



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: June 11, 2020 Effective Date: November 21, 2024
Revision Date: November 21, 2024 Expiration Date: June 10, 2025
Revision Type: Modification

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: 46-00158

Synthetic Minor

Federal Tax Id - Plant Code: 23-2249139-1

Owner Information

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

Plant Information

Plant: COLORCON INC/UPPER GWYNEDD
Location: 46 Montgomery County 46953 Upper Gwynedd Township
SIC Code: 2865 Manufacturing - Cyclic Crudes And Intermediates

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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Source ID	Source Name	Capacity/Throughput		Fuel/Material
032A	BUILDING 415 BOILER 2	6.300	MMBTU/HR	
		6.180	MCF/HR	Natural Gas
033	BUILDING 420 BOILER 1	3.500	MMBTU/HR	
		3.430	MCF/HR	Natural Gas
034	BUILDING 420 BOILER 2	3.500	MMBTU/HR	
		3.430	MCF/HR	Natural Gas
035	BUILDING 415 BOILER 1	6.123	MMBTU/HR	
		6.000	MCF/HR	Natural Gas
109	PVAP FLUID BED DRYER 2			
116A	PVAP REACTION VESSELS (2)			
117	PVAP FLUID BED DRYER 1			
118	PVAP PRODUCTION PROCESS FUGITIVE EMISSION SOURCES			
120	LAKE PLANT SPRAY DRYER	3.500	MMBTU/HR	
		3.430	MCF/HR	Natural Gas
		606.000	Lbs/HR	COLORANT & SUBSTRAT
123	LAKE PLANT TANKS (7)	606.000	Lbs/HR	COLORANT & SUBSTRAT
125C	BLDG 420 DRY DISPERSION AREA BLENDERS (8) & GRINDERS (2)	2,600.000	Lbs/HR	INKS & DYES
127B	BUILDING 420 WET DISPERSION AREA BLENDERS (7)	730.000	Lbs/HR	INKS & DYES
129	BUILDING 420 IT DATA CENTER EMERGENCY GENERATOR SET	6.900	Gal/HR	Diesel Fuel
130	BUILDING 420 ROOFTOP EMERGENCY GENERATOR SET	205.700	CF/HR	Natural Gas
C109	PVAP FLUID BED DRYER 2 INTEGRAL FILTER CHAMBER			
C116	PVAP EJECTOR WET SCRUBBER			
C117	PVAP FLUID BED DRYER 1 INTEGRAL FILTER CHAMBER			
C119	LAKE PLANT HIGH-ENERGY WET SCRUBBER			
C120	LAKE PLANT SPRAY DRYER DUST COLLECTOR			
C120A	REPLACEMENT LAKE PLANT SPRAY DRYER DUST COLLECTOR			
C125	BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 1		N/A	INKS & DYES
C126	BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 2		N/A	INKS & DYES
FML01	NATURAL GAS PIPELINE			
FML03	BLDG 420 IT DATA CENTER EMERGENCY GENSET DIESEL SUB-BASE TK			
S032	BUILDING 415 BOILER 2 STACK			
S033	BUILDING 420 BOILER 1 STACK			
S034	BUILDING 420 BOILER 2 STACK			
S035	BUILDING 415 BOILER 1 STACK			
S109	PVAP FLUID BED DRYER 2 STACK			
S116	PVAP EJECTOR SCRUBBER STACK			

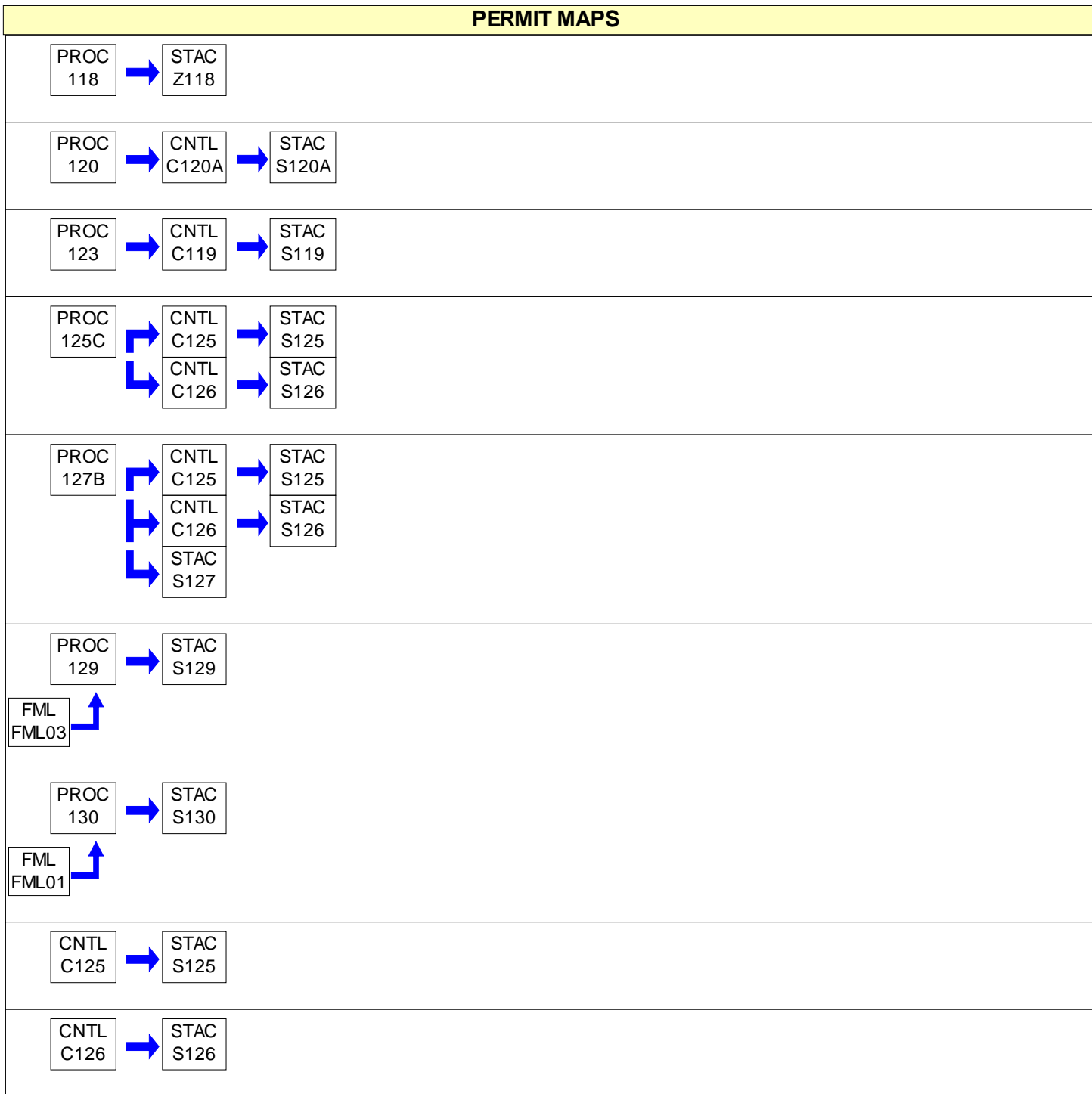
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S117	PVAP FLUID BED DRYER 1 STACK		
S119	LAKE PLANT HIGH-ENERGY WET SCRUBBER STACK		
S120A	REPLACEMENT LAKE PLANT SPRAY DRYER DUST COLLECTOR STACK		
S125	BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 1 STACK		
S126	BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 2 STACK		
S127	BUILDING 420 WET DISPERSION AREA LIQ INGRED DISPENSE RM STK		
S129	BUILDING 420 IT DATA CENTER EMERGENCY GENERATOR SET STACK		
S130	BUILDING 420 ROOFTOP EMERGENCY GENERATOR SET STACK		
Z118	PVAP PRODUCTION PROCESS FUGITIVE EMISSIONS		

PERMIT MAPS



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 § 127.11a]**Reactivation of Sources**

(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 # 010(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**

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any source 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 not apply to a visible air contaminant emission in either of the following instances:

**SECTION C. Site Level Requirements**

- (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 §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of PM from this facility occurs in such a manner that the rate of the emission does not exceed 21.0 tons/yr, calculated monthly as a 12-month rolling sum.

