and beryllium on a 24-hour basis.
- (g) Monthly average THC concentration in the combined stack S12, measured as propane at 7% oxygen and 0% moisture.

[Compliance with paragraph(s) (a)(2), (a)(4), (b), and (c) above demonstrates compliance with 25 Pa. Code § 129.114 as the Alternative RACT III Plan for DELCORA.]

### # 008 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

The permittee shall conduct oxygen monitoring as specified in 40 C.F.R. § 60.153(b)(2), unless an alternate oxygen monitoring request is submitted to and approved by the EPA pursuant to 40 C.F.R. § 60.13(i).

### # 009 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) The permittee shall monitor the combined final stack Source ID S12 for the presence or absence of visible emissions for at the minimum one six-minute period, once per day that either or both incinerators are operating. The date, time, duration that visible emissions are observed, and identification of the incinerators that are operating shall be noted.
- (b) As an alternate to paragraph (a) of this condition, the permittee may install, maintain and operate a continuous opacity meter in the combined final stack, S12.
- (c) The permittee shall observe the emergency bypass stacks, Source IDs S111 and S112, for the presence or absence of visible emissions at least once during a bypass event.
- (d) The Department reserves the right to revise this condition, based on but not limited to, monitoring and testing results.

## # 010 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code § 127.36.]

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- (a) The permittee shall analyze the sewage sludge fed to the incinerator for arsenic, cadmium, chromium, lead, and nickel (in mg/kg dry sludge) at a minimum of once per month.
- (b) The permittee shall ensure that the sludge generated by outside sources to be incinerated is analyzed for arsenic, cadmium, chromium, lead and nickel (in mg/kg dry sludge) according to the following frequency schedule:

Amount of Sludge from each Generator, Analysis Frequency, metric tons per year (dry weight basis)

0 < Amount of Sludge < 290; once per year

(290 < or equal to) Amount of Sludge (< 1,500); once per quarter

(1,500 < or equal to) Amount of Sludge( < 15,000); once every 60 days.

Amount of Sludge > or equal to 15,000; once every month

#### IV. RECORDKEEPING REQUIREMENTS.

### [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 61.52 through 61.54].

- (a) If tested according to 40 C.F.R. § 61.54, the permittee shall maintain records of sludge mercury content for at least five (5) years.
- (b) The permittee shall maintain records of information indicating compliance with condition #001 for this source (relating to emissions of mercury) for at least five (5) years.

## [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16025.]

The permittee must maintain applicable records as follows for a period of at least 5 years. All records must be available on site in either paper copy or computer-readable format that can be printed upon request, unless an alternative format is approved by the Administrator.

- (a) Date. Calendar date of each record.
- (b) Final control plan and final compliance. Copies of the final control plan and any additional notifications, reported under 40 C.F.R. § 62.16030.
- (c) Air pollution control device inspections. The results of initial and annual air pollution control device inspections conducted as specified in 40 C.F.R. §§ 62.15990 and 62.16015(c), including any required maintenance and any repairs not completed within 10 days of an inspection or the timeframe established by the Administrator.
- (d) Performance test reports.
- (1) The results of the initial, annual and any subsequent performance tests conducted to determine compliance with the emission limits and standards and/or to establish operating limits, as applicable.
  - (2) Retain a copy of the complete performance test report, including calculations.
- (3) Keep a record of the hourly dry sludge feed rate measured during performance test runs as specified in 40 C.F.R. § 62.16015(a)(2)(i).
- (4) Keep any necessary records to demonstrate that the performance test was conducted under conditions representative of normal operations, including a record of the moisture content measured as required in 40 C.F.R. § 62.16015(a)(2)(ii) for each grab sample taken of the sewage sludge burned during the performance test.
- (e) For continuous parameter monitoring systems:
  - (1) All 1-hour average values recorded for the following operating parameters, as applicable:

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#### (A) afterburner temperature

- (B) If a wet scrubber is used to comply with the rule, the pressure drop across each wet scrubber system and liquid flow rate to each wet scrubber used to comply with the emission limit in Table 3 of 40 C.F.R. Part 62, Subpart LLL for particulate matter, cadmium or lead and the scrubber liquid flow rate and scrubber liquid pH for each wet scrubber used to comply with an emission limit in Table 3 of 40 C.F.R. Part 62, Subpart LLL for sulfur dioxide or hydrogen chloride.
- (C) If an electrostatic precipitator is used to comply with the rule, secondary voltage of the electrostatic precipitator collection plates and secondary amperage of the electrostatic precipitator collection plates and influent water flow rate at the inlet of the wet electrostatic precipitator.
- (2) All daily average values recorded for the feed rate and moisture content of the sewage sludge fed to the sewage sludge incinerator, monitored and calculated as specified in 40 C.F.R. § 62.15960(f).
- (h) Deviation reports. Records of any deviation reports submitted under 40 C.F.R. §§ 62.16030(e) and (f).
- (i) Equipment specifications and operation and maintenance requirements. Equipment specifications and related operation and maintenance requirements received from vendors for the incinerator, emission controls and monitoring equipment.
- (j) Inspections, calibrations and validation checks of monitoring devices. Records of inspections, calibration and validation checks of any monitoring devices as required under 40 C.F.R. §§ 62.16015 and 62.16020.
- (k) Monitoring plan for continuous monitoring systems. Records of the monitoring plans required under 40 C.F.R. § 62.15995.
- (I) Less frequent testing. If, consistent with 40 C.F.R. § 62.16000(a)(3), the permittee may elect to conduct performance tests less frequently than annually, and must then keep annual records that document that the emissions in the two previous consecutive years were at or below 75-percent of the applicable emission limit in Table 3 to this subpart, and document that there were no changes in source operations or air pollution control equipment that would cause emissions of the relevant pollutant to increase within the past 2 years.
- (m) Use of bypass stack. Records indicating use of the bypass stack, including dates, times and durations as required under 40 C.F.R. § 62.16020(d).
- (n) If a malfunction occurs, you the permittee must keep a record of the information submitted in the annual report in 40 C.F.R. § 62.16030(c)(16).

# # 013 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

[Additional authority for Condition (a)(3) and (a)(4) is also derived from 40 C.F.R. §§ 61.32 and 61.52 - 61.55].

- (a) The permittee shall maintain records of the following items:
  - (1) The total hydrocarbons concentrations in the sewage sludge incinerator stack exit gas, on a continuous basis.
- (2) Information that indicates the requirements in the National Emission Standard for beryllium in subpart C of 40 C.F.R. Part 61 are met.
- (3) The oxygen concentration and information used to measure moisture content in the sewage sludge incinerator stack exit gas, on a continuous basis.
  - (4) the oxygen content in the incinerator exhaust gas, measured pursuant to 40 C.F.R. § 60.153(b)(2).
  - (5) The stack height for the sewage incinerator.
  - (6) The dispersion factor for the site where the incinerator is located.

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- (7) The control efficiency for lead, arsenic, cadmium, chromium, and nickel for each incinerator.
- (8) The risk specific concentration for chromium calculated using the following equation, if applicable:

RSC = 0.0085/r

Where:

RSC = risk specific concentration for chromium in micrograms per cubic meter.

r = decimal fraction of the hexavalent chromium concentration in the total chromium concentration measured in the exit gas from the sewage sludge incinerator stack in hundredths.

(9) A calibration and maintenance log for the instruments used to measure the total hydrocarbons concentration and oxygen concentration in the exit gas from the incinerator, the information needed to determine moisture content in the exit gas, and the combustion temperatures.

## # 014 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code  $\S$  127.511 and 129.115 and 40 C.F.R.  $\S$  60.153, 40 C.F.R.  $\S$  62.16025(f)(3)(ii) and 62.15960(f)].

- (a) The permittee shall record parameters of this source to determine compliance with terms and conditions put forth in this operating permit. The parameters shall include, but not be limited to, the following:
- (1) The quantity of fuel combusted on a daily basis as well as on a monthly basis. Monthly totals shall be rolled into consecutive 12-month sums.
  - (i) natural gas usage shall be in standard cubic feet.
- (ii) The permittee shall also perform the necessary recordkeeping to allow reports required by Condition #014(b) of this section to be prepared.
  - (2) The quantity of sewage sludge incinerated, on a dry basis, each day.
- (i) In accordance with 40 C.F.R. § 62.16025(f)(3)(ii), the permittee shall keep a daily average for the feed rate and the moisture content of the sewage sludge fed to the sewage sludge incinerator, as monitored in accordance with 40 C.F.R. § 62.15960(f) (Condition #007(a)(4)(i) and (ii))
  - (3) At a minimum, continuous temperature records from hearths No. 1 8.
- (4) The date(s), time, and reason of any cessation of charging of sewage sludge to the incinerator, other than for routine maintenance or planned outages.
  - (5) Continuous oxygen content of the incinerator exhaust gas.
  - (6) Daily hours of operation during which sludge is charged to the incinerator.
- (b) The permittee shall maintain records of the following items:
- (1) A copy of the manufacturer's specification for the installation, maintenance, and operation of the burners.
- (2) A record of the stack test protocols and reports that are required by this Operating Permit.
- (3) A record of the satisfactory completion of the incinerator training program shall be kept on file and made available to the Department upon request.
  - (4) A record of the total and volatile solids content of the sludge charged to the incinerator.
- (c) The permittee shall record emissions of VOC, NOx, SO2, and CO calculated from this source on a daily basis using Department approved methods. Daily emissions shall be summed each month and a consecutive 12-month rolling total

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shall be maintained for each incinerator. A 12-month rolling total of VOC and of SO2 emissions shall be maintained for the combination of both incinerators.

- (d) Mercury and beryllium on a 24-hour basis.
- (e) Monthly average THC concentration in the combined stack S012, measured as propane at 7% oxygen and 0% moisture.
- (f) The permittee shall keep a record of all by-pass stack openings, malfunctions and any process upsets or changes which result in, or may possibly result in, an increase in the emissions of particulate matter, opacity, and/or malodors to the outdoor atmosphere. The records shall explain the causes of all such malfunctions/process upsets and the corrective actions taken by the permittee.
- (g) The permittee shall keep a record of all instrumentation calibration checks and maintenance reports.
- (h) The permittee shall keep all records for this source for a period of five (5) years from the date of their inception.

[Compliance with paragraph(s) (a)(1), (a)(2), (a)(3), (a)(4), (a)(5), (b)(1), (b)(2) and (g) above demonstrates compliance with 25 Pa. Code § 129.114 as the Alternative RACT III Plan for DELCORA.]

# # 015 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code § 127.36.]

- (a) The permittee shall maintain the following records concerning sludge accepted by outside generators.
  - (1) the date, the amount of sludge accepted, the generator, the type of sludge
- (2) the results of the analysis for arsenic, cadmium, chromium, lead and nickel (in mg/kg dry sludge) on a per generator basis
- (b) The permittee shall record the results of the monthly analysis for arsenic, cadmium, chromium, lead and nickel (in mg/kg dry sludge) of the sludge fed to the incinerator.
- (c) The permittee shall keep records of the analyses in paragraphs (a) and (b) of this condition for a period of at least 5 years.

### # 016 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) The permittee shall record the visible emissions observed in Condition #010(a) with the date, time of day, duration of visible emissions, and the incinerator(s) operating at the time of the observation.
- (b) If an opacity monitor is used pursuant to Condition #010(b), the date, time of day, opacity, and incinerator(s) operating shall be recorded.
- (c) The permittee shall record the extent of visible emissions observed with the monitoring performed pursuant to Condition #010(c), with the date, the time of day, the incinerator on emergency bypass and the reason for the emergency bypass.

### V. REPORTING REQUIREMENTS.

## # 017 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16030 (h).]

Report submission form.

(1) the permittee shall submit annual and deviation reports electronically or in paper format, postmarked on or before the submittal due dates.

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(2) the permittee shall submit performance tests and evaluations as follows.

Within 60 days after the date of completing each performance test (see § 60.8 of 40 C.F.R. Part 60) required by 40 C.F.R. Part 62, Subpart LLL, the permittee must submit the results of the performance test according to the method specified by either paragraph (A) or (B) of this section.

(A) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (http://www.epa.gov/ttn/chief/ert/index.html), at the time of the test, the permittee must submit the results of the performance test to the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/).) Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site.

If the permittee claims that some of the performance test information being transmitted is confidential business information (CBI), he/she must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disk, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph (2)(i)(A).

- (B) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site, the permittee must submit the results of the performance test to the Administrator at the appropriate address listed in § 60.4 of this chapter.
- (3) Changing report dates.

If the Administrator agrees, the permittee may change the semiannual or annual reporting dates. See  $\S$  60.19(c) of 40 C.F.R. Part 60 for procedures to seek approval to change the reporting date.

# # 018 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall maintain records and report the monthly average of the concentration of arsenic, cadmium, chromium, nickel and lead (in mg/kg dry sludge) in the sludge fed to the incinerator to the Department and to EPA on or before February 19 of each year.

