



FROM Brian Wetzel *BW*
Air Quality Permitting

TO William R. Weaver *WRW* 5/19/26
Regional Manager, Air Quality

THRU Vincent Pascucci, M.E., P.E. *VSP*
Environmental Engineering Manager, Air Quality Permitting

DATE May 19, 2026

RE Plan Approval No. 22-05062A
Constellation Energy Generation / Crane Clean Energy Center (Constellation)
Londonderry Township, Dauphin County

Addendum

The 30-day comment period for Constellation has timed out. Kieran Dempsey of Trinity Consultants, and on behalf of Constellation, submitted comments via a letter dated April 29, 2026. Mr. Dempsey's comments, and the Department's responses, can be found in the attached spreadsheet "*DEP Responses to Constellation's 4/29/26 Comments Regarding draft Plan Approval No. 22-05062A for Constellation Energy Generation LLC, Londonderry Township, Dauphin County*".

The revised draft and the Department's responses were sent to Mr. Dempsey on 5/13/26. Constellation did not have any further comments.

Notice of the Department's intent to issue the plan approval was published in the *Pennsylvania Bulletin* on April 11, 2026. No comments were received

I recommend the issuance of Plan Approval No. 22-05062A.

Cc: OnBase

**DEP Responses to Constellation's 4/29/26 Comments
Regarding draft Plan Approval No. 22-05062A
for Constellation Energy Generation LLC, Londonderry Township, Dauphin County**