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

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOCs) from this facility occurs in such a manner that the rate of the emission does not exceed 14.6 tons/yr, calculated monthly as a 12-month rolling sum.

009 [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.**# 010 [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).]

- (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, 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.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 011 [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.

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

(a) The permittee shall monitor this facility, at least once per operating day, 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) At the end of 6 months, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly for the next 6-month period.

(d) At the end of the second 6-month period, 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.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 63.10(b)(1) and 63.6660(a)–(c), and 25 Pa. Code §§ 127.35(b) and 127.443(b).]

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.

014 [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:

**SECTION C. Site Level Requirements**

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

015 [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.

016 [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 (tons) from this facility on a monthly and 12-month rolling basis, calculated using Department-approved methods:

- (a) The total PM emissions.
- (b) The total VOC emissions.

V. REPORTING REQUIREMENTS.**# 017 [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 63.6655(a)(2) and (5), and 25 Pa. Code Chapter 122 and § 127.35(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 and 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 emailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.

**SECTION C. Site Level Requirements**

(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 the malfunction or incident of excess emissions.
- (5) The estimated rate of emissions.
- (6) The corrective actions or preventative measures taken to minimize emissions, in accordance with Condition # 020, Section C, of this permit, including any corrective action(s) taken to restore malfunctioning equipment to its normal or usual manner of operation.

(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 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 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.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 68.]

(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.

**SECTION C. Site Level Requirements**

(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 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.**# 019 [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.

020 [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.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate the following emissions (tons) from this facility on a monthly and 12-month rolling basis, using Department-approved methods:

(a) The total PM emissions.

(b) The total VOC emissions.

022 [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:



SECTION C. Site Level Requirements

- (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 onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR §§ 63.6(e)(1)(i)–(ii) and 63.6605(b), and 25 Pa. Code §§ 127.35(b), 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, for minimizing emissions, and in accordance with the manufacturers' specifications.

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).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 032A

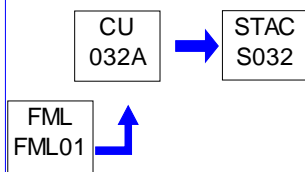
Source Name: BUILDING 415 BOILER 2

Source Capacity/Throughput:

6.300 MMBTU/HR

6.180 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of PM from this boiler occurs in such a manner that the rate of the emission does not exceed 0.4 lb/mmBtu heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides (SO_x), expressed as sulfur dioxide (SO₂), from this boiler occurs in such a manner that the rate of the emission does not exceed 1.2 lb/mmBtu heat input.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that natural gas is the only fuel consumed by this boiler. The application of any other fuels shall be approved by the Department prior to their application.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a natural gas-fired boiler, model no. 2150V-150S-04, manufactured by Williams & Davis Boilers. The boiler is located in Building 415, and is rated at 6.3 mMBtu/hr heat input (150 boiler hp).

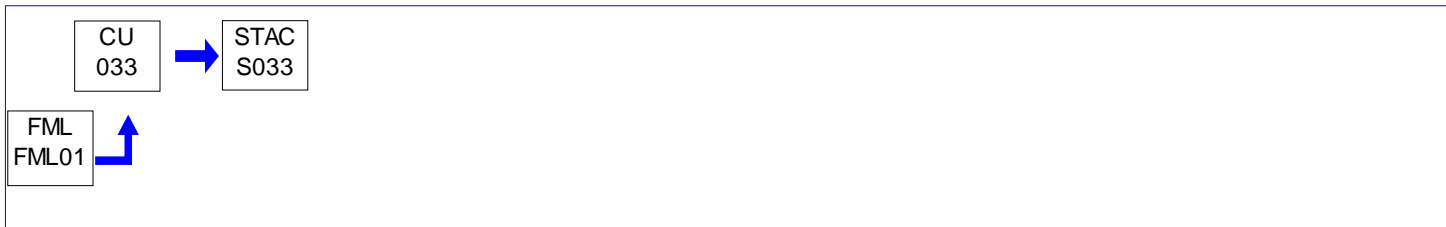
**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: BUILDING 420 BOILER 1

Source Capacity/Throughput: 3.500 MMBTU/HR

3.430 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of PM from this boiler occurs in such a manner that the rate of the emission does not exceed 0.4 lb/mmBtu heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of SO_x, expressed as SO₂, from this boiler occurs in such a manner that the rate of the emission does not exceed 1.2 lb/mmBtu heat input.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that natural gas is the only fuel consumed by this boiler. The application of any other fuels shall be approved by the Department prior to their application.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a natural gas-fired boiler (no. 1), model no. FLX-350, manufactured by Cleaver-Brooks Boiler Co. The boiler is located in Building 420 and rated at 3.5 mmBtu/hr heat input (84 boiler hp).

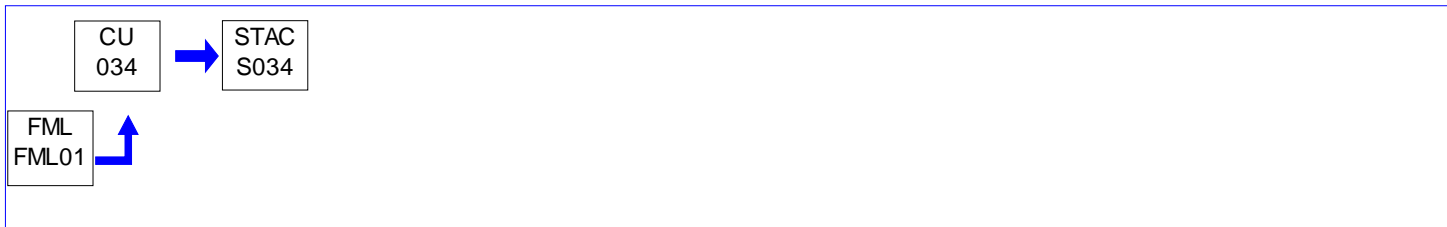
**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: BUILDING 420 BOILER 2

Source Capacity/Throughput: 3.500 MMBTU/HR

3.430 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of PM from this boiler occurs in such a manner that the rate of the emission does not exceed 0.4 lb/mmBtu heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of SO_x, expressed as SO₂, from this boiler occurs in such a manner that the rate of the emission does not exceed 1.2 lb/mmBtu heat input.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that natural gas is the only fuel consumed by this boiler. The application of any other fuels shall be approved by the Department prior to their application.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a natural gas-fired boiler (no. 2), model no. FLX-350, manufactured by Cleaver-Brooks Boiler Co. The boiler is located in Building 420 and rated at 3.5 mBtu/hr heat input (84 boiler hp).

**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: BUILDING 415 BOILER 1

Source Capacity/Throughput: 6.123 MMBTU/HR

6.000 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of PM from this boiler occurs in such a manner that the rate of the emission does not exceed 0.4 lb/mmBtu heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall ensure that emission into the outdoor atmosphere of SO_x, expressed as SO₂, from this boiler occurs in such a manner that the rate of the emission does not exceed 1.2 lb/mmBtu heat input.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that natural gas is the only fuel consumed by this boiler. The application of any other fuels shall be approved by the Department prior to their application.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for this boiler on a monthly basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

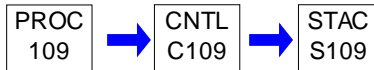
This source consists of a natural gas-fired boiler, model no. E154, manufactured by Clayton Industries. The boiler is located in Building 415, and is rated at 6.123 mmBtu/hr heat input (150 boiler hp).