### # 019 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) The permittee shall report the results of sludge mercury analysis to the Department and EPA within 15 days of becoming available to DELCORA, in accordance to Condition 006(d), of this section, of the permit.
- (b) The permittee shall report the following information to the Department and EPA on or before February 19 of each year:

The total hydrocarbons concentrations in the exit gas from the combined incinerator stack S12, monthly average, annually.

### # 020 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. §§ 62.16030 and 62.15890.]

The permittee must submit the reports to the Administrator as follows:

(a) Annual compliance report.

The permittee must submit the annual compliance report no later than April 1st of each year.

- (1) Company name, physical address and mailing address.
- (2) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of

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the report.

- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If a performance test was conducted during the reporting period, the results of that performance test.

If operating limits were established during the performance test, include the value for each operating limit and, as applicable, the method used to establish each operating limit, including calculations.

- (5) For each pollutant and operating parameter recorded using a continuous monitoring system, the highest average value and lowest average value recorded during the reporting period, as follows for continuous parameter monitoring systems:
  - (i) For all operating parameters except scrubber liquid pH, the highest and lowest 12-hour average values.
  - (ii) For scrubber liquid pH, the highest and lowest 3-hour average values.
- (6) If there are no deviations during the reporting period from any emission limit, emission standard or operating limit, a statement that there were no deviations from the emission limits, emission standard or operating limits.
- (7) If a performance evaluation of a continuous monitoring system was conducted, the results of that performance evaluation. If new operating limits were established during the performance evaluation, include calculations for establishing those operating limits.
- (8) If the permittee elects to conduct performance tests less frequently as allowed in 40 C.F.R. § 62.16000(a)(3) and did not conduct a performance test during the reporting period, the dates of the last two performance tests, a comparison of the emission level achieved in the last two performance tests to the 75-percent emission limit threshold specified in 40 C.F.R. § 62.16000(a)(3), and a statement as to whether there have been any process changes and whether the process change resulted in an increase in emissions must be included.
- (9) Documentation of periods when all qualified sewage sludge incineration unit operators were unavailable for more than 8 hours, but less than 2 weeks.
- (10) Results of annual air pollution control device inspections recorded under 40 C.F.R. § 62.16025(d) for the reporting period, including a description of repairs.
- (11) If there were no periods during the reporting period when the continuous monitoring systems had a malfunction, a statement that there were no periods during which the continuous monitoring systems had a malfunction.
- (12) If there were no periods during the reporting period when a continuous monitoring system was out of control, a statement that there were no periods during which the continuous monitoring systems were out of control.
- (13) If there were no operator training deviations, a statement that there were no such deviations during the reporting period.
- (14) If there were no revisions to the site-specific monitoring plan during the reporting period, a statement that there were no revisions to the site-specific monitoring plan during the reporting period. If revisions were made to your site-specific monitoring plan during the reporting period, a copy of the revised plan.
- (15) If there were malfunctions during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction that occurred during the reporting period and that caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 C.F.R. §60.11(d), including actions taken to correct a malfunction.
- (b) Deviation reports.
  - (1) The permittee must submit a deviation report if:
    - (i) Any recorded operating parameter level, based on the averaging time specified in 40 C.F.R. Part 62, Subpart LLL

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Table 4, is above the maximum operating limit or below the minimum operating limit established.

- (ii) There are visible emissions of combustion ash from an ash conveying system for more than 5-percent of any compliance test hourly observation period.
  - (iii) A performance test was conducted that deviated in any emission limit in Table 3 of 40 C.F.R. Part 62, Subpart LLL.
  - (iv) A continuous monitoring system was out of control.
- (v) there was a malfunction (e.g., continuous monitoring system malfunction) that caused or may have caused any applicable emission limit to be exceeded.
- (2) The deviation report must be submitted by August 1 of that year for data collected during the first half of the calendar year (January 1 to June 30), and by February 1 of the following year for data collected during the second half of the calendar year (July 1 to December 31).
- (3) For each deviation where you are using a continuous monitoring system to comply with an associated emission limit or operating limit, report the items described in paragraphs (b)(3)(i) through (viii) of this section.
  - (i) Company name, physical address and mailing address.
- (ii) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of the report.
- (iii) The calendar dates and times your unit deviated from the emission limits, emission standards or operating limits requirements.
  - (iv) The averaged and recorded data for those dates.
  - (v) Duration and cause of each deviation from the following:
    - (A) Emission limits, emission standards, operating limits and corrective actions.
    - (B) Bypass events and your corrective actions.
  - (vi) Dates, times and causes for monitor downtime incidents.
- (vii) A copy of the operating parameter monitoring data during each deviation and any test report that documents the emission levels.
- (viii) If there were periods during which the continuous monitoring system malfunctioned or was out of control, you must include the following information for each deviation from an emission limit or operating limit:
  - (A) The date and time that each malfunction started and stopped.  $\label{eq:and_exp}$
- (B) The date, time and duration that each continuous monitoring system was inoperative, except for zero (low-level) and high-level checks.
- (C) The date, time and duration that each continuous monitoring system was out of control, including start and end dates and hours and descriptions of corrective actions taken.
- (D) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction, during a period when the system as out of control or during another period.
- (E) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.

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- (F) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes and other unknown causes.
- (G) A summary of the total duration of continuous monitoring system downtime during the reporting period, and the total duration of continuous monitoring system downtime as a percent of the total operating time of the SSI unit at which the continuous monitoring system downtime occurred during that reporting period.
  - (H) An identification of each parameter and pollutant that was monitored at the SSI unit.
  - (I) A brief description of the SSI unit.
  - (J) A brief description of the continuous monitoring system.
  - (K) The date of the latest continuous monitoring system certification or audit.
- (L) A description of any changes in continuous monitoring system, processes, or controls since the last reporting period.
- (4) For each deviation where a continuous monitoring system is not used to comply with the associated emission limit or operating limit, report the following items:
  - (i) Company name, physical address and mailing address.
- (ii) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of the report.
  - (iii) The total operating time of each affected source during the reporting period.
- (iv) The calendar dates and times your unit deviated from the emission limits, emission standards or operating limits requirements.
  - (v) The averaged and recorded data for those dates.
  - (vi) Duration and cause of each deviation from the following:
    - (A) Emission limits, emission standards, operating limits and corrective actions.
    - (B) Bypass events and corrective actions.
  - (vii) A copy of any performance test report that showed a deviation from the emission limits or standards.
- (viii) A brief description of any malfunction reported in paragraph (b)(1)(vii) of this section, including a description of actions taken during the malfunction to minimize emissions in accordance with 40 C.F.R. §60.11(d) and to correct the malfunction.
- (c) Notification of a force majeure.
- If a force majeure is about to occur, occurs, or has occurred for which the permittee intends to assert a claim of force majeure:
- (1) The Administrator, must be notified in writing as soon as practicable following the date first known, or through due diligence, should have known that the event may cause or caused a delay in conducting a performance test beyond the regulatory deadline The notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification must occur as soon as practicable.
- (2) the permittee must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in conducting the performance test beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the permittee proposes to conduct the

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performance test.

(d) Other notifications and reports required.

The permittee must submit other notifications as provided by 40 C.F.R. § 60.7 of 40 C.F.R. Part 60 and as follows:

- (1) The permittee must notify the Administrator 1 month before starting or stopping use of a continuous monitoring system for determining compliance with any emission limit.
- (2) The permittee must notify the Administrator at least 30 days prior to any performance test conducted to comply with the provisions of 40 C.F.R. Part 62 Subpart LLL, to afford the Administrator the opportunity to have an observer present.
- (3) As specified in 40 C.F.R. § 62.16015(a)(8), the permittee must notify the Administrator at least 7 days prior to the date of a rescheduled performance test for which notification was previously made in paragraph (d)(2) of this section.

## # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.155].

- (a) The owner or operator of any multiple hearth incinerator subject to the provisions of this subpart shall submit to the Department, semi-annually, a report in writing which contains the following:
- (1) A record of average scrubber pressure drop measurements across the multi-stage venturi scrubber for each period of 15 minutes duration or more during which the pressure drop across the scrubbers was less than, by a percentage specified below, the average pressure drop across the scrubbers measured during the most recent performance test. The percent reduction in scrubber pressure drop for which a report is required shall be determined as follows:
- (i) For incinerators that achieved an average particulate matter emission rate of 0.38 kg/Mg (0.75 lb/ton) dry sludge input or less during the most recent performance test, a scrubber pressure drop reduction of more than 30 percent from the average scrubber pressure drop recorded during the most recent performance test shall be reported.
- (ii) For incinerators that achieved an average particulate matter emission rate of greater than 0.38 kg/Mg (0.75 lb/ton) dry sludge input during the most recent performance test, a percent reduction in pressure drop greater than that calculated according to the following equation shall be reported:

P=-111E+72.15

where P=Percent reduction in pressure drop, and E=Average particulate matter emissions (kg/megagram).

- (2) A record of average oxygen content in the incinerator exhaust gas, measured pursuant to 40 C.F.R. § 60.153(b)(2), for each period of 1-hour duration or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3 percent.
- (b) The owner or operator of any multiple hearth sludge incinerator from which the average particulate matter emission rate measured during the performance test required under 60.154(d) exceeds 0.38 g/kg of dry sludge input (0.75 lb/ton of dry sludge input) shall include in the report for each calendar day that a decrease in scrubber pressure drop or increase in oxygen content of exhaust gas, measured pursuant to 40 C.F.R. § 60.153(b)(2), is reported a record of the following:
- (1) Scrubber pressure drop, across the multi-stage venturi scrubber, averaged over each 1-hour incinerator operating period.
  - (2) Oxygen content in the incinerator exhaust averaged over each 1-hour incinerator operating period.
- (3) Temperatures of every hearth in multiple hearth incinerators averaged over each 1-hour incinerator operating period.
- (4) Rate of sludge charged to the incinerator averaged over each 1-hour incinerator operating period.
- (5) Incinerator use of each fuel averaged over each 8-hour incinerator operating period.

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(6) Moisture and volatile solids content of the daily grab sample of sludge charged to the incinerator.

### VI. WORK PRACTICE REQUIREMENTS.

# # 022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.153(a)(1)-(2), (b)(2)-(4) and 40 C.F.R. § 62.15960(d)].

- (a) The permittee shall adhere to the following operational requirements for each incinerator:
- (1) Calibrate, maintain, and operate a flow measuring device which can be used to determine either the mass or volume of sludge charged to the incinerator. The flow measuring device shall be certified by the manufacturer to have an accuracy of plus or minus of 5% over its operating range. The calibration schedule for this device shall be done according to manufacturer's instructions.
- (2) Provide access to the sludge charged so that a well-mixed representative grab sample of the sludge can be obtained.
- (3) Calibrate, maintain, and operate a monitoring device that continuously measures and records the oxygen content of the incinerator exhaust gas. The oxygen monitor shall be located upstream of any rabble shaft cooling air inlet into the incinerator exhaust gas stream, fan, ambient air recirculation damper, or any other source of dilution air. The oxygen monitoring device shall be certified by the manufacturer to have a relative accuracy of +-5% over its operating range and shall be calibrated according to method(s) prescribed by the manufacturer at least once each 24-hour operating period.

Note: The permittee may submit to and have approved by the EPA an alternate monitoring procedure for the oxygen content of the incinerator exhaust gas.

- (4) Calibrate, maintain, and operate temperature measuring devices at every hearth in each multiple hearth incinerator. a minimum of 1 temperature measuring device shall be installed in the cooling (hearths 7,8) and drying hearths (1,2) and a minimum of 2 temperature measuring devices in each hearth in the combustion zone. Each temperature measuring device shall be certified by the manufacturer to have an accuracy of +-5% over its operating range. The calibration schedule for this device shall be done according to manufacturer's instructions.
- (5) Each temperature monitoring device shall be operated continuously and data recorded during all periods of operation of the incinerator.
- (6) Calibrate, maintain, and operate a device for measuring the natural gas fuel flow to each incinerator. The flow measuring device shall be certified by the manufacturer to have an accuracy of +-5% over its operating range. The fuel flow measuring device shall be operated continuously and data recorded during all periods of operation of the incinerator.
- (7) Calibrate, maintain, and operate a device that measures and records the total hydrocarbons concentration in the incinerator stack. This incinerator stack is the final stack, S12, to which both incinerators discharge. The instrument shall:
  - (i) employ a flame ionization detector;
- (ii) have a heated sampling line maintained at a temperature of 150 degrees Celsius (302 degrees F) or higher at all times;
  - (iii) be calibrated at least once every 24-hour operating period using propane.
- (8) Calibrate, maintain, and operate a device that measures and records information used to determine the moisture content in the incinerator stack exit gas.
- (9) Calibrate, maintain, and operate a device that measures and records information used to determine the oxygen content in the incinerator stack exit gas.

