



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

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: October 7, 2022

Effective Date: October 7, 2022

Expiration Date: October 6, 2027

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

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

State Only Permit No: 46-00268

Natural Minor

Federal Tax Id - Plant Code: 23-2249139-3

Owner Information

Name: COLORCON INC
Mailing Address: PO BOX 24
415 MOYER BLVD
WEST POINT, PA 19486-0024

Plant Information

Plant: COLORCON INC/LOWER SALFORD
Location: 46 Montgomery County 46938 Lower Salford Township
SIC Code: 8734 Services - Testing Laboratories

Responsible Official

Name: MICHAEL ANASTASIO
Title: EHS MGR
Phone: (215) 616 - 6275 Email: manastasio@colorcon.com

Permit Contact Person

Name: MICHAEL ANASTASIO
Title: EHS MGR
Phone: (215) 616 - 6275 Email: manastasio@colorcon.com

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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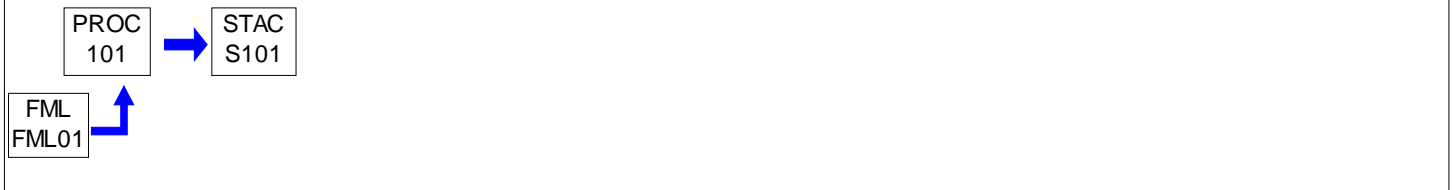
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	1,500-EKW EMERGENCY GENERATOR SET	109.400 Gal/HR	DIESEL FUEL/NO. 2 FUEL
FML01	7,900-GAL DIESEL FUEL/NO. 2 FUEL OIL ABOVEGROUND STORAGE TNK		
S101	1,500-EKW EMERGENCY GENERATOR SET STACK		

PERMIT MAPS

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) 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.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 007(a)–(g), Section C, of this permit).
- (g) Sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution.
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

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

005 [25 Pa. Code §123.41]**Limitations**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]**Exceptions**

The emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall

**SECTION C. Site Level Requirements**

not apply to a visible air contaminant emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the restrictions.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit).

007 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

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

- (a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or H, of this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).
- (b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

The permittee may measure visible air contaminant emissions 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.

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor this facility, at least once per operating day when staffed, for the following:
- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 004, Section C, of this permit).
 - (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively).
 - (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).
- (b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility 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).
 - (4) Be recorded in a permanent written log.
- (c) After 6 months of daily monitoring, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly.
- (d) After 6 months of weekly monitoring, 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 complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions for this facility, including deviations from the conditions found in Conditions # 002–005, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:
- (1) A description of the deviation.
 - (2) The source(s) and/or associated air pollution control device(s) and location(s).
 - (3) The duration (including the starting and ending date(s) and times).
 - (4) The cause(s).
 - (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

**SECTION C. Site Level Requirements**

(b) The permittee shall maintain records of the monitoring in a Department-approved format and time frame.

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

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.7(b), and 25 Pa. Code Chapter 122 and § 127.443(b).]

- (a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly-designed equipment, lack of preventative 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 by telephone at 484-250-5920, as well as to the County Emergency Management Agency by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident of excess emissions. The owner or operator shall submit a written or e-mailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.
- (c) The report shall describe the following:
 - (1) The name, permit or authorization number, and location of the facility.
 - (2) The nature and cause of the malfunction, emergency, or incident.
 - (3) The date and time when the malfunction, emergency, or incident was first observed.
 - (4) The expected duration of excess emissions.
 - (5) The estimated rate of emissions.
 - (6) The corrective actions or preventative measures taken.
- (d) Any malfunction, emergency, or incident of excess emissions that is not subject to the notice requirements specified in (b), above, shall be reported to the Department by telephone at 484-250-5920 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 5 business days of discovery. The report

**SECTION C. Site Level Requirements**

shall contain the information listed in (c)(1)–(6), above, 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 (b)–(d), above, 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 resulting from a 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.