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: PVAP FLUID BED DRYER 2

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this PVAP fluid bed dryer occurs in such a manner that the concentration of filterable PM in the exhaust gas, as measured at the outlet of the associated dust collector (Source ID C109), does not exceed 0.02 grains per dry standard cubic foot (gr/dscf).

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

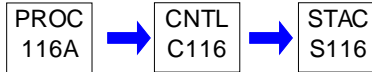
This source consists of a PVAP fluid bed dryer, model no. WSG-200, manufactured by Glatt Air Techniques, Inc. The fluid bed dryer is heated by steam from Building 415 boilers 1 and 2 (Source IDs 035 and 032A, respectively). PM emissions from the fluid bed dryer proceed through an integral filter chamber (Source ID C109) before exhausting into the outdoor atmosphere. The fluid bed dryer is rated at 4,500 acfm and uses a fabric filter bag with 42 filter tubes.

**SECTION D. Source Level Requirements**

Source ID: 116A

Source Name: PVAP REACTION VESSELS (2)

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that emission into the outdoor atmosphere of VOCs from these PVAP reaction vessels occurs in such a manner that the rate of the emission does not exceed 1.72 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for these PVAP reaction vessels:

- (a) The type of material used per batch.
- (b) The amount of material used per batch.
- (c) The number of hours per batch.
- (d) The number of batches produced on a monthly basis.

003 [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 the ejector wet scrubber (Source ID C116) associated with these PVAP reaction vessels at least once per operating shift:

- (a) The flow/recirculation rate (gals/min) of the scrubber liquid.
- (b) The differential pressure (inches of water) across the scrubber.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total VOC emissions from these PVAP reaction vessels on a monthly (pounds) and 12-month rolling (pounds and tons) basis, using a Department-approved method(s).

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for these PVAP reaction vessels:

- (a) The type of material used per batch.

**SECTION D. Source Level Requirements**

- (b) The amount of material used per batch.
- (c) The number of hours per batch.
- (d) The number of batches produced on a monthly and 12-month rolling basis.

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

The permittee shall maintain records of the following operating parameters for the ejector wet scrubber (Source ID C116) associated with these PVAP reaction vessels at least once per operating shift:

- (a) The flow/recirculation rate (gals/min) of the scrubber liquid.
- (b) The differential pressure (inches of water) across the scrubber.

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 maintain records of the manufacturer's specifications for the operation and maintenance of these PVAP reaction vessels and the associated ejector wet scrubber (Source ID C116).

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

The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, parts replacement, adjustments, calibrations, etc.) performed for the ejector wet scrubber (Source ID C116) associated with these PVAP reaction vessels. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

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 total VOC emissions from these PVAP reaction vessels on a monthly (pounds) and 12-month rolling (pounds and tons) basis, calculated using a Department-approved method(s).

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.**# 010 [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 a reaction occurs in only one of these PVAP reaction vessels at any given time.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the ejector wet scrubber (Source ID C116) associated with these PVAP reaction vessels is operating whenever either of the reaction vessels is being vented.

**SECTION D. Source Level Requirements****# 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).]

(a) The permittee shall operate and maintain a rotameter or equivalent, as approved by the Department, to indicate the flow/recirculation rate of scrubber liquid in the ejector wet scrubber (Source ID C116) associated with these PVAP reaction vessels. The permittee shall maintain the flow/recirculation rate of scrubber liquid in the scrubber within the range of 35–45 gals/min.

(b) The permittee shall operate and maintain a differential manometer or equivalent, as approved by the Department, to indicate the differential pressure across the scrubber associated with the PVAP reaction vessels. The permittee shall maintain the differential pressure across the scrubber at equal to or greater than 2 inches of water.

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source grouping consists of two, identical, jacketed PVAP reaction vessels manufactured by Lee Industries, Inc., Process Systems and Equipment Division. The reaction vessels are heated by steam from Building 415 boilers 1 and 2 (Source IDs 035 and 032A, respectively). Each reaction vessel has a capacity of 250 gals and is equipped with a mixer.

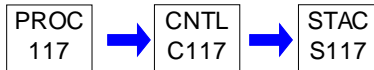
(b) VOC emissions from the PVAP reaction vessels are ducted to an ejector (venturi) wet scrubber (Source ID C116), model no. 725, manufactured by Environmental Systems Technology Corp., before exhausting into the outdoor atmosphere.

**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: PVAP FLUID BED DRYER 1

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this PVAP fluid bed dryer occurs in such a manner that the concentration of filterable PM in the exhaust gas, as measured at the outlet of the associated dust collector (Source ID C117), does not exceed 0.02 gr/dscf.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

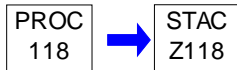
This source consists of a PVAP fluid bed dryer, model no. WSG-200, manufactured by Glatt Air Techniques, Inc. The fluid bed dryer is heated by steam from Building 415 boilers 1 and 2 (Source IDs 035 and 032A, respectively). PM emissions from the fluid bed dryer proceed through an integral filter chamber (Source ID C117) before exhausting into the outdoor atmosphere. The fluid bed dryer is rated at 4,500 acfm and uses a fabric filter bag with 42 filter tubes.

**SECTION D. Source Level Requirements**

Source ID: 118

Source Name: PVAP PRODUCTION PROCESS FUGITIVE EMISSION SOURCES

Source Capacity/Throughput:

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

The permittee shall ensure that emission into the outdoor atmosphere of VOCs from these PVAP production process fugitive emission sources occurs in such a manner that the rate of the emission does not exceed 1.04 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following operating parameters for these PVAP production process fugitive emission sources:

- (a) The type of material used per batch.
- (b) The amount of material used per batch.
- (c) The number of hours per batch.
- (d) The number of batches produced on a monthly basis.

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

The permittee shall calculate the total VOC emissions from these PVAP fugitive emission sources on a monthly (pounds) and 12-month rolling (pounds and tons) basis, using a Department-approved method(s).

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

The permittee shall maintain records of the following operating parameters for these PVAP production process fugitive emission sources:

- (a) The type of material used per batch.
- (b) The amount of material used per batch.
- (c) The number of hours per batch.
- (d) The number of batches produced on a monthly and 12-month rolling basis.

**SECTION D. Source Level Requirements****# 005 [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 total VOC emissions from these PVAP production process fugitive emission sources on a monthly (pounds) and 12-month rolling (pounds and tons) basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This source grouping consists of various fugitive emission sources of the PVAP production process, as follows:

- (a) A 55% acetic acid process tank.
- (b) A 4,554-gal homogenizing tank.
- (c) A 2,274-gal homogenizing tank.
- (d) A filter press.
- (e) A sump.

**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: LAKE PLANT SPRAY DRYER

Source Capacity/Throughput: 3.500 MMBTU/HR

3.430 MCF/HR

Natural Gas

606.000 Lbs/HR

COLORANT & SUBSTRATE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall ensure that emission into the outdoor atmosphere of PM from this lake plant spray dryer occurs in such a manner that the concentration of filterable PM in the exhaust gas, as measured at the outlet of the associated dust collector (Source ID C120A), does not exceed 0.04 gr/dscf.

002 [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) and 139.12(c).]