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- (10) Calibration of this instrumentation shall be performed according manufacturer's instructions and according to good air pollution control practices.
- (b) In accordance with 40 C.F.R. § 62.15960(d), the permittee must meet the operating requirements in its site-specific fugitive emissions monitoring plan, submitted as specified in 40 C.F.R. § 62.15995(d).

## # 023 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall implement operation and maintenance practices required to minimize air infiltration into the combustion exhaust gas stream. The practices shall be part of the standard operating practices for the incinerators.

## # 024 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. §§ 62.16015(c) and 62.15990.]

- (a) The permittee must conduct air pollution control device inspections on an annual basis that include, at a minimum, the following:
  - (1) Inspect air pollution control device(s) for proper operation.
  - (2) Generally observe that the equipment is maintained in good operating condition.
- (3) Develop a site-specific monitoring plan according to the requirements in 40 C.F.R. § 62.15995. This requirement also applies to if the permittee petitions the EPA Administrator for alternative monitoring parameters under 40 C.F.R. § 60.13(i).
- (b) Within 10 operating days following the air pollution control device inspection under paragraph (a) of this section, all necessary repairs must be completed unless the permittee obtains written approval from the Administrator establishing a date whereby all necessary repairs of the SSI unit must be completed

# # 025 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16015(d).]

Use of the bypass stack at any time that sewage sludge is being charged to the SSI unit is an emissions standards deviation for all pollutants listed in Table 3 of 40 C.F.R. Part 62, Subpart LLL. The use of the bypass stack during a performance test invalidates the performance test.

# # 026 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.15995.]

The permittee must develop and submit to the Administrator for approval a site-specific monitoring plan for each continuous monitoring system required under 40 C.F.R. Part 62, Subpart LLL, according to the requirements in paragraphs (a) and (b) of this section.

- (a) For each continuous monitoring system, the monitoring plan must address the elements and requirements specified in paragraphs (a)(1) through (8) of this section. The permittee must operate and maintain the continuous monitoring system in continuous operation according to the site-specific monitoring plan.
- (1) Installation of the continuous monitoring system sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device).
- (2) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer and the data collection and reduction systems.
  - (3) Performance evaluation procedures and acceptance criteria (e.g., calibrations).

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- (i) For continuous parameter monitoring systems, the performance evaluation and acceptance criteria must include, but is not limited to, the following:
- (A) If there is an operating limit that requires the use of a flow monitoring system, the permittee must meet the requirements in paragraphs (A)(1) through (4) of this section.
  - (1) Install the flow sensor and other necessary equipment in a position that provides a representative flow.
- (2) Use a flow sensor with a measurement sensitivity of no greater than 2-percent of the expected process flow rate.
- (3) Minimize the effects of swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.
- (4) Conduct a flow monitoring system performance evaluation in accordance with the monitoring plan at the time of each performance test but no less frequently than annually.
- (B) If there is an operating limit that requires the use of a pressure monitoring system, the requirements in paragraphs (B)(1) through (6) of this section must be met.
- (1) Install the pressure sensor(s) in a position that provides a representative measurement of the pressure (e.g., particulate matter scrubber pressure drop).
  - (2) Minimize or eliminate pulsating pressure, vibration, and internal and external corrosion.
- (3) Use a pressure sensor with a minimum tolerance of 1.27 centimeters of water or a minimum tolerance of 1-percent of the pressure monitoring system operating range, whichever is less.
- (4) Perform checks at least once each process operating day to ensure pressure measurements are not obstructed (e.g., check for pressure tap pluggage daily).
- (5) Conduct a performance evaluation of the pressure monitoring system in accordance with the facility's monitoring plan at the time of each performance test but no less frequently than annually.
- (6) If at any time the measured pressure exceeds the manufacturer's specified maximum operating pressure range, conduct a performance evaluation of the pressure monitoring system in accordance with the monitoring plan and confirm that the pressure monitoring system continues to meet the performance requirements in the monitoring plan. Alternatively, install and verify the operation of a new pressure sensor.
- (C) If there is an operating limit that requires a pH monitoring system, the requirements in paragraphs (C)(1) through (4) of this section must be met.
  - (1) Install the pH sensor in a position that provides a representative measurement of scrubber effluent pH.
  - (2) Ensure the sample is properly mixed and representative of the fluid to be measured.
- (3) Conduct a performance evaluation of the pH monitoring system in accordance with the monitoring plan at least once each process operating day.
- (4) Conduct a performance evaluation (including a two-point calibration with one of the two buffer solutions having a pH within 1 of the operating limit pH level) of the pH monitoring system in accordance with the monitoring plan at the time of each performance test but no less frequently than quarterly.
- (D) If there is an operating limit that requires the use of a temperature measurement device, the requirements in paragraphs (D)(1) through (3) of this section must be met.
  - (1) Install the temperature sensor and other necessary equipment in a position that provides a representative

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temperature.

- (2) Use a temperature sensor with a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit), or 1.0-percent of the temperature value, whichever is larger, for a noncryogenic temperature range.
- (3) Conduct a temperature measurement device performance evaluation at the time of each performance test but no less frequently than annually.
- (E) If there is an operating limit that requires a secondary electric power monitoring system for an electrostatic precipitator, the permittee must meet the requirements in paragraphs (E)(1) and (2) of this section.
  - (1) Install sensors to measure (secondary) voltage and current to the electrostatic precipitator collection plates.
- (2) Conduct a performance evaluation of the electric power monitoring system in accordance with the facility's monitoring plan at the time of each performance test but no less frequently than annually.
- (4) Ongoing operation and maintenance procedures in accordance with the general requirements of § 60.11(d) of 40 C.F.R. Part 60.
- (5) Ongoing data quality assurance procedures in accordance with the general requirements of § 60.13 of 40 C.F.R. Part 60.
- (6) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 C.F.R. §§ 60.7(b), (c) introductory text, (c)(1), (c)(4), (d), (e), (f), and (g) of 40 C.F.R. Part 60.
  - (7) Provisions for periods when the continuous monitoring system is out of control, as follows:
    - (i) A continuous monitoring system is out of control if the conditions of paragraph (i)(A) or (B) of this section are met.
- (A) The zero (low-level), mid-level (if applicable), or high-level calibration drift exceeds two times the applicable calibration drift specification in the applicable performance specification or in the relevant standard.
- (B) The continuous monitoring system fails a performance test audit (e.g., cylinder gas audit), relative accuracy audit, relative accuracy test audit or linearity test audit.
- (ii) When the continuous monitoring system is out of control as specified in paragraph (a)(7)(i) of this section, the permittee must take the necessary corrective action and must repeat all necessary tests that indicate that the system is out of control. The permittee must take corrective action and conduct retesting until the performance requirements are below the applicable limits. The beginning of the out-of-control period is the hour a performance check (e.g., calibration drift) indicates an exceedance of the performance requirements established under 40 C.F.R. Part 62, Subpart LLL. The end of the out-of-control period is the hour following the completion of corrective action and successful demonstration that the system is within the allowable limits.
  - (8) Schedule for conducting initial and periodic performance evaluations for continuous monitoring systems.
- (b) The permittee must conduct an initial performance evaluation of each continuous monitoring system, in accordance with the monitoring plan and § 60.13(c) of 40 C.F.R. Part 60. The initial performance evaluation of each continuous monitoring system must be completed within 60 days of installation of the monitoring system.
- (c) The permittee must submit a monitoring plan specifying the ash handling system operating procedures that will be followed to ensure that the fugitive emissions limit specified in Table 3 of 40 C.F.R. Part 62, Subpart LLL is met.
- (d) The permittee may submit an application to the Administrator for approval of alternate monitoring requirements to demonstrate compliance with the standards of 40 C.F.R. Part 62, Subpart LLL, subject to the provisions of paragraphs (e)(1) through (6) of this section.
  - (1) The Administrator will not approve averaging periods other than those specified in this section, unless the permittee

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documents, using data or information, that the longer averaging period will ensure that emissions do not exceed levels achieved over the duration of three performance test runs.

- (2) If the application to use an alternate monitoring requirement is approved, the permittee must use the original monitoring requirement until approval is received to use another monitoring requirement.
- (3) The permittee must submit the application for approval of alternate monitoring requirements no later than the notification of performance test. The application must contain the information specified in paragraphs (e)(3)(i) through (iii) of this section:
- (i) Data or information justifying the request, such as the technical or economic infeasibility, or the impracticality of using the required approach.
- (ii) A description of the proposed alternative monitoring requirement, including the operating parameter to be monitored, the monitoring approach and technique, the averaging period for the limit, and how the limit is to be calculated.
- (iii) Data or information documenting that the alternative monitoring requirement would provide equivalent or better assurance of compliance with the relevant emission standard.
- (4) The Administrator will notify the permittee of the approval or denial of the application within 90 calendar days after receipt of the original request, or within 60 calendar days of the receipt of any supplementary information, whichever is later. The Administrator will not approve an alternate monitoring application unless it would provide equivalent or better assurance of compliance with the relevant emission standard. Before disapproving any alternate monitoring application, the Administrator will provide the following:
  - (i) Notice of the information and findings upon which the intended disapproval is based.
- (ii) Notice of opportunity for the permittee to present additional supporting information before final action is taken on the application. This notice will specify how much additional time is allowed for the permittee to provide additional supporting information.
- (5) The permittee is responsible for submitting any supporting information in a timely manner to enable the Administrator to consider the application prior to the performance test. Neither submittal of an application, nor the Administrator's failure to approve or disapprove the application relieves you of the responsibility to comply with any provision of 40 C.F.R. Part 62, Subpart LLL.
- (6) The Administrator may decide at any time, on a case-by-case basis, that additional or alternative operating limits, or alternative approaches to establishing operating limits, are necessary to demonstrate compliance with the emission standards of 40 C.F.R. Part 62, Subpart LLL.
- (e) The permittee must update and resubmit the monitoring plan if there are any changes or potential changes in the monitoring procedures or if there is a process change, as defined in 40 C.F.R. § 62.16045.

## # 027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16005 and Table 4 of 40 C.F.R. Part 62, Subpart LLL.]

In accordance with Table 4 of 40 C.F.R. Part 62, Subpart LLL, the permittee shall monitor and record the following operating parameters:

(a) data measurement

(1) measured on a continuous basis: regenerative thermal oxidizer temperature pressure drop across each wet scrubber liquid flow rate to each wet scrubber each scrubber liquid pH (outlet)

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# SECTION E. Source Group Restrictions.

secondary voltage to electrostatic precipitator plates secondary amperage to the electrostatic precipitator plates

- (2) measured on an hourly basis influent water flow rate at the outlet of the electrostatic precipitator
- (b) data recording(1) every 15 minutesregenerative thermal oxidizer temperature

pressure drop across each wet scrubber liquid flow rate to each wet scrubber each scrubber liquid pH (outlet)

- (2) every 1 hour secondary voltage to electrostatic precipitator plates secondary amperage to the electrostatic precipitator plates
- (c) data averaging period for compliance
- (1) 12-hour block

regenerative thermal oxidizer temperature
pressure drop across each wet scrubber
liquid flow rate to each wet scrubber
secondary voltage to electrostatic precipitator
secondary amperage to the electrostatic precipitator

(2) 3-hour block each scrubber liquid pH (outlet)

## # 028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. §§ 62.15960, 62.15985 and 62.16000.]

The permittee must establish operating limits for applicable operating parameters during initial or subsequent performance evaluations. These operating limits apply until the sewage sludge to the incinerator has been cut off for a period of time not less than the sewage sludge incinerator residence time. The permittee may conduct a repeat performance test at any time to establish new values for operating limits. The operating parameters to be monitored for which limits are set are:

(a) Minimum pressure drop across each wet scrubber used to meet particulate matter, lead and cadmium limits:

Equal to the lowest 4-hour average pressure drop across each wet scrubber measured during the most recent performance test demonstrating compliance with the particulate matter, lead and cadmium emission limits

(b) Minimum scrubber liquid flow rate (measured at the inlet to each wet scrubber):

Equal to the lowest 4-hour average liquid flow rate measured during the most recent performance test demonstrating compliance with all applicable emission limits.

(c) Minimum scrubber liquid pH for each wet scrubber used to meet the sulfur dioxide or hydrogen chloride emission limits:

Equal to the lowest 1-hour average scrubber liquid pH measured during the most recent performance test demonstrating compliance with the sulfur dioxide and hydrogen chloride emission limits.

(d) Minimum regenerative thermal oxidizer temperature:

Equal to the lowest 4-hour average thermal oxidizer operating temperature, measured during the most recent performance test demonstrating compliance with all applicable emission limits.

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#### SECTION E. **Source Group Restrictions.**

(e) Minimum power input to the electrostatic precipitator collection plates:

Equal to the lowest 4-hour average secondary electric power measured during the most recent performance test demonstrating compliance with the particulate matter, lead and cadmium emission limits. Power input must be calculated as the product of the secondary voltage and secondary amperage to the electrostatic precipitator collection plates. Both the secondary voltage and secondary amperage must be recorded during the performance test.