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

[Additional authority for this permit condition is derived from 40 CFR Part 68 and 25 Pa. Code § 127.443(b).]

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with all applicable provisions 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) that meets all applicable provisions 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 threshold quantity at this facility. The permittee shall submit the RMP to the EPA 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:

(i) Three (3) years after the date on which a regulated substance is first listed in 40 CFR § 68.130.

(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 all applicable provisions 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 this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying all applicable provisions of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a).

(2) Certify that the facility is in compliance with all applicable provisions of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an

**SECTION C. Site Level Requirements**

accidental release program for 5 years in accordance with 40 CFR § 68.200.

(f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 123.1(c).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit) 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, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces that may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved roads or streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.11(d), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in Sections A and H, of this permit, are operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturers' specifications.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Sections A or H, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in Sections A or H, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 013(g), Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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



SECTION C. Site Level Requirements

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

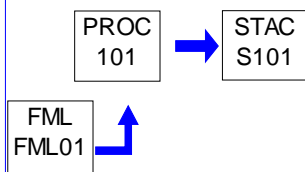
Source ID: 101

Source Name: 1,500-EKW EMERGENCY GENERATOR SET

Source Capacity/Throughput:

109.400 Gal/HR

DIESEL FUEL/NO. 2 FUEL OIL

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4202(a)(2) and 60.4205(b) and Part 1039, Appendix I; and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the engine of this emergency generator set do not exceed the following rates:

Pollutant(s)	g/bkW-hr (g/bhp-hr)	Lbs/hr	Tons/yr
CO	3.5 (2.61)	3.55	0.840
HCs	1.3 (0.97)	0.338	0.083
NOx	9.2 (6.86)	31.0	6.20
NOx + NMHCs	6.4 (4.77)		
PM	0.20 (0.15)	0.255	0.137

Tons/yr = Tons per 12-month rolling period, calculated monthly.

CO = Carbon monoxide.

HCs = Hydrocarbons.

NOx = Nitrogen oxides.

NMHCs = Non-methane hydrocarbons.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13(c).]

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4207(b) and 1090.305(b)–(c), and 25 Pa. Code Chapter 122 and § 127.443(b).]

(a) The permittee shall ensure that diesel fuel/No. 2 fuel oil is the only fuel consumed by the engine of this emergency generator set.

(b) The diesel fuel/No. 2 fuel oil shall comply with the following per-gallon standards:

(1) The sulfur content shall not exceed 15 ppm, by weight (0.0015%, by weight).

(2) Either of the following:

(i) The cetane index shall be equal to or greater than 40.

(ii) The aromatic content shall not exceed 35%, by volume.

**SECTION D. Source Level Requirements**

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60.4211(f)(1)–(3) and 25 Pa. Code Chapter 122.]

The permittee shall ensure that the engine of this emergency generator set is operated in compliance with the following operating hours restrictions:

- (a) There is no operating hours restriction for emergency situations.
- (b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving.
 - (2) Demand response.
 - (3) Supplying power to an electric grid to generate income, or otherwise supplying power as part of a financial arrangement with another entity, unless all of the following conditions are met:¹
 - (i) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.
 - (ii) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
 - (iii) The dispatch is in accordance with reliability, emergency operation, or similar protocols that follow specific North American Electric Reliability Corporation (NERC), regional, state, public utility commission, or local standards or guidelines.
 - (iv) The power is provided only to the facility itself or to support the local transmission and distribution system.
 - (v) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the permittee.
- (c) A total operating time of less than or equal to 100 hours per calendar year for the following purposes:
 - (1) Any maintenance, including readiness testing and tune-ups.
 - (2) The non-emergency situations indicated in (b), above.

[Compliance with this permit condition assures that the engine is considered an emergency engine in accordance with the provisions of 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit, and not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ.]

¹ On September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted the United States Environmental Protection Agency's (EPA's) motion for voluntary remand without vacatur of the provisions of 40 CFR § 60.4211(f)(3)(i)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above.