The permittee shall ensure that emission into the outdoor atmosphere of filterable PM from this lake plant spray dryer occurs in such a manner that the rate of the emission does not exceed 6.57 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following operating parameters for this lake plant spray dryer:

- (a) The type of material used per batch.
- (b) The amount of material (kilograms and pounds) used per batch.
- (c) The number of hours per batch.
- (d) The number of batches produced on a monthly basis.
- (e) The amount of natural gas consumed on a monthly basis.

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 monitor the differential pressure (inches of water) across the dust collector (Source ID C120A) associated with this lake plant spray dryer at least once per operating shift.

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

The permittee shall calculate the total filterable PM emissions from this lake plant spray dryer on a monthly (pounds) and 12-month rolling (pounds and tons) basis, using a Department-approved method(s).

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

The permittee shall maintain records of the following operating parameters for this lake plant spray dryer:

- (a) The type of material used per batch.
- (b) The amount of material (kilograms and pounds) used per batch.
- (c) The number of hours per batch.
- (d) The number of batches produced on a monthly and 12-month rolling basis.
- (e) The amount of natural gas consumed on a monthly and 12-month rolling basis.

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

The permittee shall maintain records of the differential pressure (inches of water) across the dust collector (Source ID C120A) associated with this lake plant spray dryer at least once per operating shift.

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 manufacturer's specifications for the operation and maintenance of this lake plant spray dryer and the associated dust collector (Source ID C120A).

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

The permittee shall maintain records of all maintenance performed for the dust collector (Source ID C120A) associated with this lake plant spray dryer. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

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

The permittee shall maintain records of the total filterable PM emissions from this lake plant spray dryer on a monthly (pounds) and 12-month rolling (pounds and tons) basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

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

The permittee shall ensure that the dust collector (Source ID C120A) associated with this lake plant spray dryer is operating whenever lake material is being dried in the spray dryer.

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 operate and maintain a differential manometer or equivalent, as approved by the Department, to indicate the differential pressure across the dust collector (Source ID C120A) associated with this lake plant spray dryer. The permittee shall maintain the differential pressure across the dust collector within the range of 1.5–9 inches of water.

013 [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 filter bags used in the dust collector (Source ID C120A) associated with this lake plant spray dryer are replaced as needed. The permittee shall keep a sufficient quantity of spare filter bags on hand for replacement of any deteriorated or ineffective filter bags.

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

(a) This source consists of a natural gas-fired lake plant spray dryer manufactured by Niro. The spray dryer is rated at 3.5 mmBtu/hr heat input.

(b) PM emissions from the spray dryer are ducted to a dust collector (Source ID C120A), model no. PR-42-9(6)-H-N, manufactured by AeroPulse, Inc., before exhausting into the outdoor atmosphere. The dust collector is rated at ~4,000 acfm and uses 42 filter bags.

(c) Water sprays and a demister are located after the dust collector specified in (b), above, to condense and remove any water vapor in the exhaust gas that may contain dissolved lake material (i.e., not for PM control). The demister is designed to evaporate and exhaust 900 lbs/hr of water.

**SECTION D. Source Level Requirements**

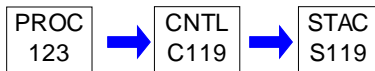
Source ID: 123

Source Name: LAKE PLANT TANKS (7)

Source Capacity/Throughput:

606.000 Lbs/HR

COLORANT & SUBSTRATE

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from these lake plant tanks occurs in such a manner that the concentration of filterable PM in the exhaust gas, as measured at the outlet of the associated high-energy wet scrubber (Source ID C119), does not exceed 0.02 gr/dscf.

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

002 [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 emission into the outdoor atmosphere of PM from these lake plant tanks occurs in such a manner that the rate of the emission does not exceed either 0.044 lbs/hr or 0.192 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following operating parameters for these lake plant tanks on a monthly basis:

- (a) The number of batches produced.
- (b) The amount of colorant (kilograms and pounds) produced.

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 monitor the following operating parameters for the high-energy wet scrubber (Source ID C119) associated with these lake plant tanks once per operating shift:

- (a) The flow/recirculation rate (gals/min) of the scrubber liquid.
- (b) The differential pressure (inches of water) across the scrubber.

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

The permittee shall calculate the total PM emissions from these lake plant tanks on a monthly (pounds) and 12-month rolling (pounds and tons) basis, using a PM emission factor of 4.05 lbs/100,000 lbs colorant produced.¹

¹ The PM emission factor is based on a stack test performed by Colorcon, Inc., in October 2012. A revised PM emission factor(s) may be used instead, provided it is approved by the Department in advance.

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

The permittee shall maintain records of the following operating parameters for these lake plant tanks on a monthly and 12-month rolling basis:

- (a) The number of batches produced.
- (b) The amount of colorant (kilograms and pounds) produced.

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

The permittee shall maintain records of the following operating parameters for the high-energy wet scrubber (Source ID C119) associated with these lake plant tanks once per operating shift:

- (a) The flow/recirculation rate (gals/min) of the scrubber liquid.
- (b) The differential pressure (inches of water) across the scrubber.

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 manufacturer's specifications for the operation and maintenance of these lake plant tanks and the associated high-energy wet scrubber (Source ID C119).

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

The permittee shall maintain records of all maintenance performed for the high-energy wet scrubber (Source ID C119) associated with these lake plant tanks. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

010 [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 total PM emissions from these lake plant tanks on a monthly (pounds) and 12-month rolling (pounds and tons) basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 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 ensure that the high-energy wet scrubber (Source ID C119) associated with these lake plant tanks is operating whenever dry lake material is being loaded into any of the tanks indicated in Condition # 013(b), Section D (under Source ID 123), of this permit.

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).]

(a) The permittee shall operate and maintain a rotameter, or equivalent, as approved by the Department, to indicate the flow/recirculation rate of scrubber liquid in the high-energy wet scrubber (Source ID C119) associated with these lake plant tanks. The permittee shall maintain the flow/recirculation rate of scrubber liquid in the scrubber at equal to or greater than 48 gals/min.

(b) The permittee shall operate and maintain a differential manometer, or equivalent, as approved by the Department, to indicate the differential pressure across the scrubber associated with the lake plant tanks. The permittee shall maintain the differential pressure across the scrubber at equal to or greater than 24 inches of water.

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source grouping consists of seven lake plant tanks (no. T100–T101 and T200–T204).

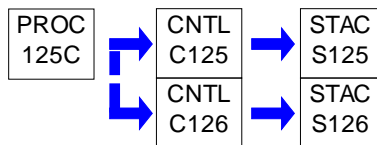
(b) PM emissions generated from the loading of dry lake material into lake plant tanks no. T100 and T202–T203 are ducted to a high-energy wet scrubber (Source ID C119), model type KH, manufactured by Keane Metal Fabricators, Inc., before exhausting into the outdoor atmosphere. The scrubber is rated at 5,000 acfm.

**SECTION D. Source Level Requirements**

Source ID: 125C

Source Name: BLDG 420 DRY DISPERSION AREA BLENDERS (8) & GRINDERS (2)

Source Capacity/Throughput: 2,600.000 Lbs/HR INKS & DYES

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that emission into the outdoor atmosphere of PM from these dry dispersion area blenders and grinders occurs in such a manner that the concentration of filterable PM in the exhaust gas, as measured at the outlet of each associated dust collector (Source IDs C125 and/or C126) operating, does not exceed 0.02 gr/dscf.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for these dry dispersion area blenders and grinders on a monthly basis:

- (a) The number of batches produced.
- (b) The amount of colorant (kilograms and pounds) produced.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total PM emissions (pounds) from these dry dispersion area blenders and grinders on a monthly and 12-month rolling basis, using a PM emission factor of 0.8544 lbs/100,000 lbs colorant produced.²

² The PM emission factor is based on an internal study performed by Colorcon, Inc., in September 2011. A revised PM emission factor(s) may be used instead, provided it is approved by the Department in advance.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for these dry dispersion area blenders and grinders on a monthly and 12-month rolling basis:

- (a) The number of batches produced.