(f) Minimum influent water flow rate at the inlet of the electrostatic precipitator:

Equal to the lowest 4-hour average influent water flow rate at the inlet of the electrostatic precipitator measured during the most recent performance test demonstrating compliance with the particulate matter, lead and cadmium emission limits.

#### # 029 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code 127 .12(a)(5).]

The permittee shall ensure that the following operational parameters are maintained at all times for this incinerator:

- (a) Each fuel burner shall be installed, maintained, and operated in accordance with the manufacturer's specifications and good air pollution control practices.
- (b) The entire air pollution control train including scrubbers, wet electrostatic precipitator and regenerative thermal oxidizer shall continue to be operated for a minimum of 1 hour after sludge charging to the incinerator ceases.
- (c) A training plan shall be maintained and training shall be provided to all persons who operate the incinerator. The plan shall be based on good air pollution control practices, good engineering practices, good operational practices, and operational instructions according to the manufacturer's specifications. Persons who have not satisfactorily completed the training program shall be prohibited from operating the incinerator.

The training plan shall conform to the training plan of 40 C.F.R. Part 62, Subpart LLLL, as described in Section E - Operator Training.

(d) The fourteen fuel burners are to be fired only on natural gas supplied by a utility.

### [25 Pa. Code §127.441]

### Operating permit terms and conditions.

If the permittee proposes to EPA, an alternate oxygen monitoring method for incinerator exhaust gas in order to comply with 40 C.F.R. § 60.153(b)(2), the permittee shall adhere to the requirements of the EPA approved plan.

#### # 031 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

- (a) When sludge is being charged to this incinerator, the incinerator exhaust gas shall be directed in series to a Quench and Multiple Venturi Scrubber, a Wet Electrostatic Precipitator, and a Regenerative Thermal Oxidizer.
- (b) A warm up sequence for incinerator during which the control devices may be bypassed is allowed, provided no sludge is charged to the incinerator during this time.
- (c) During cooldown, incinerator exhaust gas shall continue to be directed to the air pollution control system train in paragraph (a) for a minimum of 1 hour after sludge is no longer charged to the incinerator.

#### # 032 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16005.]

(a) The permittee must continuously monitor the operating parameters using the continuous monitoring equipment and according to the procedures specified in 40 C.F.R. § 62.16020. The permittee must demonstrate that the SSI unit meets the operating limits established according to 40 C.F.R. § 62.15985 and paragraph (d) of this section for each applicable





operating parameter. To determine compliance, the data averaging period specified in Table 4 to 40 C.F.R. Part 62, Subpart LLL of 12-hour block periods for all parameters listed below and 3-hour block periods for pH shall be used.

regenerative thermal oxidizer temperature (minimum) pressure drop across each wet scrubber (minimum) liquid flow rate to each wet scrubber (minimum) each scrubber liquid pH (outlet) (minimum) power input to electrostatic precipitator (minimum) (as product of secondary voltage and secondary amperage) influent flow rate from electrostatic precipitator (minimum)

- (b) Operation below the established minimum, constitutes a deviation from the operating limits established under 40 C.F.R. Part 62, Subpart LLL, except during performance tests conducted to determine compliance with the emission and operating limits or to establish new operating limits. The permittee must submit the deviation report specified in 40 C.F.R. § 62.16030(d) for each instance that one of your operating limits established under 40 C.F.R. Part 62, Subpart LLL was not met
- (c) The permittee must submit the annual compliance report specified in 40 C.F.R. § 62.16030(c) to demonstrate continuous compliance.
- (d) The permittee must confirm the operating limits according to paragraph (d)(1) of this section or re-establish operating limits according to paragraph (d)(2) of this section. The operating limits must be established so as to assure ongoing compliance with the emission limits. These requirements also apply to the operating requirements in the fugitive emissions monitoring plan specified in 40 C.F.R. § 62.15960(d).
- (1) The operating limits must be based on operating data recorded during any performance test required in 40 C.F.R. § 62.16000(a) or any performance evaluation required in 40 C.F.R. § 62.16000(b)(4).
- (2) The permittee may conduct a repeat performance test at any time to establish new values for the operating limits to apply from that point forward.

#### # 033 [25 Pa. Code §127.441]

# Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. § 61.55(a).]

If mercury emissions exceed 1.6 kg (3.5 lb) per 24-hour period, demonstrated either by stack sampling according to 40 C.F.R. § 61.53 or sludge sampling according to 40 C.F.R. § 61.54, the permittee shall monitor mercury emissions at intervals of at least once per year by use of Method 105 of appendix B or the procedures specified in 40 C.F.R. §§ 61.53 (d) (2) and (4). The results of monitoring shall be reported and retained according to 40 C.F.R. §§ 61.53(d) (5) and (6) or 40 C.F.R. §§ 61.54 (f) and (g).

Note: Compliance with the limit of 0.28 mg per dry cubic meter in 40 C.F.R. § 62.15955 will assure that the mercury emissions are below the above limit at the stack flow rates of the incinerators.

#### # 034 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

The stack oxygen CEM system shall be operated and maintained in accordance with the applicable provisions of 40 C.F.R. Part 60, Appendices B and F.

#### # 035 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code § 127.36.]

(a) The concentration of the following metals in the sludge fed to the incinerator shall not exceed the following monthly averages. The permittee may accept sludge generated by outside sources to be incinerated, if the average monthly concentrations of the following metals in the sludge fed to the incinerator are not exceeded.

Arsenic: 50.0 mg/kg dry sludge

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Cadmium: 55.0 mg/kg dry sludge Chromium: 2000.0 mg/kg dry sludge Lead: 550.0 mg/kg dry sludge Nickel: 420.0 mg/kg dry sludge

(b) The above limits apply until new limits for the monthly average allowable concentration of the contaminants listed in part (a) are calculated from the control efficiency and dispersion factors.

## VII. ADDITIONAL REQUIREMENTS.

# 036 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the emission guidelines, compliance times and other requirements for existing sewage sludge incineration units in accordance with a federal plan for Pennsylvania provided under 40 C.F.R. Part 62, Subpart LLL.

\*\*\* Permit Shield in Effect. \*\*\*

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Group Name: INCINERATORS

Group Description:

Sources included in this group

ID	Name
001	SEWAGE SLUDGE INCINERATOR 1
002	SEWAGE SLUDGE INCINERATOR 2

#### I. RESTRICTIONS.

### **Emission Restriction(s).**

### # 001 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) The combined VOC emissions from both Sewage Sludge incinerators, Source IDs 001 and 002, shall not exceed 4.0 tons/year, calculated on a 12-month rolling basis.
- (b) The Department reserves the right to modify the limitation in paragraph (a) and add additional restrictions based on results from stack testing data developed under this Operating Permit and other information presented by the permittee.

### Fuel Restriction(s).

### # 002 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

The permittee shall ensure that the auxiliary fuel burners for this source are fired only with natural gas supplied by a public utility.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

### # 003 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

The permittee shall keep a current, valid purchase contract, indicating the name of the natural gas supplier and a specification of the maximum total sulfur content of the natural gas fuel.

### # 004 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

- (a) The permittee shall calculate and record the VOC emissions from both incinerators, Source IDs 001 and 002, on a monthly and on a 12-month rolling basis in order to show compliance with the limitation in Condition #001 of this section.
- (b) Either data acquired during the continuous THC monitoring and recordkeeping for each incinerator or data from the most recent stack test may be used in performing calculations for this section.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

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### VII. ADDITIONAL REQUIREMENTS.

# 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following is a summary of the capacities and locations of the fuel burners in each incinerator:

Heart	h Number of Burners	Size, MMBtu/hr
#2	2	2.2
#2	2	2.2
#3	2	2.7
#4	2	2.7
#5	2	2.7
#6	2	2.7
#8	2	2.7

<sup>\*\*\*</sup> Permit Shield in Effect. \*\*\*

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Group Name: **OPERATOR TRAINING** 

Group Description: 40 CFR Part 62 Subpart LLL Operator Training Requirements for SSI's

Sources included in this group

ID	Name
001	SEWAGE SLUDGE INCINERATOR 1
002	SEWAGE SLUDGE INCINERATOR 2

#### RESTRICTIONS.

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

#### II. TESTING REQUIREMENTS.

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

#### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. § 62.15950(a)].

The permittee must maintain at the facility the documentation of the operator training procedures specified under 40 C.F.R. § 62.15920(c)(1) and make the documentation readily accessible to all SSI unit operators.

[25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16025(c).]

The permittee shall keep documentation of the operator training procedures and records specified in paragraphs (a) through (d) of this condition. The documentation specified in paragraph (a) of this condition must be available and readily accessible at the facility at all times for all SSI unit operators.

- (a) Documentation of the following operator training procedures and information:
  - (1) Summary of the applicable standards under 40 C.F.R. Part 62, Subpart LLL.
  - (2) Procedures for receiving, handling and feeding sewage sludge.
  - (3) Incinerator startup, shutdown, and malfunction preventative and corrective procedures.
  - (4) Procedures for maintaining proper combustion air supply levels.
- (5) Procedures for operating the incinerator and associated air pollution control systems within the standards established under 40 C.F.R. Part 62, Subpart LLL.
  - (6) Monitoring procedures for demonstrating compliance with the incinerator operating limits.
  - (7) Reporting and recordkeeping procedures.
  - (8) Procedures for handling ash.
  - (9) A list of the materials burned during the performance test, if in addition to sewage sludge.

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- (10) For each qualified operator and other plant personnel who may operate the unit according to the provisions of 40 C.F.R. §62.15945(a), the phone and/or pager number at which they can be reached during operating hours.
- (b) Records showing the names of SSI unit operators and other plant personnel who may operate the unit according to the provisions of 40 C.F.R. §62.15945(a), as follows:
- (1) Records showing the names of SSI unit operators and other plant personnel who have completed review of the information in paragraph (1) of this section as required by 40 C.F.R § 62.15950(b), including the date of the initial review and all subsequent annual reviews.
- (2) Records showing the names of the SSI unit operators who have completed the operator training requirements under 40 C.F2.R. § 62.15920, met the criteria for qualification under 40 C.F.R. § 62.15930, and maintained or renewed their qualification under 40 C.F.R. § 62.15935 or 40 C.F.R. § 62.15940. Records must include documentation of training, including the dates of their initial qualification and all subsequent renewals of such qualifications.
- (c) Records showing the periods when no qualified operators were accessible for more than 8 hours, but less than 2 weeks, as required in 40 C.F.R. § 62.15945(a).
- (d) Records showing the periods when no qualified operators were accessible for 2 weeks or more along with copies of reports submitted as required in 40 C.F.R.  $\S$  62.15945(b).

### V. REPORTING REQUIREMENTS.

# # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16030 (e).]

The permittee must report a qualified operator deviation as follows:

- (a) If all qualified operators are not accessible for 2 weeks or more, the permittee must take the two actions in paragraphs (a)(1) and (2) of this section.
- (1) Submit a notification of the deviation within 10 days that includes the three items in paragraphs (a)(1)(i) through (iii) of this section.
  - (i) A statement of what caused the deviation.
  - (ii) A description of actions taken to ensure that a qualified operator is accessible.
  - (iii) The date when the permittee anticipates that a qualified operator will be available.
- (2) Submit a status report to the Administrator every 4 weeks that includes the three items in paragraphs (a)(2)(i) through (iii) of this section.
  - (i) A description of actions taken to ensure that a qualified operator is accessible.
  - (ii) The date when you anticipate that a qualified operator will be accessible.
  - (iii) Request for approval from the Administrator to continue operation of the SSI unit.
- (b) If the unit was shut down by the Administrator, under the provisions of 40 C.F.R. § 62.15945(b)(2)(i), due to a failure to provide an accessible qualified operator, the permittee must notify the Administrator within five days of meeting 40 C.F.R. § 62.15945(b)(2)(ii) that operation is being resumed.





### VI. WORK PRACTICE REQUIREMENTS.

### # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. §§ 62.15920(a) and 62.15945(a) - (b).]

- (a) An SSI unit cannot be operated unless a fully trained and qualified SSI unit operator is accessible, either at the facility or can be at the facility within 1 hour. The trained and qualified SSI unit operator may operate the SSI unit directly or be the direct supervisor of one or more other plant personnel who operate the unit. If all qualified SSI unit operators are temporarily not accessible, the permittee shall follow the procedures in (b) or (c) of this section (40 C.F.R. §§ 62.15945 (a) and (b)), depending on the length of time that a qualified operator is not accessible.
- (b) When a qualified operator is not accessible for more than 8 hours, the SSI unit may be operated for less than 2 weeks by other plant personnel who are familiar with the operation of the SSI unit and who have completed a review of the information specified in 40 C.F.R. § 62.15950 (Condition #006(1)) within the past 12 months. However, the permittee must record the period when a qualified operator was not accessible and include this deviation in the annual report as specified under 40 C.F.R. § 62.16030(c).
- (c) When a qualified operator is not accessible for 2 weeks or more, the permittee must take the two actions that are described in paragraphs (c)(1) and (2) of this section:
- (1) Notify the Administrator of this deviation in writing within 10 days. In the notice, state what caused this deviation, what the permittee is doing to ensure that a qualified operator is accessible, and when the permittee anticipates that a qualified operator will be accessible; and
- (2) Submit a status report to the Administrator every 4 weeks outlining what the permittee is doing to ensure that a qualified operator is accessible, stating when the permittee anticipates that a qualified operator will be accessible and requesting approval from the Administrator to continue operation of the SSI unit. The permittee must submit the first status report 4 weeks after the Administrator is notified of the deviation under paragraph (c)(1) of this section:
- (i) If the Administrator notifies the permittee that the request to continue operation of the SSI unit is disapproved, the SSI unit may continue operation for 30 days and then must cease operation; and
- (ii) Operation of the unit may resume if a qualified operator is accessible as required under 40 C.F.R. § 62.15920(a)(part (a) of this condition). The permittee must notify the Administrator within 5 days of having resumed operations and of having a qualified operator accessible.

### # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. § 62.15950(b).]

The permittee must establish a program for reviewing the information listed in 40 C.F.R. § 62.15920(c)(1) with each qualified incinerator operator and other plant personnel who may operate the unit according to the provisions of 40 C.F.R. § 62.15945(a), according to the following schedule:

- (1) The initial review of the information listed in 40 C.F.R. § 62.15920(c)(1) must be conducted by November 30, 2016, or prior to an employee's assumption of responsibilities for operation of the SSI unit, whichever date is later; and
- (2) Subsequent annual reviews of the information listed in 40 C.F.R. § 62.15920(c)(1) must be conducted no later than 12 months following the previous review.

### VII. ADDITIONAL REQUIREMENTS.

# 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. §§ 62.15920(b) and (c).]

Operator training and qualification must be obtained through a state-approved program or by completing the requirements

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included in paragraphs (a) through (c) of this section at a minimum.

- (a) Training on the 10 subjects listed in paragraphs (a)(1) through (10) of this section:
- (1) Environmental concerns, including types of emissions;
- (2) Basic combustion principles, including products of combustion;
- (3) Operation of the specific type of incinerator to be used by the operator, including proper startup, sewage sludge feeding and shutdown procedures;
- (4) Combustion controls and monitoring;
- (5) Operation of air pollution control equipment and factors affecting performance (if applicable);
- (6) Inspection and maintenance of the incinerator and air pollution control devices;
- (7) Actions to prevent malfunctions or to prevent conditions that may lead to malfunctions;
- (8) Bottom and fly ash characteristics and handling procedures;
- (9) Applicable federal, state and local regulations, including Occupational Safety and Health Administration workplace standards; and
- (10) Pollution prevention.
- (b) An examination designed and administered by the state-approved program or instructor administering the subjects in paragraph (a) of this section.
- (c) Written material covering the training course topics that may serve as reference material following completion of the course.

#### # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. §§ 62.15925 and 62.15875(a).]

The operator training course must be completed by the later of the final compliance date of March 21, 2016; or, six months after an employee assumes responsibility for operating the SSI unit or assumes responsibility for supervising the operation of the SSI unit.

#### # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. § 62.15930.]

- (a) operator qualification must be obtained by completing a training course that satisfies the criteria under 40 C.F.R. § 62.15920(b).
- (b) Qualification is valid from the date on which the training course is completed and the operator successfully passes the examination required under 40 C.F.R. § 62.15920(c)(2).

#### # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. § 62.15935.]

To maintain qualification, an operator must complete an annual review or refresher course covering, at a minimum, the five topics described in paragraphs (a) through (e) of this section:

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- (a) Update of regulations;
- (b) Incinerator operation, including startup and shutdown procedures, sewage sludge feeding and ash handling;
- (c) Inspection and maintenance;
- (d) Prevention of malfunctions or conditions that may lead to malfunction; and
- (e) Discussion of operating problems encountered by attendees.

### # 010 [25 Pa. Code §127.441]

### Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. § 62.15940.]

A lapsed operator must renew his or her operator qualification before he or she begins operation of an SSI unit. One of the two methods specified in paragraphs (a) and (b) of this section shall be used:

- (a) For a lapse of less than 3 years, the standard annual refresher course described in 40 C.F.R. § 62.15935 shall be taken; and
- (b) For a lapse of 3 years or more, the initial qualification requirements in 40 C.F.R. § 62.15920 shall be taken.

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Group Name: QUENCH & RING JET

Group Description: C06 and C07 Sources included in this group

ID	Name
C06	QUENCH & MULTI-VENTURI SCRUBBER SSI 001
C07 QUENCH & MULTI-VENTURI SCRUBBER SSI 002	

#### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

#### III. MONITORING REQUIREMENTS.

### # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is from 40 C.F.R. § 60.153(b)(1).]

The permittee shall continuously perform the following monitoring:

- (a) pressure drop (in. w.c.) across the Multi-Stage Venturi Scrubber, as well as across each stage, which includes the following:
- (1) Quench Stage;
- (2) Packed Bed Stage; and
- (3) Ring Jet Stage.
- (b) the effluent scrubber water pH
- (c) the water flow rate (gpm) to the Multi-Stage Venturi Scrubber, as well as the flow rate at each stage, which includes the following:
- (1) Quench Stage;
- (2) Packed Bed Stage; and
- (3) Ring Jet Stage.
- (d) The permittee shall calculate:
- (1) hourly averages of the parameters recorded in Condition # 002(a)(1), (a)(2), (b), (c)(1), (c)(2), (c)(3), (d)(1), (d)(2) and (d)(3).
- (2) 12-hour block averages of the hourly averages for the following parameters:
- (i) Pressure drop across the quench stage
- (ii) Pressure drop across the packed bed stage
- (iii) Pressure drop across the ring jet stage
- (iv) Water flow rate for the quench stage
- (v) Water flow rate for the packed bed stage
- (vi) Water flow rate for the ring jet stage
- (e) The Department reserves the right to modify the monitoring requirements based on information developed during the shakedown period and as provided by the permittee.

### IV. RECORDKEEPING REQUIREMENTS.

# 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is from 40 C.F.R. § 60.153(c)(1).]

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The permittee shall record the following monitoring data:

- (a) Pressure drop (in. w.c.) across the Multi-Stage Venturi Scrubber, as well as across each stage which includes:
- (1) the quench section of the Multi-Venturi Scrubber (Impingement Plates or Packed Bed), every 15 minutesl;
- (2) the Ring Jet Section, every 15 minutes; and
- (3) the combination of the Quench Section and the Ring Jet Scrubber, continuously, pursuant to 40 C.F.R. § 60.153(c)(1).
- (b)
- (1) the hourly average of the pressure drop readings in paragraph (a)(1) and (a)(2)
- (2) the 12-hour block average of the hourly pressure drop readings for the Quench Section (Impingement Plate or Packed Bed) and for the Ring Jet Section.
- (c)
- (1) the scrubber effluent water pH, every 15 minutes
- (2) the hourly average of the scrubber effluent water pH
- (3) the 3-hour block average of the hourly average of the scrubber effluent water pH
- (d) the water flow rate to the following equipment in gallons per minute (gpm), every 15 minutes:
- (1) Quench Water
- (2) Quench Section Water (Impingement Plate or Packed Bed)
- (3) Ring Jet Throat Water
- (e)
- (1) the hourly average of the water rate readings in paragraph (d)(1), (d)(2) and (d)(3) for the Quench, Quench Section (Impingement Plate or Packed Bed) and for the Ring Jet Scrubber
- (2) the 12-hour block average of the hourly water rate readings for the Quench, the Quench Section (Impingement Plate or Packed Bed) and for the Ring Jet Section.
- (f) Recordkeeping pursuant to modifications in monitoring made pursuant to Condition #001(e), as requested by the Department.

### V. REPORTING REQUIREMENTS.

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

#### VI. WORK PRACTICE REQUIREMENTS.

### # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall ensure that the following operating parameters are maintained:
- (1) pressure drop across each wet scrubber (in. w.c.)
- (i) C06: 21.6
- (ii) C07: 20.5
- (2) liquid flow rate (gpm)
- (i) C06: 872
- (ii) C07 870
- (3) scrubber liquid pH (outlet)
- (i) C06: 4.8
- (ii) C07: 4.1
- (b) The above ranges shall be confirmed and refined during the shakedown period and performance testing. Values will be finanlized before incorporating in an operating permit based on a minimum of 6 months of data, and values during performance testing.
- (c) Once established, compliance with the above ranges shall be demonstrated on the basis of a 12-hour block average for

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all parameters except pH. Compliance with pH shall be on the basis of a 3-hour block average.

### # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate and maintain the necessary instrumentation to allow the monitoring in Condition #001 of this section to be performed.

# # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.153] Subpart O - Standards of Performance for Sewage Treatment Plants Monitoring of operations.

[Additional authority for this condition is from 25 Pa. Code § 127.411]

(a) Pursuant to 40 C.F.R. § 60.153(b)(1) the permittee shall,

For incinerators equipped with a wet scrubbing device, install, calibrate, maintain and operate a monitoring device that continuously measures and records the pressure drop of the gas flow through the wet scrubbing device.

Where a combination of wet scrubbers is used in series, the pressure drop of the gas flow through the combined system shall be continuously monitored.

The device used to monitor scrubber pressure drop shall be certified by the manufacturer to be accurate within ±250 pascals (±1 inch water gauge) and shall be calibrated on an annual basis in accordance with the manufacturer's instructions.

(b) The instrument for monitoring pressure drop shall measure the pressure drop across the entirety of the multi-stage venturi scrubber process unit.

### VII. ADDITIONAL REQUIREMENTS.

# # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source comprises a quench section, a condenser section consisting of either a Impingement tray or packed bed and a Ring Jet Section. The manufacturer shall be Envirocare, Hitachi or equivalent and the design inlet volume 50,800 acfm at 1000 F.

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Group Name: **RTO** 

Group Description: C12 and C13 Sources included in this group

	ID	Name
C12 REGENERATIVE THERMAL OXIDIZER SSI 001		
C13 REGENERATIVE THERMAL OXIDIZER SSI 002		

#### RESTRICTIONS.

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

#### II. TESTING REQUIREMENTS.

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

#### III. MONITORING REQUIREMENTS.

### [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall continuously perform the following monitoring:
- (1) temperature of the combustion chamber of the regenerative thermal oxidizer, in degrees F
- (b) The permittee shall calculate:
- (1) hourly averages of the combustion chamber temperature recorded in Condition # 002 (b)
- (2) 12-hour block averages:

the hourly average of the combustion chamber temperature calculated for paragraph (b)(1) of this condition.

### IV. RECORDKEEPING REQUIREMENTS.

#### # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following monitoring data:

- (a) combustion chamber temperature, every 15 minutes
- (b) the hourly average of the combustion chamber temperatures in paragraph (a) of this condition
- (d) the 12-hour block average of:
- (1) the hourly average combustion zone temperatures of the thermal oxidizer

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

### [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain the minimum combustion chamber temperature of each RTO as follows:

C12: 1479 F C13: 1486 F

(b) compliance with the above ranges shall be demonstrated on the basis of a 12-hour block average.

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#### # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate and maintain the necessary instrumentation to conduct the monitoring in Condition #001.

### VII. ADDITIONAL REQUIREMENTS.

# 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source comprises a regenerative thermal oxidizer manufactured by MegTec, Nestec, Durr or equivalent of approximately 16,000 acfm (at 100F) design inlet volume and 3 MMBtu/hr rated capacity.

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Group Name: **TESTING** Group Description: 001 and 002 Sources included in this group

	ID	Name
001 SEWAGE SLUDGE INCINERATOR 1		
	002	SEWAGE SLUDGE INCINERATOR 2

#### RESTRICTIONS.

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

#### II. TESTING REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 62.16015.]

- (a) All performance tests performed to comply with 40 C.F.R. Part 62, Subpart LLL must consist of a minimum of three test runs conducted under conditions representative of normal operations, as specified in 40 C.F.R. § 60.8(c).
- (b) The permittee must document that the dry sludge burned during the performance test is representative of the sludge burned under normal operating conditions by:
- (i) Maintaining a log of the quantity of sewage sludge burned during the performance test by continuously monitoring and recording the average hourly rate that sewage sludge is fed to the incinerator.
- (ii) Maintaining a log of the moisture content of the sewage sludge burned during the performance test by taking grab samples of the sewage sludge fed to the incinerator for each 8 hour period that testing is conducted.
- (c) All performance tests must be conducted using the test methods, minimum sampling volume, observation period, and averaging methods specified in Table 3 of 40 C.F.R. Part 62, Subpart LLL.
- (d) Method 1 at 40 C.F.R. Part 60, Appendix A, must be used to select the sampling location and number of traverse points.
- (e) Method 3A or 3B at 40 C.F.R. Part 60, appendix A-2, must be used for gas composition analysis, including measurement of oxygen concentration. Method 3A or 3B at 40 C.F.R. part 60, appendix A-2, must be used simultaneously with each method.
- (f) All pollutant concentrations must be adjusted to 7-percent oxygen using the following equation:

Cadj = Cmeas(20.9 - 7)/(20.9 - %O2)

Where:

Cadj = Pollutant concentration adjusted to 7 percent oxygen.