#	Constellation Comment	DEP Response
1	<p>Plan Approval Description (pg. 2):</p> <p>Constellation is requesting two changes to the description paragraph. As discussed in Comment #2 below, Constellation is requesting that the timeline for the increased hours of operation for the boilers be extended to account for any unforeseen circumstances during reactivation of sources B1A and B1B. As such, Constellation is requesting that this description be changed to reference an initial 18-month start-up period. In addition, Constellation requests minor updates to the PTE for the Boilers operating for up to 1500 hours, as shown below.</p> <p>"This plan approval is for the reactivation of the nuclear power generating facility, previously operating as Exelon Generation Company LLC/Three Mile Island Nuclear Station (Exelon). Potential emissions from the facility for the first year initial 18 month start-up period due to plant startup and commissioning activities are estimated to be: 19.89 tpy CO, 82.40 tpy NOx, 19.84 tpy PM/PM10/PM2.5, 0.59 tpy SOx, 1.86 tpy VOC, 0.01 tpy of a single HAP (benzene), and 0.03 tpy of combined HAPs 20.00 tpy CO, 82.47 tpy NOx, 19.95 tpy PM/ PM10/ PM2.5, 0.63 tpy SOx, 1.90 tpy VOC, 0.01 tpy single HAP (benzene), 0.09 tpy of combined HAPs. Thereafter, potential emissions from the facility are estimated to be: 12.05 tpy CO, 44.33 tpy NOx, 16.77 tpy PM/PM10/PM2.5, 0.29 tpy SOx, 1.59 tpy VOC, 0.01 tpy of a single HAP (benzene), and 0.03 tpy of combined HAPs."</p>	<p>The description was updated to read:</p> <p>This plan approval is for the reactivation of the nuclear power generating facility, previously operating as Exelon Generation Company LLC/Three Mile Island Nuclear Station (Exelon). Potential yearly emissions from the facility during the initial start-up period due to plant startup and commissioning activities are estimated to be: 20.00 tpy CO, 82.47 tpy NOx, 19.95 tpy PM/ PM10/ PM2.5, 0.63 tpy SOx, 1.90 tpy VOC, 0.01 tpy single HAP (benzene), and 0.09 tpy of combined HAPs. The duration of the initial start-up period is estimated to take 18 months. Thereafter, potential emissions...</p>
2	<p>Section E, GRP01, Boiler(s) – State Requirements, Condition #004:</p> <p>Constellation is requesting that this condition be updated to clarify when the start-up period commences and to request an additional six months (for a total of 18 months) be added to the start-up period in order to account for any unforeseen circumstances during reactivation of sources B1A and B1B.</p> <p>(a) During the initial twelve month start-up of the facility, Within the first 18 months after initiating operation of Source IDs B1A and B1B under this plan approval (per Section B Condition #003), the permittee shall limit the operation of each boiler to 1,500 hours.</p> <p>(b) After the initial twelve month start-up period, After the initial twelve eighteen month start-up period, the permittee shall limit the operation of each boiler to 100 hours per year, based on any consecutive 12-month period, calculated monthly.</p>	<p>The condition was updated to:</p> <p>(a) Within the first 18 months after initiating operation of Source IDs B1A and B1B under this plan approval (per Section B Condition #003), the permittee shall limit the operation of each boiler to 1,500 hours.</p> <p>(b) After the initial 18-month start-up period, the permittee shall limit the operation of each boiler to 100 hours per year, based on any consecutive 12-month period, calculated monthly.</p> <p>(c) The permittee may request an extension of the 18-month start-up period. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the 18-month start-up period. The startup period extension request shall be effective once The Department provides written approval to the permittee.</p>
3	<p>Section E, GRP02, 40 CFR 63, Subpart JJJJJJ Boiler(s), Condition #001:</p> <p>Constellation is requesting that the following sentences to be added to end of the condition. This request is to enable the facility to potentially recategorize the auxiliary boilers to limited use units after the initial start-up activities are completed:</p> <p>"This section reflects the currently elected compliance options under 40 CFR 63 Subpart JJJJJJ. The Permittee may change these compliance options upon submitting the applicable Subpart JJJJJJ notifications to EPA and the Department."</p>	<p>Statement added as requested.</p>
4	<p>Section E, GRP02, 40 CFR 63, Subpart JJJJJJ Boiler(s), Conditions #006, 017, & 019:</p> <p>Constellation is requesting the following changes to these conditions.</p> <p>Page 32 #006: 63.11200(g) [NA – SOURCES IN THIS GROUP ARE NOT CURRENTLY DEFINED AS LIMITED USE]</p> <p>Page 37 #017: 63.11223(f) [NA – SOURCES IN THIS GROUP ARE NOT CURRENTLY DEFINED AS LIMITED USE]</p> <p>Page 38 #019: 63.11225(c)(2)(vi) [NA – SOURCES IN THIS GROUP ARE NOT CURRENTLY DEFINED AS LIMITED USE]</p>	<p>Conditions revised as suggested.</p>
5	<p>Section E, GRP02, 40 CFR 63, Subpart JJJJJJ Boiler(s), Condition #009:</p> <p>Constellation is requesting that this condition be modified to note 63.11210(k)(1) as not applicable since the boilers are not subject to emission limits under the rule:</p> <p>63.11210(k)(1) You must complete the initial compliance demonstration, if subject to the emission limits in Table 1 to this subpart, as specified in paragraphs (a) and (b) of this section, no later than 180 days after the re-start of the affected boiler on solid fossil fuel, biomass, or liquid fuel and according to the applicable provisions in § 63.7(a)(2). [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]</p>	<p>The condition was updated as requested.</p>

**DEP Responses to Constellation's 4/29/26 Comments
Regarding draft Plan Approval No. 22-05062A
for Constellation Energy Generation LLC, Londonderry Township, Dauphin County**