**SECTION D. Source Level Requirements****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 § 127.443(b).]

The permittee shall ensure that the total amount of diesel fuel/No. 2 fuel oil consumed by the engine of this emergency generator set does not exceed 43,760 gals/yr, calculated monthly as a 12-month rolling sum.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 139.16(1) and (3).]

(a) The following testing requirements are applicable to the diesel fuel/No. 2 fuel oil consumed by the engine of this emergency generator set:

(1) The fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM International (ASTM) Standard D4057 or D4177, as appropriate.

(2) Unless an alternative method(s) is approved by the Department, in writing, only the following ASTM standards may be used to determine the following respective constituents or property for the diesel fuel:

Constituent/Property	ASTM Standards
Sulfur Content	D129, D1266, D1552, D2622, or D4294
Cetane Index	D613, D976, or D4737
Aromatic Content	D5186 or D5292

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel/No. 2 fuel oil in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier in accordance with Condition # 009, Section D, of this permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this emergency generator set:

(a) The type(s) of operation, on an operating day basis.

(b) The following hours of operation, on an operating day basis:

(1) The hours of operation for each type of operation.

(2) The total hours of operation.

(c) The power output (ekW), on an operating day basis.

(d) The percent operating load, on an operating day basis.

(e) The amount of diesel fuel/No. 2 fuel oil (gallons) consumed by the engine of the emergency generator set on a monthly basis.

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from the engine of this emergency generator set, using Department-approved methods:

- (a) The total CO emissions, on a monthly and 12-month rolling basis.
- (b) The total HC emissions, on a monthly and 12-month rolling basis.
- (c) The total NOx emissions, on a monthly, ozone season (i.e., the period from May 1 through September 30 of each year), and 12-month rolling basis.
- (d) The total PM emissions, on a monthly and 12-month rolling basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this emergency generator set:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation:
 - (1) The hours of operation for each type of operation, on an operating day, monthly, and annual basis.
 - (2) The total hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (c) The power output (ekW), on an operating day basis.
- (d) The percent operating load, on an operating day basis.
- (e) The amount of diesel fuel/No. 2 fuel oil (gallons) consumed by the engine of the emergency generator set on a monthly basis, calculated using a Department-approved method.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of diesel fuel/No. 2 fuel oil received for the engine of this emergency generator set. The laboratory analysis or other certification shall specify both of the following:

- (a) The sulfur content or maximum sulfur content (% by weight; or ppm, by weight).
- (b) The cetane index or aromatic content (% by volume).

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

The permittee shall maintain records of the manufacturer's emission-related written instructions (or operating manual) for the engine of this emergency generator set.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all maintenance performed for this emergency generator set. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The reading on the hour-meter of the emergency generator set.
- (c) The type of maintenance performed.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from the engine of this emergency generator set, calculated using Department-approved methods:

- (a) The total CO emissions, on a monthly and 12-month rolling basis.
- (b) The total HC emissions, on a monthly and 12-month rolling basis.
- (c) The total NOx emissions, on a monthly, ozone season, and 12-month rolling basis.
- (d) The total PM emissions, on a monthly and 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4209 and 60.4211(a)(1)–(3), and 25 Pa. Code Chapter 122 and § 127.444.]

- (a) The permittee shall ensure that the engine of this emergency generator set is configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions.
- (b) The permittee shall not change any emission-related settings on the engine except those that are permitted by the manufacturer.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.4211(a)(2) and that the permittee will not be subject to 40 CFR § 60.4211(g)(1)–(3).]

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4209(a) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall operate and maintain a non-resettable hour meter for this emergency generator set.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source consists of an emergency generator set, model no. DQGAB, manufactured by Cummins Power Generation. The emergency generator set is rated at 1,500 ekW power output.

(b) The emergency generator set is equipped with a 16-cylinder, diesel fuel/No. 2 fuel oil-fired reciprocating internal combustion engine, model no. QSK50-G4, manufactured by Cummins, Inc. The engine is rated at 2,220 bhp power output and has a displacement of 3.14 liters per cylinder.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The engine of this emergency generator set, as specified in Condition # 015(b), Section D, of this permit, is subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart IIII. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. The EPA copies shall be forwarded to:

Associate Director
Enforcement and Compliance Assistance Division
Air, RCRA and Toxics Branch (3ED21)
U.S. EPA, Region III
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

017 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

On or before October 31 of each year, the permittee shall calculate the difference between the actual NO_x emissions from, and the allowable NO_x emissions for, the engine of this emergency generator set during the ozone season.