Cmeas = Pollutant concentration measured on a dry basis.

(20.9 - 7) = 20.9 percent oxygen - 7 percent oxygen (defined oxygen correction basis).

20.9 = Oxygen concentration in air, percent.

%O2 = Oxygen concentration measured on a dry basis, percent.

- (g) Performance tests must be conducted and data reduced in accordance with the test methods and procedures contained in this subpart unless the Administrator does one of the following.
  - (i) Specifies or approves, in specific cases, the use of a method with minor changes in methodology.
  - (ii) Approves the use of an equivalent method.

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- (iii) Approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance.
- (iv) Waives the requirement for performance tests because the permittee has demonstrated by other means to the Administrator's satisfaction that the affected SSI unit is in compliance with the standard.
- (v) Approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph (g)is to be construed to abrogate the Administrator's authority to require testing under section 114 of the Clean Air Act.
- (h) The permittee must provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days' notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the permittee must notify the Administrator as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator by mutual agreement.
- (i) The permittee must provide, or cause to be provided, performance testing facilities as follows:
  - (1) Sampling ports adequate for the test methods applicable to the SSI unit, as follows:
- (A) Constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures.
- (B) Providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.
  - (2) Safe sampling platform(s).
  - (3) Safe access to sampling platform(s).
  - (4) Utilities for sampling and testing equipment.
- (j) Unless otherwise specified in 40 C.F.R. Part 62, Subpart LLL, each performance test must consist of three separate runs using the applicable test method. Each run must be conducted for the time and under the conditions specified in the applicable standard. Compliance with each emission limit must be determined by calculating the arithmetic mean of the three runs. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond control of the permittee, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.
- (k) During each test run specified in paragraph (a) of this section, the permittee must operate the sewage sludge incinerator at a minimum of 85-percent of maximum permitted capacity.

### # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition was also derived from 25 Pa. Code § 129.115 for compliance with the Alternate RACT III Plan for NOx.]

(a) Source testing shall be performed, according to Department approved procedures, for the following pollutants: particulate matter (PM) (filterable and condensable), particulate matter less than 2.5 microns (PM2.5) (filterable and condensable), NOx, SO2, CO, THC, VOC and VOC destruction efficiency of the regenerative thermal oxidizer (RTO).

The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. With Department approval, this schedule may be modified depending on the results and frequency of testing required by 40 C.F.R. Part 62, Subpart LLL.

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- (i) Opacity testing shall also be performed using EPA Method 9 for the minimum of a 1-hour test while each incinerator is operating. If an opacity of 10% or greater is observed during the test for either incinerator, two additional 1-hour tests shall be performed for the respective incinerator.
- (ii) Source testing shall also be performed, according to Department approved procedures for arsenic, cadmium, chromium, lead, and nickel. The stack testing and analysis of samples of sludge fed to this incinerator during the testing shall be used to determine the control efficiencies for these metals, as described by 40 C.F.R. § 503.43.
- (iii) Source testing shall also be conducted for all pollutants required to be tested in a federal plan pursuant to 40 C.F.R. Part 62, Subpart LLL. These pollutants may include, but may not be limited to hydrogen chloride, dioxins/furans, and mercury.
- (b) Performance tests shall be conducted while the incinerator is operating at the maximum rated capacity to the extent possible but not less than 85% of this capacity, or other conditions that may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack testing manual has been revised since approval, a new protocol must be submitted for approval.

Note: Operation during stack testing shall conform to the daily limitations for dry sludge throughput in Section E, Group#1, Condition #004.

(c) The stack test shall, at a minimum, test for the following pollutants with the respective EPA Test Method:

Particulate matter (filterable) - Method 5

Particulate matter less than 2.5 microns (filterable) - Method 201

Particulate matter (condensable) - Method 202

Sulfur Dioxide – Method 6C

Nitrogen Oxides - Method 7E

Carbon Monoxide - Method 10

Dioxins/Furans - Method 23

Total Hydrocarbon – Method 25A

Hydrogen Chloride – Method 26A

 $Metals\ (\ Arsenic, Beryllium, Cadmium, Chromium, Lead, Mercury, and\ Nickel)-Method\ 29$ 

VOC

VOC Destruction Efficiency of the RTO

- (d) Tests shall be conducted in accordance with the provisions of the EPA Test Methods or other Department approved methodology and 25 Pa. Code Chapter 139. Tests shall also be conducted in accordance with the provisions of the current version of the DEP Source Testing Manual and the EPA Clean Air Act National Stack Testing Guidance.
- (e) The stack testing and analysis of samples of sludge fed to this incinerator during the testing shall be used to determine the control efficiencies for these metals, as described by 40 C.F.R. § 503.43 and Section E, Group#1, Condition #005. Emission rates of the metals shall be used to calculate the dispersion factor, as described by 40 C.F.R. § 503.43 and Section E, Group#1, Condition #005.
- (f) Testing for this condition may be combined with testing required by 40 C.F.R. Part 62, Subpart LLL with approval of the Department.

### # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 C.F.R. §§ 62.16000 (a) and 62.16015.]

Unless a monitoring system is installed for each pollutant in accordance with 40 C.F.R. § 62.16000(b). the permittee shall demonstrate continuous compliance using performance tests. The following pollutants listed in Table 3 of 40 C.F.R. Part 62, Subpart LLL shall be tested:

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Particulate matter (filterable)

Hydrogen chloride

carbon monoxide

dioxins/furans (total mass basis) or dioxins/furans (toxic equivalency basis

**Source Group Restrictions.** 

mercury

SECTION E.

oxides of nitrogen

sulfur dioxide

cadmium

lead

fugitive emissions from ash handling

- (a) Following the date that the initial performance test for each pollutant in Table 3 of 40 C.F.R. Part 62, Subpart LLL, the permittee shall conduct a performance test for each such pollutant on an annual basis (between 11 and 13 calendar months following the previous performance test). The performance test must be conducted using the test methods, averaging methods, and minimum sampling volumes or durations specified in 40 C.F.R. Part 62 Table 3 and according to the testing, monitoring and calibration requirements specified in 40 C.F.R. § 62.16015(a).
- (b) The permittee may conduct a repeat performance test at any time to establish new values for the operating limits to apply from that point forward. The Administrator may request a repeat performance test at any time.
- (c) You must repeat the performance test within 60 days of a process change, as defined in 40 C.F.R. § 62.16045.
- (d) The permittee may conduct performance tests less often for a given pollutant, as follows:
- (i) If the performance tests for a respective pollutant for at least 2 consecutive years show emissions are at or below 75percent of the emission limit specified in 40 C.F.R. Part 62, Subpart LLL Table 3 (Section E Group #1 Condition #004) and there are no changes in the operation of the incinerator or air pollution control equipment that could increase emissions. In this case, a new performance test for that pollutant does not need to be conducted for the next 2 years. The permittee must conduct a performance test during the third year and no more than 37 months after the previous performance test.
- (ii) If the SSI unit continues to meet the emission limit for the pollutant, the permittee may choose to conduct performance tests for the pollutant every third year if the emissions are at or below 75-percent of the emission limit, and if there are no changes in the operation of the affected source or air pollution control equipment that could increase emissions, but each such performance test must be conducted no more than 37 months after the previous performance test.
- (iii) If a performance test shows emissions exceeded 75-percent of the emission limit for a pollutant, the permittee must conduct annual performance tests for that pollutant until all performance tests over 2 consecutive years show compliance.

#### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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



### VII. ADDITIONAL REQUIREMENTS.

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

\*\*\* Permit Shield in Effect. \*\*\*

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Group Name: WET ESP
Group Description: C10 and C11
Sources included in this group

ID	Name
C10	WET ELECTROSTATIC PRECIPITATOR SSI 001
C11	WET ELECTROSTATIC PRECIPITATOR SSI 002

#### I. RESTRICTIONS.

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

#### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

### # 001 [25 Pa. Code §127.411]

### Content of applications.

- (a) The permittee shall continuously monitor the following parameters for this source:
- (1) Power (kVA)
- (2) influent water to the wet electrostatic precipitator (gal/min)
- (b) The permittee shall calculate 12-hour block averages from the hourly values of these parameters recorded in Condition #002.
- (c) The Department reserves the right to modify the monitoring requirements based on information developed during the shakedown period and as provided by the permittee.

### IV. RECORDKEEPING REQUIREMENTS.

### # 002 [25 Pa. Code §127.411]

### Content of applications.

- (a) The permittee shall record the following parameters for this source on an hourly basis when operating:
- (1) Power (kVA)
- (2) influent water to the wet electrostatic precipitator (gal/min)
- (b) The permittee shall record 12-hour block averages for each of the parameters in paragraph (a) of this condition.
- (c) Recordkeeping pursuant to modifications in monitoring made pursuant to Condition #001(c), as requested by the Department.

#### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

### # 003 [25 Pa. Code §127.411]

### Content of applications.

The permittee shall install, operate and maintain the necessary instrumentation to conduct the monitoring in Condition #001.

### # 004 [25 Pa. Code §127.411]

### Content of applications.

(a) The permittee shall ensure that the following operating parameters are maintained:

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(1) Power (kVA)

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- (i) C10: 9.0
- (ii) C11: 8.6
- (2) FlowInfluent water to WESP
- (i) C10, C11: 3-minute flush of 120 gpm every 3 hours
- (b) Compliance with the parameter operating ranges shall be demonstrated on the basis of a 12-hour block average for all parameters.

### VII. ADDITIONAL REQUIREMENTS.

# 005 [25 Pa. Code §127.411]

Content of applications.

This source comprises a Wet Electrostatic Precipitator -- MegTec, Turbo Sonic, GeoEnergy Lundburg or equivalent of approximately 2900 square feet collecting surface area and 15,260 acfm (at 100F) design inlet volume.

\*\*\* Permit Shield in Effect. \*\*\*

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# **SECTION F.** Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

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# **SECTION G.** Emission Restriction Summary.

Source Id	Source Description
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001 SEWAGE SLUDGE INCINERATOR 1

Emission Limit			Pollutant
11.810	Lbs/Hr	CO	CO
51.720	Tons/Yr	12-month rolling sum	CO
3,800.000	PPMV	dry volume @ 7% oxygen	CO
100.000	PPMV	dry volume @7% oxygen, monthly average	Hydrocarbon
1.200	PPMV	dry volume @7% oxygen	Hydrogen Chloride (Anhydrous)
15.000	Lbs/Hr	NOx	NOX
65.700	Tons/Yr	12-month rolling sum	NOX
220.000	PPMV	dry volume @7% oxygen	NOX
19.520	Lbs/Hr	SO2	SO2
26.000	PPMV	dry volume @ 7% oxygen	SO2
32.900	Tons/Yr	12-month rolling sum	SO2
0.100	gr/DRY FT3	@ 12% CO2	TSP
1.300	Lbs/Tons	filterable PM per Dry Sludge Input	TSP
4.000	Tons/Yr	12-month rolling basis, combination of SSI 1 and 2	VOC

### 002 SEWAGE SLUDGE INCINERATOR 2

<b>Emission Limit</b>			Pollutant
11.810	Lbs/Hr	CO	CO
51.720	Tons/Yr	12-month rolling sum	CO
3,800.000	PPMV	dry volume @ 7% oxygen	CO
100.000	PPMV	dry volume @7% oxygen, monthly average	Hydrocarbon
1.200	PPMV	dry volume @7% oxygen	Hydrogen Chloride (Anhydrous)
15.000	Lbs/Hr	NOx	NOX
65.700	Tons/Yr	12-month rolling sum	NOX
220.000	PPMV	dry volume @7% oxygen	NOX
19.520	Lbs/Hr	SO2	SO2
26.000	PPMV	dry volume @ 7% oxygen	SO2
32.900	Tons/Yr	12-month rolling sum	SO2
0.100	gr/DRY FT3	@ 12% CO2	TSP
1.300	Lbs/Tons	filterable PM per Dry Sludge Input	TSP
4.000	Tons/Yr	12-month rolling basis, combination of SSI 1 and 2	VOC

### 110 WASTEWATER TREATMENT PROCESS

43.900 Tons/Yr 12-month rolling basis, including source id VOC	

# C05 SLUDGE HOLDING TANKS & BLDG B-4 SCRUBBER

<b>Emission Limit</b>		Pollutant
1.000	PPMV	Hydrogen Sulfide

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# **SECTION G.** Emission Restriction Summary.