**SECTION D. Source Level Requirements**

(b) The amount of colorant (kilograms and pounds) produced.

005 [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 total PM emissions (pounds) from these dry dispersion area blenders and grinders on a monthly and 12-month rolling basis, calculated using a Department-approved method.

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

The permittee shall ensure that either/both of the dust collectors (Source IDs C125 and/or C126) associated with these dry dispersion area blenders and grinders is/are operating whenever dry colorant material is being processed, as specified in Condition # 007(b), Section D (under Source ID 125C), of this permit, in any of the blenders or grinders, as indicated in Condition # 007(a), Section D (under Source ID 125C), of this permit.

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

(a) This dry dispersion area source grouping consists of eight blenders and two grinders, as follows:

Blender Name/No.	Associated Room No(s). (Associated Operation(s), If Not All)
AZO VM 2000	P164 (Packaging), P264 (Loading/Blending)
AZO VM 2800	P165 (Packaging), P265 (Loading/Blending)
Fitzmill	P141, P154, P264, P265
HM5000	P163 (Blending/Packaging), P263 (Loading)
PK1	P113 (Blending), ³ P114 (Packaging)
PK2	P115 (Blending), ³ P116 (Packaging)
Readco 1	P152 (Packaging), P242–P244 (Loading/Blending)
Readco 2	P153 (Packaging), P242–P244 (Loading/Blending)
Grinder No.	Associated Room Nos.
1A	P141, P154, P161
1B	P141, P154, P161

(b) Except for the blending operations associated with the PK1 and PK2 blenders, PM emissions generated from the loading, blending, and packaging of dry colorant material in(to) the blenders, as applicable, and from the grinding of dry colorant material in the grinders, are ducted to either/both of two dry/wet dispersion area dust collectors (Source IDs C125 and/or C126) before exhausting into the outdoor atmosphere.

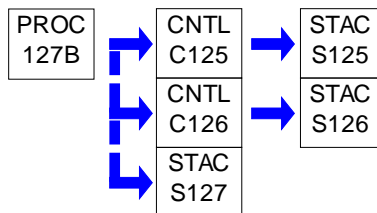
³ Since the PK1 and PK2 blenders are self-contained (i.e., hermetically sealed), no PM emissions are expected from the blending operations. As such, room nos. P113 and P115 are not ducted to the dry/wet dispersion area dust collectors.

**SECTION D. Source Level Requirements**

Source ID: 127B

Source Name: BUILDING 420 WET DISPERSION AREA BLENDERS (7)

Source Capacity/Throughput: 730.000 Lbs/HR INKS & DYES

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

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

The permittee shall ensure that emission into the outdoor atmosphere of PM from these wet dispersion area blenders occurs in such a manner that the concentration of filterable PM in the exhaust gas, as measured at the outlet of each associated dust collector (Source IDs C125 and/or C126) operating, does not exceed 0.02 gr/dscf.

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

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

The permittee shall ensure that emission into the outdoor atmosphere of VOCs from these wet dispersion area blenders, including those from the associated liquid ingredient dispensing room, occurs in such a manner that the rate of the emission does not exceed 10.68 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following operating parameters for these wet dispersion area blenders on a monthly basis:

- (a) The number of batches produced.
- (b) The amount of colorant (kilograms and pounds) produced.

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

**SECTION D. Source Level Requirements**

The permittee shall calculate the total PM (pounds) and VOC (pounds and tons) emissions from these wet dispersion area blenders on a monthly and 12-month rolling basis, using the following emission factors:⁴

Pollutant	Emission Factor (lbs/100,000 lbs colorant produced)	Source of Factor
PM	0.1282	Colorcon
VOCs	745	IES

Colorcon = Colorcon, Inc., Internal Study, September 2011.

IES = IES Engineers, Inc., Report, March 1995.

⁴ Revised emission factors may be used instead, provided they are approved by the Department in advance.

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

The permittee shall maintain records of the following operating parameters for these wet dispersion area blenders on a monthly and 12-month rolling basis:

- (a) The number of batches produced.
- (b) The amount of colorant (kilograms and pounds) produced.

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 maintain records of the following emissions from these wet dispersion area blenders on a monthly and 12-month rolling basis, calculated using Department-approved methods:

- (a) The total PM emissions (pounds).
- (b) The total VOC emissions (pounds and tons).

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

The permittee shall ensure that either/both of the dust collectors (Source IDs C125 and/or C126) associated with these wet dispersion area blenders is/are operating whenever dry colorant material is being loaded into any of the blenders indicated in Condition # 008(b), Section D (under Source ID 127B), of this permit.

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

**SECTION D. Source Level Requirements**

(a) This wet dispersion area source grouping consists of seven blenders, as follows:

Blender Name/No.	Associated Room No.
Kady 10T	P127
Kady 20T	P128
Kady 25T	P129
Wet Bead	P125
Wet DH-3 Hockmeyer	P135
Wet HSD-15	P136
Wet K-6 Kady	P124

(b) PM emissions generated from the loading of dry colorant materials into all blenders except the wet bead blender, as well as VOC emissions from the colorant materials used in the wet bead blender (liquid process with no dust generated) are ducted to either/both of two dry/wet dispersion area dust collectors (Source IDs C125 and/or C126) before exhausting into the outdoor atmosphere.

**SECTION D. Source Level Requirements**

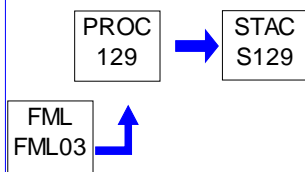
Source ID: 129

Source Name: BUILDING 420 IT DATA CENTER EMERGENCY GENERATOR SET

Source Capacity/Throughput:

6.900 Gal/HR

Diesel Fuel

**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 § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the plan approval-exempt engine of this emergency generator set does not exceed the following rates:

Pollutant(s)	g/bkW-hr (g/bhp-hr)
CO	5.0 (3.7)
NO _x + NMHCs	4.0 (3.0)
PM	0.30 (0.22)

CO = Carbon monoxide.

NO_x = Nitrogen oxides.

NMHCs = Non-methane hydrocarbons.

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

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

The permittee shall ensure that the emission into the outdoor atmosphere of NO_x from the plan approval-exempt engines of this emergency generator set and the Building 420 rooftop emergency generator set (Source ID 130) is less than the following rates:

- 100 lbs/hr.
- 1,000 lbs/day.
- 2.75 tons per ozone season (i.e., the period from May 1–September 30 of each year).
- 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- The permittee shall ensure that diesel fuel is the only fuel consumed by the plan approval-exempt engine of this emergency generator set.

**SECTION D. Source Level Requirements**

(b) The diesel fuel shall comply with the following per-gallon standards:

- (1) The sulfur content shall not exceed 15 ppm (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.

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

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60.4211(f)(2)–(3) and 25 Pa. Code Chapter 122.]

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

- (a) A total operating time of less than 500 hrs/yr, calculated monthly as a 12-month rolling sum.
- (b) A total operating time of less than or equal to a total of 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:⁵
 - (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 a total of 100 hours per calendar year for the following purposes:
 - (1) Any maintenance checks, including readiness testing and tune-ups.

⁵ On September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted the United States Environmental Protection Agency (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**

(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, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit.]