018 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

The permittee shall calculate the allowable NO_x emissions from the engine of this emergency generator set during the ozone season by multiplying the following values:

(a) The hours of operation for the emergency generator set during the ozone season.

(b) The rated power output (bhp) of the engine of the emergency generator set, as indicated in Condition # 015(b), Section D, of this permit.

(c) The emission rate of 2.3 g/bhp-hr.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.204(b)(2)(i) and (iv).]

(a) The permittee shall calculate the actual NO_x emissions from the engine of this emergency generator set during the ozone season using the 1-year average emission rate calculated from the results of the most recent NO_x emission testing performed to demonstrate compliance with the hourly NO_x emission rate restriction indicated in Condition # 001, Section D, of this permit (i.e., the hours of operation for the emergency generator set during the ozone season multiplied by the results of the most recent NO_x emission testing in units of lbs/hr).

(b) As an alternative to the calculation procedure in (a), above, the permittee may calculate the actual NO_x emissions from the engine of the emergency generator set during the ozone season by using an alternative calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternative procedure does not underestimate actual NO_x emissions. In conjunction with the alternative procedure for calculating actual NO_x emissions, the permittee may also request an adjustment to the allowable NO_x emissions

**SECTION D. Source Level Requirements**

calculation procedure specified in Condition # 018, Section D, of this permit. The adjustment to the allowable NOx emissions calculation procedure shall be based upon the same emissions testing and correlations with operating parameters proposed in the alternative calculation procedure for actual NOx emissions, and shall not overestimate allowable NOx emissions. The alternative calculation and recordkeeping procedure(s) must be approved by the Department, in writing, prior to its implementation.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Part 97, Subparts AAAAA, EEEEE, and GGGGG, and 25 Pa. Code § 129.204(c) and (e)–(f).]

(a) The permittee shall surrender to the Department one Clean Air Interstate Rule (CAIR) NOx allowance and one CAIR NOx Ozone Season allowance, as defined in 40 CFR §§ 96.102 and 96.302, respectively, for each ton of NOx by which the combined actual NOx emissions from the engine of this emergency generator set and all other sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at this facility during each ozone season exceed the allowable NOx emissions from the same sources during the same period. The surrendered NOx allowances shall be of current year vintage. For the purpose of determining the amount of NOx allowances to surrender, any remaining fraction of a ton of NOx equal to or greater than 0.50 tons shall be deemed to equal 1 ton, and any fraction of a ton of NOx less than 0.50 tons shall be deemed to equal zero tons.

(b) On or before November 1 of each year, the permittee shall surrender the NOx allowances required in (a), above, to the Department's designated NOx allowance tracking system account and submit the following information to the Department, in writing:

- (1) The serial number of each NOx allowance surrendered.
- (2) The calculations used to determine the quantity of NOx allowances required to be surrendered.

(c) If the permittee does not comply with (b)(1)–(2), above, in a given year, then the permittee shall surrender, on or before December 31 of that year, three NOx allowances for each NOx allowance that was required to be surrendered in (b)(1)–(2), above. The surrendered NOx allowances may be of current or later year vintage.