#	Constellation Comment	DEP Response
6	<p>Section E, GRP03, Cooling Towers, Condition #002:</p> <p>Constellation is requesting that the monitoring and recordkeeping requirement for "Water flow rate" be removed from the permit. Constellation will be operating the cooling towers at the design water flow rate, which is 215,000 gallons per minute due to the design of the towers. Specifically, the circulating water pumps are designed to operate at a fixed setting which doesn't change during operations. The only scenario in which these towers will not be operated at the design water flow rate is during downtime events. Downtime will already be tracked as part of the requirement to monitor and record the hours of operation on a daily basis. As such, there is no environmental benefit in monitoring this parameter and Constellation requests that it be removed.</p> <p>(a) When in operation, the permittee shall monitor & record the following for each cooling tower: (1) Water flow rate - daily (2) Hours of operation - daily</p> <p>(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.</p>	<p>The monitoring/recordkeeping requirement was removed as requested.</p>
7	<p>Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #002:</p> <p>Constellation is requesting that the requirements for 63.6585(b) be updated to clarify that the facility is not a major source of HAPs.</p> <p>63.6585(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site. [NA – NOT A MAJOR HAP SOURCE]</p>	<p>The condition was included for reference purposes as to provide the definition of a major source of HAP. The condition shall remain; however, the proposed NA language was also added as requested.</p>
8	<p>Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #004:</p> <p>Constellation is requesting that the requirements for 63.6595(b) be updated to clarify that the facility is not a major source of HAPs.</p> <p>"63.6595(b) Area sources that become major sources: If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.</p> <p>63.6595(b)(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.</p> <p>63.6595(b)(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP. [NA – NOT A MAJOR HAP SOURCE]"</p>	<p>Since the facility is an area source of HAP emissions, the condition was included for reference purposes if the facility would become a major source of HAPs. Major source requirements were not included in the Group GRP06 conditions, as indicated with [NA - NOT A MAJOR HAP SOURCE]. The condition shall remain.</p>
9	<p>Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #008:</p> <p>Constellation is requesting that the Table 2d requirements in this condition be updated. The engines in this group are diesel engines not spark ignition engines. As such this condition incorrectly references Item 5 for spark ignition engines instead of Item 4 for Compression Ignition engines. The following language is the current version of the RICE MACT Item 4 requirements.</p> <p>Item 4: Emergency stationary CI RICE and black start stationary CI RICE. See NOTE (2) a. Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; b. Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and c. Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.</p>	<p>Condition updated as requested.</p>

From: Kieran Dempsey <Kieran.Dempsey@trinityconsultants.com>

Sent: Wednesday, April 29, 2026 1:54 PM

To: Wetzel, Brian <briwetzel@pa.gov>

Cc: Hoffman, Cory: (Constellation Nuclear) <cory.hoffman@constellation.com>; Spriggle, Andrew R: (Constellation Nuclear) <andrew.spriggle@constellation.com>; Stalker, Allison C: (Constellation Nuclear) <allison.stalker@constellation.com>; Smith, Craig W: (Constellation Nuclear) <craig.smith3@constellation.com>; Christie Heath <cheath@trinityconsultants.com>

Subject: [External] Constellation Draft Plan Approval Comments

ATTENTION: *This email message is from an external sender. Do not open attachments or click links from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).*

Hi Brian,

Constellation has reviewed the draft of Plan Approval 22-05062A. Please see the attached document for our comments from the review. The file contains a cover letter describing the requests as well as a redline of the draft plan approval.

Constellation would like to meet with PADEP to discuss any questions or comments from the Department on our requests from this review. Please let us know when you would be available to meet after your initial review of these responses.

Regards,

Kieran Dempsey

Associate Consultant

Email: Kieran.dempsey@trinityconsultants.com

Phone Number: (215) 450-8561

211 Welsh Rd, Ste 238

Exton, PA 19341



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April 29, 2026

Mr. Brian Wetzel
Air Quality Permitting
Department of Environmental Protection | Air Quality Program
Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110

RE: Crane Clean Energy Center Draft Plan Approval #22-05062A Review Response

Dear Mr. Wetzel:

Constellation submitted a plan approval application to reactivate the Crane Clean Energy Center in Dauphin County, PA on October 30th, 2025. The Pennsylvania Department of Environmental Protection (PADEP) provided a draft Plan Approval (#22-05062A) on March 31st, 2026. Please see the comments below outlining the changes Constellation is requesting to the draft permit. Constellation appreciates the opportunity to provide comments on the draft Plan Approval. Attachment A contains a redline version of the Draft Permit with these comments as well.

Comments on the Draft Plan Approval

1. Plan Approval Description (pg. 2): Constellation is requesting two changes to the description paragraph. As discussed in Comment #2 below, Constellation is requesting that the timeline for the increased hours of operation for the boilers be extended to account for any unforeseen circumstances during reactivation of sources B1A and B1B. As such, Constellation is requesting that this description be changed to reference an initial 18-month start-up period. In addition, Constellation requests minor updates to the PTE for the Boilers operating for up to 1500 hours, as shown below.