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 consumed by the plan approval-exempt 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:

Constituent/Property	ASTM Standards
Sulfur	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 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 # 008, Section D (under Source ID 129), of this permit.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total NO_x emissions (pounds and tons; either actual or worst-case) from the plan approval-exempt engines of this emergency generator set and the Building 420 rooftop emergency generator set (Source ID 130) on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 amount of diesel fuel consumed by the plan approval-exempt engine of the emergency generator set on a monthly basis.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (a) The type(s) of operation (i.e., those indicated in Condition # 004(c)(1)–(2), Section D (under Source ID 129), of this permit), 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 (i.e., calendar-year) basis.
 - (2) The total hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (c) The amount of diesel fuel consumed by the plan approval-exempt 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.**

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of diesel fuel received for the plan approval-exempt engine of this emergency generator set. The laboratory analysis or other certification shall specify both of the following:

- (a) The 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 plan approval-exempt engine of this emergency generator set.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of all maintenance performed for the plan approval-exempt engine of 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.**

The permittee shall maintain records of the total NO_x emissions (pounds and tons; either actual or worst-case) from the plan approval-exempt engines of this emergency generator set and the Building 420 rooftop emergency generator set (Source ID 130) on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 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 (c), and 25 Pa. Code Chapter 122 and § 127.444.]

- (a) The permittee shall ensure that the plan approval-exempt engine of this emergency generator set is configured, operated, and maintained in accordance with the manufacturers' 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.]

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

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. DSFAE, manufactured by Cummins Power Generation, Inc. The emergency generator set is rated at 80 kW power output.
- (b) The emergency generator set is equipped with a four-cylinder, diesel fuel-fired (plan approval-exempt) internal combustion engine, model no. QSB5-G3 NR3, manufactured by Cummins, Inc. The engine is rated at 145 bhp power output and has a displacement of 1.13 liters per cylinder.

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

The plan approval-exempt engine of this emergency generator set, as specified in Condition # 015(b), Section D (under Source ID 129), of this permit, is subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart IIII.⁶ 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

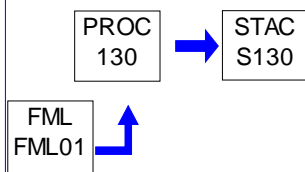
⁶ The engine is also subject to 40 CFR Part 63, Subpart ZZZZ, but, as indicated in 40 CFR § 63.6590(c)(1), shall comply with this regulation by complying with the provisions of 40 CFR Part 60, Subpart IIII, instead.

**SECTION D. Source Level Requirements**

Source ID: 130

Source Name: BUILDING 420 ROOFTOP EMERGENCY GENERATOR SET

Source Capacity/Throughput: 205.700 CF/HR Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall ensure that emission into the outdoor atmosphere of PM from the plan approval-exempt engine of this emergency generator set occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

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

The permittee shall ensure that the emission into the outdoor atmosphere of NO_x from the plan approval-exempt engines of this emergency generator set and the Building 420 IT Data Center emergency generator set (Source ID 129) is less than the following rates:

- (a) 100 lbs/hr.
- (b) 1,000 lbs/day.
- (c) 2.75 tons per ozone season.
- (d) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that natural gas is the only fuel consumed by the plan approval-exempt engine of this emergency generator set.

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

[Additional authority for this permit condition is derived from 40 CFR § 63.6640(f)(2) and (4)(ii)(A)–(E), and 25 Pa. Code §§ 127.35(b) and 127.443(b).]

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

- (a) A total operating time of less than 500 hrs/yr, calculated monthly as a 12-month rolling sum.
- (b) A total operating time of less than or equal to a total of 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving.

**SECTION D. Source Level Requirements**

(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:⁷

(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 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 a total of 100 hours per calendar year for the following purposes:

(1) Any maintenance checks, 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 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit.]

⁷ On September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted EPA's motion for voluntary remand without vacatur of the provisions of 40 CFR § 63.6640(f)(4)(ii)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total NOx emissions (pounds and tons; either actual or worst-case) from the plan approval-exempt engines of this emergency generator set and the Building 420 IT Data Center emergency generator set (Source ID 129) on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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:

**SECTION D. Source Level Requirements**

- (1) The hours of operation for each type of operation.
- (2) The total hours of operation.
- (c) The amount of natural gas consumed by the plan approval-exempt engine of the emergency generator set on a monthly basis.

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

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 amount of natural gas consumed by the plan approval-exempt engine of the emergency generator set on a monthly and 12-month rolling basis, calculated using a Department-approved method.

008 [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 plan approval-exempt engine of this emergency generator set.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 63.10(b)(1), 63.6625(i)–(j), and 63.6655(a)(1) and (4); and 25 Pa. Code § 127.35(b).]

The permittee shall maintain records of the following for the plan approval-exempt engine of this emergency generator set:

- (a) All notifications required to comply with all applicable provisions of 40 CFR Part 63, Subpart ZZZZ (along with all supporting documentation).
- (b) All maintenance performed. These records shall contain, at a minimum, the following:
 - (1) The date and time of the maintenance.
 - (2) The reading on the hour-meter of the emergency generator set.
 - (3) The type of maintenance performed.
- (c) All oil analyses performed as part of the oil analysis program specified in Condition # 012(b)(1)–(4), Section D (under Source ID 130), of this permit. These records shall contain, at a minimum, the following for each oil analysis:
 - (1) The date that the oil analysis is performed.
 - (2) The parameters analyzed.
 - (3) The date that the results of the oil analysis are received.

**SECTION D. Source Level Requirements**

(4) The results of the analysis.

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

The permittee shall maintain records of the total NOx emissions (pounds and tons; either actual or worst-case) from the plan approval-exempt engines of this emergency generator set and the Building 420 IT Data Center emergency generator set (Source ID 129) on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 40 CFR §§ 63.6625(e)(2) and 63.6640(a), and 25 Pa. Code §§ 127.35(b) and 127.444.]

(a) The permittee shall ensure that the plan approval-exempt engine of this emergency generator set is operated and maintained in accordance with the manufacturers' 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.

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

[Additional authority for this permit condition is derived from 40 CFR § 63.6625(f) and 25 Pa. Code § 127.35(b).]

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

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

[Additional authority for this permit condition is derived from 40 CFR §§ 63.6602, 63.6605(a), and 63.6625(h) and (j); and 25 Pa. Code § 127.35(b).]

(a) The permittee shall ensure that the plan approval-exempt engine of this emergency generator set is operated and maintained in accordance with the following practices:

(1) The amount of time spent at idle during startup is minimized.

(2) The total amount of startup time is minimized to that needed to ensure appropriate and safe loading of the engine, but no greater than 30 minutes.

(3) Except as specified in (b)(3), below, the oil and filter are changed every 500 hours of operation or on an annual basis, whichever comes first.

(4) The spark plugs are inspected every 1,000 hours of operation or on an annual basis, whichever comes first, and replaced as necessary.

(5) All hoses and belts are inspected every 500 hours of operation or on an annual basis, whichever comes first, and replaced as necessary.

**SECTION D. Source Level Requirements**

(b) The permittee may utilize an oil analysis program in order to extend the period for changing the oil in the engine, as specified in (a)(3), above, as follows:

(1) The oil analysis shall be performed at the same frequency as specified in (a)(3), above, for changing the oil.

(2) The oil analysis shall be performed for at least the following parameters, so that compliance with the following condemning limits can be determined:

(i) Total acid number: Increases by greater than 3.0 milligrams of potassium hydroxide (KOH) per gram of oil from the total acid number of the oil when new.

(ii) Viscosity: Changed by greater than 20% from the viscosity of the oil when new.

(iii) Percent water (by volume): Greater than 0.5.

(3) If none of the condemning limits specified in (b)(2)(i)–(iii), above, are exceeded for the engine, the permittee is not required to change the oil in the engine.

(4) If any of the condemning limits specified in (b)(2)(i)–(iii), above, are exceeded for the engine, the permittee shall change the oil in the engine within 2 business days after receiving the results of the analysis, or before commencing operation, whichever is later.