[Note: On July 6, 2011, EPA promulgated the Cross-State Air Pollution Rule (CSAPR) to replace CAIR. The CSAPR provisions of 40 CFR Part 97, Subpart AAAAA (relating to CSAPR NOx Annual Trading Program), replaced the provisions of 40 CFR Part 96, Subpart AA (relating to CAIR NOx Annual Trading Program General Provisions), and remain in effect. On October 26, 2016, EPA promulgated the CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart EEEEE (relating to CSAPR NOx Ozone Season Group 2 Trading Program), to replace the previously-established CAIR NOx Ozone Season Trading Program and CSAPR NOx Ozone Season Group 1 Trading Program for certain states, including Pennsylvania, beginning with the 2017 ozone season. On April 30, 2021, EPA promulgated the Revised CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart GGGGG (relating to CSAPR NOx Ozone Season Group 3 Trading Program), to replace the provisions of 40 CFR Part 97, Subpart EEEEE, for certain states, including Pennsylvania, beginning with the 2021 ozone season (though DEP will accept CSAPR NOx Ozone Season Group 2 allowances of current year vintage from other states, if available). Accordingly, the permittee shall surrender CSAPR NOx Annual allowances and either CSAPR NOx Ozone Season Group 2 allowances or CSAPR NOx Ozone Season Group 3 allowances, as defined in 40 CFR §§ 97.402, 97.802, and 97.1002, respectively, instead of the CAIR NOx allowances and CAIR NOx Ozone Season allowances indicated in 25 Pa. Code § 129.204(c), as the latter are no longer available.]

021 [25 Pa. Code §129.204]**Emission accountability.**

(a) If the combined allowable NOx emissions for the engine of this emergency generator set and all other sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at this facility during an ozone season exceed the combined actual NOx emissions from the same sources during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NOx emissions from sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities (during the same period).

(b) If the combined allowable NOx emissions for all sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203

**SECTION D. Source Level Requirements**

at any of the permittee's other facilities during an ozone season exceed the combined actual NO_x emissions from the same sources during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NO_x emissions from the engine of this emergency generator set or any other sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at this facility (during the same period).



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
101	1,500-EKW EMERGENCY GENERATOR SET		
Emission Limit			Pollutant
0.840	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	CO
2.610	GRAMS/HP-Hr	Brake-Specific	CO
3.500	GRAMS/KW-Hr	Brake-Specific	CO
3.550	Lbs/Hr		CO
0.083	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	Hydrocarbon
0.338	Lbs/Hr		Hydrocarbon
0.970	GRAMS/HP-Hr	Brake-Specific	Hydrocarbon
1.300	GRAMS/KW-Hr	Brake-Specific	Hydrocarbon
6.200	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	NOX
6.860	GRAMS/HP-Hr	Brake-Specific	NOX
9.200	GRAMS/KW-Hr	Brake-Specific	NOX
31.000	Lbs/Hr		NOX
4.770	GRAMS/HP-Hr	Brake-Specific	NOx+NMHC
6.400	GRAMS/KW-Hr	Brake-Specific	NOx+NMHC
0.137	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	TSP
0.150	GRAMS/HP-Hr	Brake-Specific	TSP
0.200	GRAMS/KW-Hr	Brake-Specific	TSP
0.255	Lbs/Hr		TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

- (a) The plant address is: 275 Ruth Road, Harleysville, PA 19438.
- (b) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:
- (1) RFD No. 237.
 - (2) RFD No. 238.
 - (3) RFD No. 284 (automatic exemption).
 - (4) Plan Approval No. 46-0268.
 - (5) RFD No. 1042.
 - (6) RFD No. 6589.
 - (7) RFD No. 7810.
- (c) Pursuant to Condition # 010(c), Section C, of this permit, on February 14, 2013, the Department approved the permittee's request to reduce the frequency of monitoring the facility for objectionable odors, visible air contaminant emissions, and fugitive air contaminant emissions to weekly. Pursuant to Condition # 010(d), Section C, of this permit, on June 8, 2016, the Department approved the permittee's request to reduce this frequency of monitoring to monthly. The Department reserves the right to change this frequency of monitoring pursuant to Condition # 010(e), Section C, of this permit.
- (d) The following sources have been determined by the Department to be insignificant sources of air emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C, of this permit:
- (1) Two atmospheric, natural gas-fired, hot water boilers, model no. K350-W-GI, manufactured by Bryan Boilers. Each boiler is rated at 3.5 mmBtu/hr heat input (84.0 boiler hp).
 - (2) A 7,900-gal diesel fuel/No. 2 fuel oil AST (Source ID FML01).
 - (3) A 15,000-gal wastewater underground storage tank (UST).
 - (4) Research and development (R&D) laboratories and equipment, including the following:
 - (i) Mixers and blenders.
 - (ii) Dedicated fume hoods associated with (d)(4)(i), above.
 - (iii) Laboratory-sized coating machines.
 - (iv) Nederman arms and an existing dust collector associated with (d)(4)(i) and (iii), above.
 - (v) A fluid bed dryer/granulator/spray coater, model no./type GPCG 2 LabSystem, manufactured by Glatt Air Techniques, Inc.
 - (vi) A fluid bed dryer/granulator, model no. GPCG3-225, manufactured by Glatt GmbH.
 - (vii) Two pan coaters.
 - (viii) A continuous tablet coater, model type DRIACONTI-T Pharma, manufactured by DRIAM Coating Technology.
 - (ix) A containment booth.
 - (x) Fume hoods manufactured by Bigneat Ltd.
 - (xi) HEPA filters associated with (d)(4)(ii) and (iv)-(x), above.