"This plan approval is for the reactivation of the nuclear power generating facility, previously operating as Exelon Generation Company LLC/Three Mile Island Nuclear Station (Exelon). Potential emissions from the facility for the first-year initial 18 month start-up period due to plant startup and commissioning activities are estimated to be: 19.89 tpy CO, 82.40 tpy NOx, 19.84 tpy PM/PM10/PM2.5, 0.59 tpy SOx, 1.86 tpy VOC, 0.01 tpy of a single HAP (benzene), and 0.03 tpy of combined HAPs 20.00 tpy CO, 82.47 tpy NOx, 19.95 tpy PM/PM10/PM2.5, 0.63 tpy SOx, 1.90 tpy VOC, 0.01 tpy single HAP (benzene), 0.09 tpy of combined HAPs. Thereafter, potential emissions from the facility are estimated to be: 12.05 tpy CO, 44.33 tpy NOx, 16.77 tpy PM/PM10/PM2.5, 0.29 tpy SOx, 1.59 tpy VOC, 0.01 tpy of a single HAP (benzene), and 0.03 tpy of combined HAPs."

2. Section E, GRP01, Boiler(s) – State Requirements, Condition #004: Constellation is requesting that this condition be updated to clarify when the start-up period commences and to request an additional six months (for a total of 18 months) be added to the start-up period in order to account for any unforeseen circumstances during reactivation of sources B1A and B1B.

(a) ~~During the initial twelve month start-up of the facility,~~ Within the first 18 months after initiating operation of Source IDs B1A and B1B under this plan approval

(per Section B Condition #003), the permittee shall limit the operation of each boiler to 1,500 hours.

*(b) After the ~~initial~~ ~~initial~~ ~~twelve~~ **eighteen** month start-up period, the permittee shall limit the operation of each boiler to 100 hours per year, based on any consecutive 12-month period, calculated monthly.*

3. Section E, GRP02, 40 CFR 63, Subpart JJJJJJ Boiler(s), Condition #001: Constellation is requesting that the following sentences to be added to end of the condition. This request is to enable the facility to potentially recategorize the auxiliary boilers to limited use units after the initial start-up activities are completed:

"This section reflects the currently elected compliance options under 40 CFR 63 Subpart JJJJJJ. The Permittee may change these compliance options upon submitting the applicable Subpart JJJJJJ notifications to EPA and the Department."

4. Section E, GRP02, 40 CFR 63, Subpart JJJJJJ Boiler(s), Conditions #006, 017, & 019: Constellation is requesting the following changes to these conditions.

Page 32 #006: 63.11200(g) [NA – SOURCES IN THIS GROUP ARE NOT CURRENTLY DEFINED AS LIMITED USE]

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63.11210(k)(1) ~~You must complete the initial compliance demonstration, if subject to the emission limits in Table 1 to this subpart, as specified in paragraphs (a) and (b) of this section, no later than 180 days after the re-start of the affected boiler on solid fossil fuel, biomass, or liquid fuel and according to the applicable provisions in § 63.7(a)(2). [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]~~

6. Section E, GRP03, Cooling Towers, Condition #002: Constellation is requesting that the monitoring and recordkeeping requirement for "Water flow rate" be removed from the permit. Constellation will be operating the cooling towers at the design water flow rate, which is 215,000 gallons per minute due to the design of the towers. Specifically, the circulating water pumps are designed to operate at a fixed setting which doesn't change during operations. The only scenario in which these towers will not be operated at the design water flow rate is during downtime events. Downtime will already be tracked as part of the requirement to monitor and record the hours of operation on a daily basis. As such, there is no environmental benefit in monitoring this parameter and Constellation requests that it be removed.

(a) When in operation, the permittee shall monitor & record the following for each cooling tower:

(1) Water flow rate—daily

(2) Hours of operation - daily

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

7. Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #002: Constellation is requesting that the requirements for 63.6585(b) be updated to clarify that the facility is not a major source of HAPs.