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

(a) This source consists of an emergency generator set, model no. GNAC, manufactured by Onan (Cummins Power Generation). The emergency generator set is rated at 14 ekW power output.

(b) The emergency generator set is equipped with a four-cylinder, natural gas-fired (plan approval-exempt) internal combustion engine, model no. LPWG4, manufactured by Lister-Petter, Inc. The engine is rated at 24.2 bhp power output and has a displacement of 0.465 liters per cylinder.

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

The plan approval-exempt engine of this emergency generator set, as specified in Condition # 015(b), Section D (under Source ID 130), of this permit, is subject to, and shall comply with all applicable provisions of, 40 CFR Part 63, Subpart ZZZZ. In accordance with 40 CFR § 63.13, 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

**SECTION D. Source Level Requirements**

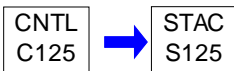
Source ID: C125

Source Name: BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 1

Source Capacity/Throughput:

N/A

INKS & DYES

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

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

The permittee shall ensure that emission into the outdoor atmosphere of PM from any of the dry dispersion area blenders and grinders (Source ID 125C) and/or wet dispersion area blenders (Source ID 127B) through this dust collector occurs in such a manner that the concentration of filterable PM in the exhaust gas does not exceed 0.02 gr/dscf.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 002 [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 differential pressure (inches of water) across this dust collector on an operating day basis.

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

The permittee shall maintain records of the differential pressure (inches of water) across this dust collector on an operating day basis.

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

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

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall ensure that this dust collector and/or Building 420 dust collector 2 (Source ID C126) is/are operating whenever dry colorant material is being processed in/by the dry dispersion area blenders or grinders (Source ID 125C) and/or wet dispersion area blenders (Source ID 127B), as indicated in Condition # 005, Section D (under Source ID 125C), of this permit, and Condition # 006, Section D (under Source ID 127B), of this permit, respectively.

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 operate and maintain a differential manometer, or equivalent, as approved by the Department, to indicate the differential pressure across this dust collector. The permittee shall maintain the differential pressure across the dust collector within the range of 0.5–4 inches of water.

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 ensure that the cartridge filters used in this dust collector are replaced as needed. The permittee shall keep a sufficient quantity of spare cartridge filters on hand for replacement of any deteriorated or ineffective cartridge filters.

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

This source consists of a dust collector (no. 1), model no. DFO 4-16 (Downflo Oval), manufactured by Donaldson Co., Inc.—Torit. The dust collector is rated at 8,700 acfm and uses 16 cartridge filters. Along with Building 420 dry/wet dispersion area dust collector 2 (Source ID C126), the dust collector controls PM emissions from the dry dispersion area blenders and grinders (Source ID 125C) and wet dispersion area blenders (Source ID 127B).

**SECTION D. Source Level Requirements**

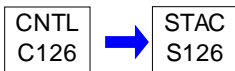
Source ID: C126

Source Name: BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 2

Source Capacity/Throughput:

N/A

INKS & DYES

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

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

The permittee shall ensure that emission into the outdoor atmosphere of PM from any of the dry dispersion area blenders and grinders (Source ID 125C) and/or wet dispersion area blenders (Source ID 127B) through this dust collector occurs in such a manner that the concentration of filterable PM in the exhaust gas does not exceed 0.02 gr/dscf.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 002 [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 differential pressure (inches of water) across this dust collector on an operating day basis.

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

The permittee shall maintain records of the differential pressure (inches of water) across this dust collector on an operating day basis.

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

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

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall ensure that this dust collector and/or Building 420 dust collector 1 (Source ID C125) is/are operating whenever dry colorant material is being processed in/by the dry dispersion area blenders or grinders (Source ID 125C) and/or wet dispersion area blenders (Source ID 127B), as indicated in Condition # 005, Section D (under Source ID 125C), of this permit, and Condition # 006, Section D (under Source ID 127B), of this permit, respectively.

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 operate and maintain a differential manometer, or equivalent, as approved by the Department, to indicate the differential pressure across this dust collector. The permittee shall maintain the differential pressure across the dust collector within the range of 0.5–4 inches of water.

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 ensure that the cartridge filters used in this dust collector are replaced as needed. The permittee shall keep a sufficient quantity of spare cartridge filters on hand for replacement of any deteriorated or ineffective cartridge filters.

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

This source consists of a dust collector (no. 2), model no. DFO 4-16 (Downflo Oval), manufactured by Donaldson Co., Inc.—Torit. The dust collector is rated at 8,700 acfm and uses 16 cartridge filters. Along with Building 420 dry/wet dispersion area dust collector 1 (Source ID C125), the dust collector controls PM emissions from the dry dispersion area blenders and grinders (Source ID 125C) and wet dispersion area blenders (Source ID 127B).



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 Descriptor		
032A	BUILDING 415 BOILER 2		
Emission Limit			
1.200	Lbs/MMBTU	Heat Input; Expressed as SO2	SOX
0.400	Lbs/MMBTU	Heat Input	TSP
033	BUILDING 420 BOILER 1		
Emission Limit			
1.200	Lbs/MMBTU	Heat Input; Expressed as SO2	SOX
0.400	Lbs/MMBTU	Heat Input	TSP
034	BUILDING 420 BOILER 2		
Emission Limit			
1.200	Lbs/MMBTU	Heat Input; Expressed as SO2	SOX
0.400	Lbs/MMBTU	Heat Input	TSP
035	BUILDING 415 BOILER 1		
Emission Limit			
1.200	Lbs/MMBTU	Heat Input; Expressed as SO2	SOX
0.400	Lbs/MMBTU	Heat Input	TSP
109	PVAP FLUID BED DRYER 2		
Emission Limit			
0.020	gr/DRY FT3	Filterable; At the Outlet of the Associated Dust Collector	TSP
116A	PVAP REACTION VESSELS (2)		
Emission Limit			
1.720	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	VOC
117	PVAP FLUID BED DRYER 1		
Emission Limit			
0.020	gr/DRY FT3	Filterable; At the Outlet of the Associated Dust Collector	TSP
118	PVAP PRODUCTION PROCESS FUGITIVE EMISSION SOURCES		
Emission Limit			
1.040	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	VOC
120	LAKE PLANT SPRAY DRYER		
Emission Limit			
0.040	gr/DRY FT3	Filterable; At the Outlet of the Associated Dust Collector	TSP
6.570	Tons/Yr	Filterable; 12-Month Rolling Sum, Calculated Monthly	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
123	LAKE PLANT TANKS (7)		
Emission Limit			
0.020	gr/DRY FT3	Filterable; At the Outlet of the Associated High-Energy Wet Scrubber	TSP
0.044	Lbs/Hr		TSP
0.192	Tons/Yr	12-Month Rolling Sum, Calculated Monthly	TSP
125C	BLDG 420 DRY DISPERSION AREA BLENDERS (8) & GRINDERS (2)		
Emission Limit			
0.020	gr/DRY FT3	Filterable; At the Outlet of Each Associated Dust Collector	TSP
127B	BUILDING 420 WET DISPERSION AREA BLENDERS (7)		
Emission Limit			
0.020	gr/DRY FT3	Filterable; At the Outlet of Each Associated Dust Collector	TSP
10.680	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; Including From the Associated Liquid Ingredient Dispensing Room	VOC
129	BUILDING 420 IT DATA CENTER EMERGENCY GENERATOR SET		
Emission Limit			
3.700	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engine	CO
5.000	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engine	CO
2.750	Tons/OZNESEAS	From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
6.600	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
100.000	Lbs/Hr	From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
1,000.000	Lbs/Day	From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
3.000	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engine	NOx+NMHC
4.000	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engine	NOx+NMHC
0.220	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engine	TSP
0.300	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engine	TSP
130	BUILDING 420 ROOFTOP EMERGENCY GENERATOR SET		
Emission Limit			
2.750	Tons/OZNESEAS	From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
6.600	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
100.000	Lbs/Hr	From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
1,000.000	Lbs/Day	From the Plan Approval-Exempt Engines of Source IDs 129-130	NOX
0.040	gr/DRY FT3	From the Plan Approval-Exempt Engine	TSP
C125	BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 1		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	Filterable; From Any of the Affected Blenders and/or Grinders of Source IDs 125C and/or 127B	TSP
C126	BUILDING 420 DRY/WET DISPERSION AREAS DUST COLLECTOR 2		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	Filterable; From Any of the Affected Blenders and/or Grinders of Source IDs 125C and/or 127B	TSP