**SECTION H. Miscellaneous.**

- (xii) A pan filter.
- (xiii) A dust collector associated with (d)(4)(xii), above.
- (xiv) Four laboratory acid bath/disintegration testers, as follows:

Manufacturer	Model Types/Nos.
ERWEKA GmbH	ZT 3, ZT 224
VanKel	VK 100, 35-1200

(e) This permit (APS ID 726477, Auth ID 1357648) is a renewal of State Only Operating Permit No. 46-00268, which was originally issued on October 7, 2010 (APS ID 726477, Auth ID 843943), previously modified on May 29, 2013 (APS ID 726477, Auth ID 972744), and previously renewed on January 6, 2017 (APS ID 726477, Auth ID 1067336). The following is a listing of the changes reflected in this permit:

(1) The facility status, as indicated on the cover page of the previously-renewed permit (same location in this permit), has been changed from "Synthetic Minor" to "Natural Minor."

(2) The responsible official and permit contact person, as indicated on the cover page of the previously-renewed permit (same location in this permit), have been changed to Michael Anastasio, Environmental, Health, & Safety Manager, (215) 616-6275, manastasio@colorcon.com.

(3) An e-mail address for the permit contact person has been added to the cover page of this permit.

(4) The following for Condition # 003, Section B, of the previously-renewed permit (same condition number in this permit):

(i) The citation to 25 Pa. Code § 127.703(c) has been removed.

(ii) The following for Sub-condition (c):

(A) References to an annual operating permit administrative fee and 25 Pa. Code § 127.703(c) have been removed.

(B) The language of the second sentence has been changed to require the permittee to submit the application fee "with the fee form to the respective regional office."

(C) The application and annual operating permit administrative fee schedule, as specified in Sub-condition (c)(1)–(2), has been removed.

(5) The following for Condition # 004, Section B, of the previously-renewed permit (same condition number in this permit):

(i) The application and annual operating permit administrative fee schedules, as specified in Sub-conditions (a)–(b), respectively, have been removed.

(ii) The following for Sub-condition (c):

(A) It has been reorganized as Sub-condition (b).

(B) The phrase "with the permit number clearly indicated and submitted to the respective regional office" has been added to the end of the sub-condition.

(iii) An annual operating permit maintenance fee schedule for synthetic minor and non-synthetic minor facilities has been added as Sub-conditions (a)(1)–(2), respectively.

(6) The following for Condition # 011, Section B, of the previously-renewed permit (same condition number in this permit):

(i) Citations to 25 Pa. Code §§ 127.465 and 127.703 have been added.

(ii) The following for Sub-condition (d):