# **Site Emission Restriction Summary**

23-00038

Emission Limit		Pollutant	
49.100 Tons/Yr	12-month rolling basis	VOC	
82.560 Tons/Yr	PAL, expressed as a 12-month rolling sum	NOX	

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(a) The following previously issued Plan Approvals and Operating Permits serve as a basis for certain terms and conditions in this renewal Title V Operating Permit:

RACT Permit: OP-23-0032 Operating Permit 23-399-023 Plan Approval PA-23-0032 Plan Approval PA-23-0032A Amended Title V Operation Permit 23-00039

- (b) This operating permit was amended on 3/6/2002 to incorporate a Minor Operating Permit Modification. Two conditions for Source ID#C03 in Section D of the Title V Operating Permit have been amended.
- (c) This permit was issued an Administrative Amendment on September 8, 2003 to the Title V Permit TVOP-23-00038 previously issued on June 26, 2001. This Administrative Amendment is issued to address the appeal of the permit.
- (d) This permit has been modified to incorporate changes to the Belt Filter Press Process Scrubber (C04) work practice standards (Condition #005(e)(1)-(3)). Monitoring and recordkeeping of the pressure differential between the ambient atmosphere and the belt filter press room has also been added. Source IDs 001 and 002 conditions have been modified regarding the stack oxygen monitors located in hearth 1 of the sewage sludge incinerators.
- (e) This permit was issued an Administrative Amendment on December 22, 2003 to the Title V Permit TVOP-23-00038 previously issued on September 8, 2003. This Administrative Amendment is issued to address the appeal of the permit.
- (f) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:
- (1) 2 Ash Silos
- (g) For sources C01, C02, C03 and C04 the listed Capacity/Throughput is the minimum water flow rate through the scrubber.
- (h) For source 110 the listed Capacity/Throughput is based on the annual average.
- (i). The inventory maps in Sections A and D of this permit are descriptive in nature and are for informational purposes only.
- (j). APS No. 491180; Authorization No. 645904: The Title V Permit was revised to address objections that were brought up in an appeal. The revisions include correction of the referenced citation number in the Federal Requirements for both incinerators, addition of clarifying language and dates for what stack test reports were to be kept on file, deletion of duplicate sources in the wastewater treatment process, and correction of the type of pollutant restricted for the sources listed in Section F for the summary of emission restrictions. The language used for Source ID Nos. C03 and C04 were changed to allow DELCORA to come up with preventive maintenance schedules and standard operating procedures to use when maintaining the scrubbers associated with the sludge holding tanks and the belt filter presses. The windows for performing maintenance on the scrubbers associated with the sludge holding tanks and the belt filter presses were removed from the permit.
- (k). APS No. 491180; Auth. No. 859251 issued on 2/21/2013: The Title V Permit was renewed in 2011 without any modifications except conditions #010 and the associated conditions #013(a)(2) for each sewage sludge incinerator (Source ld Nos. 001 and 002) are updated with current standard permit language.
- (I). APS No. 491180; Auth No. 969026 issued in May, 2013: The Title V Permit is administratively amended to include the requirements of Plan Approval 23-0038D and correct typographical errors in references to the modeling program "Water 9" on pages 39 and 40 of the February 21, 2013 issuance. The following conditions from Plan Approval 23-0038D are changed with the incorporation of the Plan Approval in the Operating Permit.

### Section C

Condition #006 (a)(3)(i)

The reference to stack testing is changed to "testing conducted in August and October, 2012 under Plan Approval 23-0038D." A sentence indicating that the Department reserves the right to require additional testing, pending review of the stack testing reports by the Department's Source Testing Group is included.

Condition #006 (d)

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### SECTION H. Miscellaneous.

Revalidation testing is indicated as stack testing performed under Condition Section D (Source IDs 001,002) #008 for NOx, unless otherwise approved in writing by the Department.

### Condition #007(b)(3)

The condition requiring use of emission factors derived from testing with No.2 fuel oil for natural gas firing pending availability of the factors for natural gas is removed.

#### Condition #012

The condition is updated with the date of issuance of Plan Approval 23-0038D-- August 24, 2011.

#### Condition #016

The condition requiring compliance with TVOP 23-0038D, unless specifically revised by Plan Approval 23-0038D, is removed.

### Additional Recordkeeping

NOx emissions shall be kept as follows:

- (a) from each incinerator (Source IDs 001, 002) and each set of 2 boilers (2 @ 1.02 MMBtu/hr, 2 @ 1.34 MMBtu/hr) on a monthly and on a 12-month rolling sum basis.
- (b) the sum of the NOx emissions from all the emissions units under the NOx PAL (2 incinerators, 4 boilers) on a monthly and on a 12-month rolling sum basis.

Section D (Source IDs 001, 002)

The conditions referencing the emissions and sludge throughput limitations in TVOP 23-00038 are removed.

Condition #005 is removed, since the required testing under the Plan Approval was completed, and replaced with the testing requirement of the Operating Permit 23-00038 (Condition #008) for the dominant fuel used in the incinerators during the consecutive 24-month period prior to testing. The testing condition will require stack testing to also be conducted using the fuel of lesser usage in this incinerator, if it is used for at least 30 days in any 12-month rolling period during the life of this permit, prior to the testing. Stack testing for the secondary fuel shall be at the minimum for NOx and CO.

A condition is included indicating that the Department will accept the 2012 testing programs as sufficient to fulfill the requirements of the Title V for the current February 21, 2013 – February 21, 2018 permit term. The Department reserves the right to require additional testing, pending review of the stack testing reports for the 2012 testing program by the Department's Source Testing Group.

### Condition #011 (Source IDs 001, 002)

"VOC" is changed to "THC". THC monitoring is used to estimate VOC emissions, as presented in the 23-0038D Plan Approval application.

### Additional

A recordkeeping condition for a running log for the fuel of lesser usage is included, to determine applicability of the stack testing requirement in Condition #008.

The following conditions in the Operating Permit are changed with this opening of the permit. Condition numbers refer to the February 21, 2013 is suance of the Operating Permit.

### Section C

Condition #013(a)

Recordkeeping formats previously approved by the Department are maintained.

(m) APS No. 491180; Auth No. 1006041 issued in August, 2014: The Title V Permit is administratively amended to remove the heat release limitations for each incinerator (Section D, Source IDs 001, 002 Condition #004(e)). There are no increases in NOx or VOC emissions allowed with this issuance of the Operating Permit. With this opening of the operating permit, the following conditions are also changed. Condition numbers refer to those in the May, 2013 issuance.

# Section C

Condition #007

The wording of the condition prohibiting fugitive emissions is revised to conform to current DEP practice.

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### DELAWARE CNTY REG WA/DELCORA WESTERN REG TRMT PLT



### SECTION H. Miscellaneous.

### Condition #012

The complete list of exemptions to the open burning prohibition indicated by 25 Pa. Code Section 129.14(c) are included.

#### Condition #013

The condition restricting the fuel sulfur content is updated to reflect the more stringent limitation effective July 1, 2016, pursuant to 25 Pa. Code Section 123.22(e)(2).

#### Condition #018

The wording of the facility monitoring condition is revised to conform to current DEP practice.

#### Condition #026

The reporting condition is updated to reflect electronic submission to EPA of the annual certification of compliance.

#### Condition #028

The requirements of the reporting condition are revised to specify reporting for new sources and sources in the Miscellaneous Section of the permit.

Section D, Source IDs 001,002

### Condition#004(a)(2)

The limitation for oxides of nitrogen is changed to 15.0 lb/hr for each incinerator, for consistency with the State Implementation Plan for RACT.

### Condition#004(b)(2)

The limitation for oxides of nitrogen is changed to 65.7 tons per 12-month rolling period for each incinerator, for consistency with the 15.0 lb/hr limitation at 8760 hours/year operation.

### Condition #006(b)

The condition restricting the fuel sulfur content is updated to reflect the more stringent limitation effective July 1, 2016, pursuant to 25 Pa. Code Section 123.22(e)(2).

### Section F

The emission restriction summary for NOx for each incinerator is revised to 15.0 lb/hr and 65.7 tons per 12-month rolling period.

# (n) APS ID: 49110, AUTH ID: 1164909 April, 2017.

The Operating Permit is administratively amended to include the requirements of Plan Approvals 23-0038C for the Boiler MACT and 23-0038E for an odor scrubber (Source ID C05), which replaced the Sludge Holding Tanks Scrubber (Source ID C03).

Changes made to the Plan Approval 23-0038E with the incorporation are as follows. Condition numbers refer to the October 7, 2013 issuance of the Plan Approval.

#### Condition #002

- \*The condition is revised to require testing once in 5-year or once during the permit term.
- \*The source test review for the Plan Approval is noted as pending, with additional testing or data submission required, depending on the results of the review.
- \*The condition is updated in accordance with current Department guidelines allowing use of pre-approved test protocols and the requirement for a 90-day review period for initial protocol submissions.

### Condition #010, #011

The conditions were removed since the requirements have been completed.

### Condition #013

- \*Ranges were set for the operating parameters.
- \*The condition is re-worded to indicate optimization of the parameters based on manufacturer's recommendations as available.
- \*The requirement for recording of corrective actions employed to bring the parameters back into range is included with the condition.

#### Condition #015

The words "or equivalent" are removed with the definitive installation of the EF 1262.

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- (o) APS ID 49110, AUTH ID: 1190288 November, 2018
- (1) The Operating Permit was renewed. VOC emission restrictions were taken for the facility as well as for Source IDs 001, 002, 030, and 110 in order to meet the requirements of a synthetic minor for VOC for RACT II.
- (2) \*Venturi scrubbers C01 and C02 were removed from the permit.
- \* Quench and Multiventuri Scrubbers, C06, C07, Wet Electrostatic Precipitators C10, C11 and the Regenerative Thermal Oxidizers C12, C13, installed under Plan Approval 23-0038F, were added to the permit.
- \*No.2 Fuel Oil Fired Boilers, Source ID 030 was renamed B-2 and B-3 Boilers and restructured to include 2 natural gas fired boilers (1.5 MMBtu/hr each) and 2 natural gas boilers (1.0 MMBtu/hr each).
- \*Source ID 500 was removed from the permit and its individual operations included as part of Source ID 110.
- \*FML03, oil fuel, was removed from the permit in Section A and from the permit maps of Sources 001, 002 and 030.
- \*Plan Approval 23-0038G, revising the allowable pressure drop across the C04 scrubber, was incorporated.
- (3) The requirements of 40 CFR Part 62, Subpart LLL pertaining to Federal Plan Requirements for Sewage Sludge Incineration Units Constructed on or Before October 14, 2010 were incorporated.
- (4) In addition, the following changes to conditions in the Operating Permit were made. Conditions numbers refer to the April 18, 2017 amended issuance of the operating permit and also to the current issuance in [brackets] where different.

#### Section C

Conditions specifying the rating and fuel usage of the two B-2 boilers and the two B-3 boilers were revised to 1.5 MMBtu/hr and 1.0 MMBtu/hr respectively natural gas-firing in the following conditions:

#003(a) (3)

#015(a)(3)(ii)

#021(a)[#023(a)]

#### Condition #013

This condition pertaining to fuel oil sulfur content was removed since fuel oil is no longer used at the facility.

### Condition #015(a)(3)(i)

This condition describes emissions factors to be used for PAL monitoring. The condition states that that stack testing from August and October, 2012 shall serve as validation testing for NOx but that DEP may require additional testing depending on the results of the Source Test Group's review. The sentence requiring the additional testing was removed since the Source Test Group's review is complete and the NOx results are suitable for compliance purposes.

### Condition #016(b)(2)

This condition describing the averaging methodology to be used when firing two fuels in each of the incinerators in any day, was removed since only one fuel is now used in the incinerators.

### Conditions #030 and #033 [#032]

Condition #030 specifies that combustion units shall be operated in accordance with manufacturer's specifications and good air pollution control practices. Condition #033 requires that all control devices and sources be operated with good operating and maintenance practices to minimize malodors, fugitive and visible emissions. In order to generalize the operating practices to cover all sources and purposes, both of these conditions were replaced with DEP's standard condition requiring operation and maintenance of all sources and control devices according to good operating and maintenance practices and in accordance with manufacturer's specifications.

### Condition #034 [#035]

This condition requires the implementation of measures to reduce air contaminant levels to within applicable standards, upon discovery of the excess emissions. The phrase "application for" was added before the phrase "installation of air cleaning devices" as in the standard DEP condition since control devices cannot be installed without approval by DEP.

#### Additional Emission Restriction condition

The facility-wide VOC limit of 49.90 tons per 12-month rolling period was included.

Section D

Source ID 030

Conditions #002,#010, #012, #013, #015, #016, #017, #016, #019, #020, #022, #023, #025, #026

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These conditions pertaining to the requirements of, or references to, 40 CFR Part 63 Subpart DDDDD were removed since the regulations are not applicable to the facility.

Conditions #003, #005, #006, #008, #011

These conditions pertaining to No. 2 fuel oil were removed, since fuel oil is no longer in use at the facility.