Site Emission Restriction Summary

Emission Limit			Pollutant
14.600 Tons/Yr	12-Month Rolling Sum, Calculated Monthly		VOC
21.000 Tons/Yr	12-Month Rolling Sum, Calculated Monthly		TSP

**SECTION H. Miscellaneous.**

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Plan Approval No. 46-317-006A.
- (2) Plan Approval No. 46-0158A.
- (3) Plan Approval No. 46-0158C.
- (4) Plan Approval No. 46-0158D.
- (5) RFD No. 2575.
- (6) RFD No. 2613.
- (7) RFD No. 2805.
- (8) RFD No. 3112.
- (9) RFD No. 3522.
- (10) RFD No. 3667.
- (11) RFD No. 3711.
- (12) RFD No. 6665.
- (13) RFD No. 10744.

(b) The rated or maximum capacity/throughput values listed in Sections A and D, of this permit, are used for descriptive purposes only and are not considered restrictions or enforceable conditions by the Department.

(c) Pursuant to Condition # 012(d), Section C, of this permit, on November 1, 2012, 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 on a monthly basis. The Department reserves the right to change this frequency of monitoring pursuant to Condition # 012(e), Section C, of this permit.

(d) The following sources have been determined by the Department to be insignificant sources of air contaminant emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping, except as indicated elsewhere in this permit. They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C, of this permit:

(1) The following lake plant sources:

(i) Two silos, each with a vent, as follows:

- (A) A soda ash (sodium carbonate) silo.
- (B) A bicarb (sodium bicarbonate) silo.

(ii) Two lake plant grinders (formerly Source ID 121), one with a pre-crusher.

(iii) Two lake plant blenders (formerly Source ID 122) and associated packaging operations (formerly Source ID 124).

(iv) Two natural gas-fired tray dryers, model TK-1, manufactured by the National Drying Machinery Co., Inc. Each tray dryer is rated at 0.4 mmBtu/hr heat input.

(2) A dust collector, model size 12D, manufactured by Farr Air Pollution Control. The dust collector captures PM emissions from parts of (d)(1)(i)–(iii), above, as follows, and exhausts into the indoor atmosphere:

**SECTION H. Miscellaneous.**

- (i) The vents of (d)(1)(i)(A)–(B), above.
- (ii) The pre-crusher of (d)(1)(ii), above.
- (iii) The packaging operations of (d)(1)(iii), above.

(3) Six circulating downflow booths with high-efficiency particulate air (HEPA) filters for the dry colorant material weighing/dispersing operations associated with the Building 420 dry dispersion area blenders and grinders (Source ID 125C) and wet dispersion area blenders (Source ID 127B) (and also the loading operations for blender names/nos. PK1 and PK2 of the 420 dry dispersion area blenders and grinders). The downflow booths exhaust into the indoor atmosphere.

(4) A central vacuum system with integral separator (dust collector), model no. SDS720B-MOD, manufactured by Spencer Turbine Co. The central vacuum system captures residual PM from (d)(3), above, and the production equipment of the Building 420 dry dispersion area blenders and grinders (Source ID 125C) and wet dispersion area blenders (Source ID 127B), and exhausts into the outdoor atmosphere.

(5) A raw materials and quality control testing laboratory (combined QC Lab). PM emissions from the combined QC Lab are ducted through a dedicated HEPA filter before exhausting into the outdoor atmosphere.

(6) Processes that have dust collectors that emit into the indoor atmosphere (in addition to those indicated in (d)(1)–(2), above).

(7) Heating units from office and process areas.

(8) Air conditioners.

(9) Bulk storage tanks used for non-hazardous materials.

(10) Container storage for non-hazardous raw materials, intermediates, and final products.

(11) The following wastewater sources:

- (i) A wastewater sump pit ("Lake Pit") with ventilation fan. The Lake Pit is located in Building 415.
- (ii) A wastewater pretreatment plant and associated air stripper.

(12) Maintenance activities.

(13) Plant ventilation.

(e) This permit (APS ID 346072, Auth ID 1500298) is a minor modification of State Only Operating Permit No. 46-00158, which was originally issued on October 14, 2003 (APS ID 346072, Auth ID 354878); previously amended on June 22, 2007 (APS ID 346072, Auth ID 680435), December 28, 2011 (APS ID 346072, Auth ID 906474), May 29, 2013 (APS ID 346072, Auth ID 966750), and October 7, 2022 (APS ID 346072, Auth ID 1410987); previously renewed on December 27, 2008 (APS ID 346072, Auth ID 721041), December 4, 2014 (APS ID 346072, Auth ID 973218), and June 11, 2020 (APS ID 346072, Auth ID 1268343; and previously modified on September 25, 2013 (APS ID 346072, Auth ID 989417), and December 4, 2014 (APS ID 346072, Auth ID 1048744). The following is a listing of the changes reflected in this permit:

(1) The source name for the following source grouping, as indicated in Sections A, D, and G, of the previously-amended permit (same locations in this permit), has been changed ([deleted from source name], <added to source name>):

Source ID	Source Name
125C	Building 420 Dry Dispersion Area Blenders ([12] <8>) & Grinders (2)

(2) The source description for the dry dispersion area blenders and grinders source grouping, as indicated in Condition # 007, Section D (under Source ID 125C), of the previously-amended permit (same condition number in this permit), has been updated, as follows:

- (i) The following for Sub-condition (a):

**SECTION H. Miscellaneous.**

- (A) The PK-16Qt, PK1-A, PK1-B, PK2-A, PK2-B, and PK3-B blenders have been removed.
- (B) The PK1 and PK2 blenders have been added.
- (C) The blending/packaging and loading operations associated with the HM5000 blenders have been added for room nos. P163 and P263, respectively.
- (D) The blending operations associated with the Readco 1 and Readco 2 blenders have been added for room nos. P242–P244.
- (ii) The phrase "except for the blending operations associated with the PK1 and PK2 blenders" has been added to the beginning of Sub-condition (b).
- (iii) The footnote at the end of the condition (denoting room nos. P141, P154, and P161 as flex rooms) has been removed.
- (iv) A footnote indicating that, since the PK1 and PK2 blenders are self-contained, no PM emissions are expected from the blending operations and room nos. P113 and P115 are not ducted to the dry/wet dispersion area dust collectors, has been added to the end of the condition.
- (3) The source ID for the dry dispersion area blenders and grinders source grouping referenced in Condition # 001, Section D (under Source IDs C125–C126), of the previously-amended permit (same condition number in this permit), and the associated emission restriction listing in Section G (under Source IDs C125–C126), of the previously-amended permit (same locations in this permit), has been corrected (from Source ID 125B to Source ID 125C).
- (4) The source ID for the wet dispersion area blenders source grouping referenced in the emission restriction listing in Section G (under Source IDs C125–C126), of the previously-amended permit (same locations in this permit), has been corrected (from Source ID 127A to Source ID 127B).



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