**SECTION H. Miscellaneous.**

- (A) The references to 25 Pa. Code § 127.541 and "the public notification procedures in [25 Pa. Code] §§ 127.424 and 127.425" have been removed.
- (B) A requirement to "submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465" has been added.
- (iii) A statement that "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" has been added as Sub-condition (e).
- (7) Requirements that "emissions reports ... contain sufficient information to enable the Department to complete its emission inventory," and "be made ... in a format specified by the Department," have been added as Condition # 024, Section B, of this permit.
- (8) The exceptions for emission into the outdoor atmosphere of fugitive air contaminants from blasting in pit mines and from coke oven batteries indicated in Condition # 002(g)–(h), Section C, of the previously-renewed permit, respectively, have been removed.
- (9) An exception from the visible emission restrictions specified in 25 Pa. Code § 123.41 for the operation of equipment used solely to train and test persons in observing the opacity of visible emissions has been added to Condition # 006, Section C, of the previously-renewed permit (same condition number in this permit), as Sub-condition (b).
- (10) Condition # 014, Section C, of the previously-renewed permit (same condition number in this permit), has been updated to include additional requirements pertaining to malfunctions, as well as new requirements pertaining to emergencies and incidents of excess emissions.
- (11) Condition # 016, Section C, of the previously-renewed permit, has been moved to Condition # 023, Section B, of this permit.
- (12) The additional authority citation to 40 CFR § 89.112(a), as indicated at the beginning of Condition # 001, Section D, of the previously-renewed permit (same condition number in this permit), has been replaced by an additional authority citation to 40 CFR Part 1039, Appendix I.
- (13) The additional authority citation to 40 CFR § 80.510(c)(1)–(2), as indicated at the beginning of Condition # 002, Section D, of the previously-renewed permit (same condition number in this permit), has been replaced by an additional authority citation to 40 CFR § 1090.305(b)–(c).
- (14) Condition #s 005 and 022, Section D, of the previously-renewed permit, have been removed.
- (15) The language of Condition # 006(b), Section D, of the previously-renewed permit (Condition # 005, Section D, of this permit), has been changed such that the waiver of testing requirements for a shipment of diesel fuel/No. 2 fuel oil consumed by the engine of the emergency generator set applies when the other certification from the fuel supplier includes the information specified in Condition # 009, Section D, of this permit.
- (16) A requirement to maintain records of the reading on the hour-meter of the emergency generator set whenever maintenance is performed on the engine has been added to Condition # 012, Section D, of the previously-renewed permit (Condition # 011, Section D, of this permit), as Sub-condition (b).
- (17) The following for Condition # 016, Section D, of the previously-renewed permit (Condition # 015, Section D, of this permit):
- (i) The paragraph at the beginning of the condition has been reorganized as Sub-condition (a).
 - (ii) Sub-condition (a) has been reorganized as Sub-condition (b).
 - (iii) Sub-condition (b) has been removed.
- (18) The following for Condition # 017, Section D, of the previously-renewed permit (Condition # 016, Section D, of this permit):
- (i) The footnote has been removed.
 - (ii) The EPA mailing address at which to submit copies of all requests, reports, applications, and other communications for the engine of the emergency generator set that are required to be submitted pursuant to any applicable provision of 40 CFR Part 60,

**SECTION H. Miscellaneous.**

Subpart IIII, has been updated.

(19) The following for Condition # 020, Section D, of the previously-renewed permit (same condition number in this permit):

- (i) The additional authority citation to 40 CFR Part 97, Subpart BBBB, as indicated at the beginning of the condition, has been replaced by additional authority citations to 40 CFR Part 97, Subparts EEEEE and GGGGG.
- (ii) The references and citations to the terms "Transport Rule (TR) NO_x Annual allowance" and "TR NO_x Ozone Season allowance" in Sub-condition (a) have been replaced by references and citations to the terms "Clean Air Interstate Rule (CAIR) NO_x allowance" and "CAIR NO_x Ozone Season allowance," respectively.
- (iii) The citation to the condition indicating the method for calculating the actual NO_x emissions from the engine of the emergency generator set during each ozone season has been corrected.
- (iv) The language of the note at the end of the condition has been updated to reflect the current requirements regarding the CSAPR and NO_x allowances.

(20) The language of Condition # 021(a)–(b), Section D, of the previously-renewed permit (same condition number in this permit), has been corrected to apply to "sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities," not only "an engine(s) subject to 25 Pa. Code § 129.204 at any of the permittee's other facilities."

(21) A requirement to calculate the actual NO_x emissions from the engine of the emergency generator set during the ozone season using the 1-year average emission rate calculated from the results of the most recent NO_x emission testing, and a statement that the permittee may use an alternative method for calculating the allowable NO_x emissions and actual NO_x emissions from the engine if approved by the Department prior to its implementation, have been added as Condition # 019(a)–(b), Section D, of this permit, respectively.

(22) A separate section for source group restrictions has been added as Section E, of this permit.



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