Condition #004

The condition specifying fuel usage was revised to allow only natural gas in the four boilers.

Condition #007, #009

These conditions require monitoring and recordkeeping of the monthly hours and fuel usage for each of the four boilers. Calculation of VOC emissions on a monthly and 12-month rolling basis for each and all four boilers together was added to Condition #007 and recordkeeping to Condition #009. Emissions factors were specified as from the AP-42 or other Department approved methodology.

### Condition #021

The tune-up condition was modified to generally minimize emissions, rather than specifically minimizing CO, which is a surrogate for HAPs. References to 40 CFR Part 63 Subpart DDDDD were removed, since the Subpart is not applicable.

Section D

Source ID 001, 002

Condition #001

The condition specifying once in 5-year testing for PM, NOx, SOx, CO, THCs, Arsenic, beryllium, Cadmium, Chromium, Mercury, Nickel and Lead was revised to current DEP guidelines for stack testing as follows:

\*the 5-year period was defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. However, the condition also includes the flexibility to revise the schedule to account for the testing schedule required by 40 CFR Part 62 Subpart LLL.

- \* an allowance for a single protocol submission for recurrent testing if the test requirements and test firm are the same.
- \*protocol submissions are required ninety (90) days in advance of testing
- \*In addition,

Filterable PM was specified for testing as it is consistent with the limitations in the operating permit.

References to and requirements for testing with a secondary fuel were removed since only natural gas is now used as a fuel.

A testing condition was included which summarizes the Department's new submission requirements for stack test documents.

One electronic and one paper copy are to be submitted to both the Air Quality Program Manager and the Department's Central Office.

### Condition #002

The condition requiring reporting of the incinerator exit – stack oxygen correlation testing was deleted since the permittee is no longer relying on the stack CEMS to comply with 40 CFR Part 60 Subpart O requirements.

Section D

Source ID 110

Condition #001 and additional

The condition contains a total VOC limit and list of the sources included in the Waste Water Treatment Process. The total VOC limit was revised from 140 tons/year to 44.9 tons/year. Some of sources or source groups are subject in addition to VOC emission rates no greater than 3 pounds per hour, 15 pounds per day or 2.7 tons/year, in accordance with RACT 1 Operating Permit OP-23-0032. These are noted in the condition. The sources were previously noted with Condition #001 of Source ID 500. The 4-sludge holding tanks are not listed as subject to these limits since the RACT I Operating Permit OP-23-0032 (3/12/1997) does not include this restriction for the 4 tanks. An additional recordkeeping condition requiring the keeping of records that would demonstrate compliance with these VOC limitations was included.

Section D

Source ID 111

Condition #001

The VOC group restriction was revised from 140 tons/year to 44.9 tons per year.

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Section D

Source ID 500

The source was deleted since either the individual sources were moved to Source ID 110 or removed from the facility (fuel oil tanks)

Section D

Source ID C05

Condition #002(a)

The note indicating that the Source Test Group's review is pending was removed, since their review was completed.

#### Condition #004

The condition advising test submittals to be submitted on-line through Greenport was deleted since it is no longer expected that the system will be used.

Section E

Source ID 001 and 002

Group #1

### Condition #002 [#003]

The regulatory reference for 40 CFR Part 60 Subpart O was corrected to Section 60.152, which contains the emissions restrictions.

### Condition #003 [#004]

This condition includes emission limitations for each incinerator. The limitations from 40 CFR Part 62 Subpart LLL were added. The SOx 12-month rolling limit from Plan Approval 23-0038F was included, since it is more restrictive and derived from 40 CFR Part 62 Subpart LLL. The authority of RACT 1 of 25 Pa. Code Sections 129.91 -129.95 was added since the THC limit in part (c) of the condition (100 ppmdv at 7% oxygen) was determined under RACT 1.

### Condition #004(a) [#002(a)]

This condition indicates the limit of 40 CFR Part 61 Subpart E for mercury from sludge incineration plants. A note is included that compliance with the more stringent limit in 40 CFR Part 62 Subpart LLL will assure compliance with 40 CFR Part 61 Subpart E.

### Condition #006(b)[#007(b)]

The regulatory reference for the dry sludge content analysis was corrected to 40 CFR Section 60.154(b)(5).

### Condition #009 [#008]

- \*The condition reference in part (3) of the condition was corrected.
- \*An emissions monitoring condition was included for VOC, NOx, SOx and CO in part (b) of the condition to correspond to the recordkeeping requirement in Condition #014(c)[#013(c)].
- \*Daily average sludge and moisture monitoring requirements from 40 CFR Part 62 Subpart LLL were included in part (a)(4) of the condition.

### Condition#010 [#009]

The condition requires the permittee to conduct oxygen monitoring in accordance with 40 CFR Section 60.153(b)(2) if timely oxygen correlation reports are not submitted. The permittee currently conducts oxygen monitoring in accordance with 40 CFR Section 60.153(b)(2). The condition was re-stated to require oxygen monitoring in accordance with 40 CFR Section 60.153(b)(2), unless an alternate procedure is approved by the EPA.

### Condition #010(b) [#012(b)]

The condition reference for mercury recordkeeping was corrected.

### Condition #019[#024]

The requirement to follow the work practices of the fugitive emissions monitoring plan developed in accordance with the requirements of 40 CFR Part 62 Subpart LLL was added to the other operational requirements in the condition.

### Condition #014(a)(3)[#012(a)(3)]

The hearth temperature recording condition was changed to recording of temperatures for hearths 1-6, for consistency with the monitoring condition #009(2)[#008(2)].

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### SECTION H. Miscellaneous.

### Condition #014(c)[#013(c)]

- \*The condition requiring calculation of monthly and 12-month rolling emissions is restated to recordkeeping. A monitoring condition was included also (see Condition #009).
- \* Daily average sludge and moisture recordkeeping requirements from 40 CFR Part 62 Subpart LLL were included.

### Condition #020(a)(b)(d)(f)[#021]

- \*These conditions describe operating practices that were required to be followed to allow the top hearth of the incinerators to act as an afterburner. With the afterburner function moved downstream to the RTO, these conditions are no longer valid and were removed.
- \*In part (c) of the condition describing a training plan, the training plan requirements of 40 CFR Part 62 Subpart LLL was referenced.
- \*In part (d) of the condition the fuel was specified as natural gas from a utility since fuel oil is no longer used at the facility.

### Condition #021[#020]

The authority of 40 CFR Section 61.55 from 40 CFR Part 61 Subpart E was added to the condition. A note was also included that compliance with the mercury limit in 40 CFR Part 62 Subpart LLL will assure compliance with the emission limits of 40 CFR Part 61 Subpart E.

### Condition #022

This condition required an annual test for the correlation between hearth No. 1 oxygen content and stack gas oxygen content. The annual correlation became part of the requirement of ADI 0200055, which was an alternate oxygen monitoring technique to meet the requirements of Section 60.153(b)(2) in 40 CFR Part 60 Subpart O. DELCORA was not able to maintain an oxygen sensor upstream of any cooling gas inlet as required by 40 CFR Part 60 Subpart O with the previous equipment setup. With the new equipment set-up the contamination issues are not present and DELCORA is monitoring incinerator oxygen directly as required by 40 CFR Part 60 Subpart O without recourse to the ADI. The condition was therefore deleted while maintaining the requirement of 40 CFR Section 60.153(b)(2) in the operating permit.

### Condition #023[#029]

The condition specifying adherence to the guidelines of 40 CFR Section MMMM was updated to specify compliance with the regulations in 40 CFR Part 62 Subpart LLL.

### Section E

Source ID 001 and 002 Group: Incinerators

### Condition #002

References to fuel oil and its sulfur content were removed from the condition since fuel oil is no longer used at the facility.

#### Condition #003

The Condition was moved to Section D, Source IDs 001 and 002, since testing requirements are included in that section.

#### Condition #004

The condition advising test submittals to be submitted on-line through Greenport was deleted since it is not expected that the system will be used.

### Condition #006[#004]

Data from either continuous THC emissions monitoring or stack test results are allowed for calculation of VOC emissions. Both sources of data have traditionally been very close.

### Condition #008

The condition specifying burners and temperatures to be maintained in the SSI's to obtain an afterburner function in the top hearth was deleted since the afterburner function has been re-located downstream of the SSI's at the regenerative thermal oxidizer.

### Condition #014(a)(3) [#012(a)(3)]

The requirement for temperature recording was changed to hearths 1-6, for consistency with the monitoring Condition #009(a)(2)[#008(a)(3)].

### Additional Emission Restriction

A VOC limit of 4.0 tons/year enabling the facility to meet minor source status for RACT was included.

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### SECTION H. Miscellaneous.

(p) APS ID: 49110, AUTH ID: 1345816 May 2022 - NOx PAL Renewal

Changed the permit contact person to:

Name: Irene Fitzgerald

Title: Environmental Programs Manager

Phone: 610-876-5523 Ext. 213 Email: fitzgeraldi@delcora.org

Changes made in Section C

Language in Conditions #007, #008, #011, #014, #028 [#027, old], #032 and #035 have been revised.

Condition #015 – removed actual stack test compliance demonstration language (referring to stack testing conducted in August 2012, October 2012, August 2016 and February 2017)

Added "Note: Emission factors derived from source testing, in compliance with §62.16000 (Section D, Source ID 001 Condition #002 and Section D, Source ID 002, Condition #003) assures compliance with Conditions #015(a), (d) and (f)."

Condition #021- removed reference to Condition #021 (circular)

Condition #026 (new) – Added standard language to the operating permit.

Moved Condition #030 (25 Pa. Code §135.3) to Section B (Condition #031).

Condition #041 -removed the term "(Issuance October 1, 2016; Extension September 24, 2018; Expiration March 27, 2019)" from the condition.

Changes made in Section D

Source ID 002

Moved Condition #001 from the Emission Restriction section to the Testing section.

Source ID 110

Replace the requirement to use Water9 as the calculation tool to estimate VOC emissions from wastewater treatment processes with a DEP-approved method. The Water9 program is no longer supported by USEPA.

Source ID C05 - Condition #002(a)

Delete the term "Note: The most recent stack test was completed on September 30 and October 1, 2015."

Changes made in Section E

Source Group#1

Condition #017

Replaced the first paragraph of subsection (c) with the following:

The permittee must submit the annual compliance report no later than April 1st of each year.

Condition #024

Corrected the typographical issue of two subsections labelled "(b)" in the condition.

(g) APS ID: 49110, AUTH ID: 1439875, June 2025 - Title V Operating Permit Renewal

Final control plan and initial compliance report (September 9, 2017)

[Additional authority for this permit condition is derived from 40 C.F.R. §§ 62.15875, 62.15885, and 62.15900.]

The permittee must submit the reports to the Administrator as follows:

(a) Final control plan and initial compliance report.(1) A final control plan to be submitted by March 21, 2016, as specified in 40 C.F.R. § 62.15875, which includes the following items specified by 40 C.F.R. § 62.15900:

(i) a description of the devices for air pollution control and process changes that will be used to comply with the emissions limits and standards and other requirements of 40 C.F.R. Part 62 Subpart LLL

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### SECTION H. Miscellaneous.

- (ii) the types of waste to be burned, if other than sewage sludge.
- (iii) the maximum design sewage sludge burning capacity
- (iv) if applicable, the petition for site-specific operating limits under 40 C.F.R. § 62.15965.
- (2) a notification of achievement of submitting the final control plan and achieving final compliance no later than 10 business days after March 21, 2016 to include the following items as specified in 40 C.F.R. § 62.15885:
- (i) notification that the final control plan has been submitted and final compliance has been achieved
- (ii) any items required to be submitted with the final control plan and final compliance
- (iii) signature of the owner or operator of the SSI unit.
- (3) If the permittee fails to submit the final control plan and achieve final compliance, he/she must submit a notification to the Administrator postmarked within 10 business days after March 21, 2016, to include as specified in 40 C.F.R. § 62.15895 a notice that compliance was not achieved.

Reports must be submitted each calendar month until a final control plan is submitted and final compliance is met.

- (b) initial compliance report.
- The permittee must submit the following information no later than 60 days following the initial performance test.
- (1) company name, physical address and mailing address.
- (2) statement by a responsible official, with the official's name, title and signature, certifying the accuracy of the content of the report.
- (3) date of report.
- (4) The complete test report for the initial performance test results obtained by using the test methods specified in Table 3 of 40 C.F.R. Part 62 Subpart LLL.
- (5) If an initial performance evaluation of a continuous monitoring system was conducted, the results of that initial performance evaluation.
- (6) The results of the initial air pollution control device inspection required in 40 C.F.R. § 62.15990, including a description of repairs.
- (7) The site-specific monitoring plan required under 40 C.F.R. §62.15995, at least 60 days before the initial performance evaluation of the continuous monitoring system.
- (8) The site-specific monitoring plan for the ash handling system required under 40 C.F.R. § 62.15995, at least 60 days before the initial performance test to demonstrate compliance with the fugitive ash emission limit.





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