63.6585(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site. [NA – NOT A MAJOR HAP SOURCE]

8. Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #004: Constellation is requesting that the requirements for 63.6595(b) be updated to clarify that the facility is not a major source of HAPs.

"63.6595(b) Area sources that become major sources:

If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.

63.6595(b)(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.

63.6595(b)(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP. [NA – NOT A MAJOR HAP SOURCE]"

9. Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #008: Constellation is requesting that the Table 2d requirements in this condition be updated. The engines in this group are diesel engines not spark ignition engines. As such this condition incorrectly references Item 5 for spark ignition engines instead of Item 4 for Compression Ignition engines. The following language is the current version of the RICE MACT Item 4 requirements.

Item 4: Emergency stationary CI RICE and black start stationary CI RICE. See NOTE (2)

a. Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first;

b. Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and

c. Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

10. Section E, GRP06, 40 CFR 63, Subpart ZZZZ Engine(s), Condition #021: Constellation is requesting that this condition be updated as RICE does not operate for the purposes specified in the condition reference, 63.6640(f)(4)(ii).

~~"[NA - RICE does not operate for the purposes specified in 63.6640(f)(4)(ii) EXCEPT FOR FOOTNOTE 1 OF TABLE 2c, FACILITY IS NOT SUBJECT TO ANY REPORTING REQUIREMENTS IN TABLE 7]"~~

11. Section H, Miscellaneous: Constellation is requesting that the portable south office emergency generator be removed as requested in the plan approval application. This source has been deactivated:

~~"Portable South Office Emergency Generator (ID-EG-Y-8)"~~

~~~~~

Constellation appreciates the opportunity to provide these comments on the draft Plan Approval issued for the Crane Clean Energy Center. If you have any questions or require any additional information, please feel free to contact Cory Hoffman at (267) 533-7599, or myself at (215) 450-8561.

Sincerely,

Trinity Consultants



Kieran Dempsey  
Consultant

Attachment

Cc: Cory Hoffman – Constellation  
Christie Heath – Trinity Consultants

**Attachment A: Draft Permit Redline**



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

**PLAN APPROVAL**

Issue Date:

Effective Date:

Expiration Date:

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

**Plan Approval No. 22-05062A**

Federal Tax Id - Plant Code: 23-3064219-31

**Owner Information**

Name: CONSTELLATION ENERGY GENERATION LLC

Mailing Address: PO BOX 480  
ROUTE 441 S  
MIDDLETOWN, PA 17057-0480

**Plant Information**

Plant: CONSTELLATION ENERGY GENERATION LLC/CRANE CLEAN ENERGY CTR

Location: 22 Dauphin County 22920 Londonderry Township

SIC Code: 4911 Trans. & Utilities - Electric Services

**Responsible Official**

Name: TREVOR ORTH

Title: PLANT MGR

Phone: (267) 533 - 5559

Email: trevor.orth@constellation.com

**Plan Approval Contact Person**

Name: ANDREW SPRIGGLE

Title: SR ENVR SPLST

Phone: (717) 348 - 8259

Email: andrew.spriggle@constellation.com

[Signature] \_\_\_\_\_

WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



### Plan Approval Description

This plan approval is for the reactivation of the nuclear power generating facility, previously operating as Exelon Generation Company LLC/Three Mile Island Nuclear Station (Exelon). Potential emissions from the facility for the first year due to plant startup and commissioning activities are estimated to be: ~~19.89 tpy CO, 82.40 tpy NOx, 19.84 tpy PM/PM10/PM2.5, 0.59 tpy SOx, 1.86 tpy VOC, 0.01 tpy of a single HAP (benzene), and 0.03 tpy of combined HAPs.~~ Thereafter, potential emissions from the facility are estimated to be: 12.05 tpy CO, 44.33 tpy NOx, 16.77 tpy PM/PM10/PM2.5, 0.29 tpy SOx, 1.59 tpy VOC, 0.01 tpy of a single HAP (benzene), and 0.03 tpy of combined HAPs.

Based on the PTE for these sources with the Boilers operating for up to 1500 hours, Constellation is requesting that these values be revised to the following:  
"20.00 tpy CO, 82.47 tpy NOx, 19.95 tpy PM/PM10/PM2.5, 0.63 tpy SOx, 1.90 tpy VOC, 0.01 tpy single HAP (benzene), 0.09 tpy of combined HAPs."

Constellation is requesting that the timeline for the increased hours of operation for the boilers be extended to account for any unforeseen circumstances during reactivation of sources B1A and B1B. As such, Constellation is requesting that this condition be changed as follows:  
"initial 18 month start-up period"



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- C-III: Monitoring Requirements
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- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
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Note: These same sub-sections are repeated for each source!

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## **SECTION A. Table of Contents**

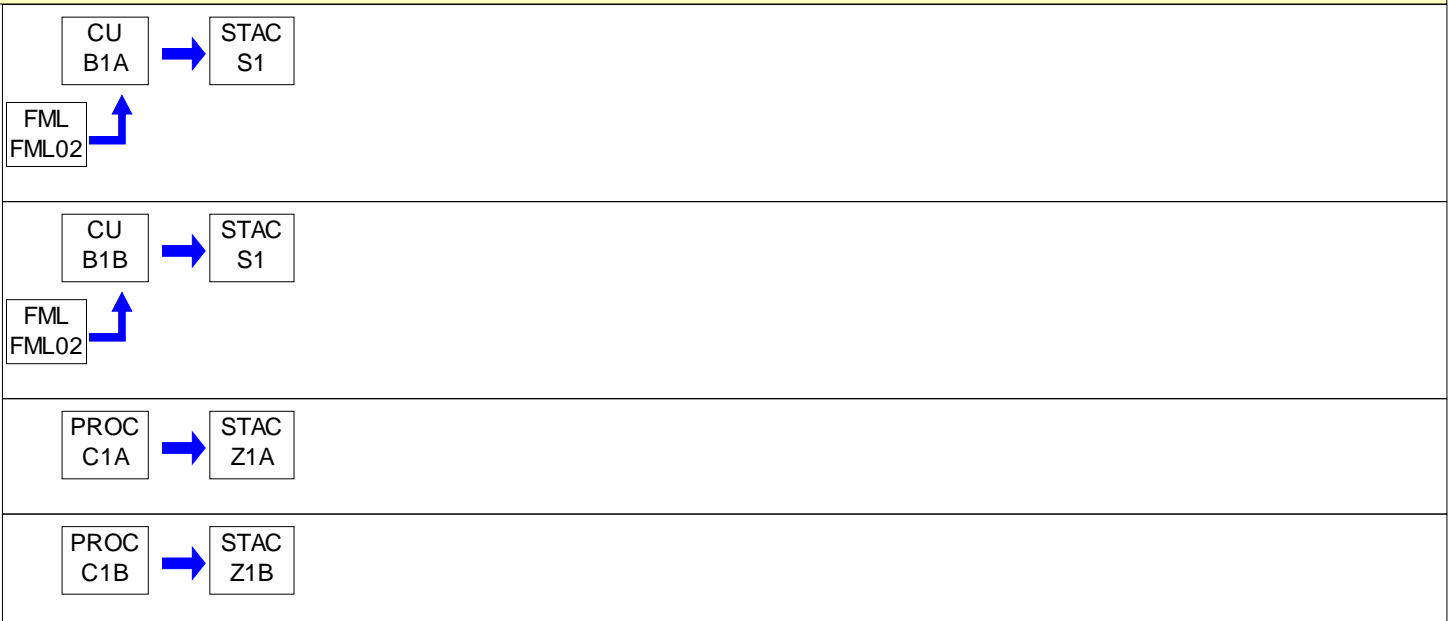
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

## **Section G. Emission Restriction Summary**

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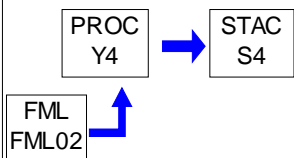
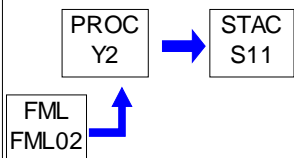
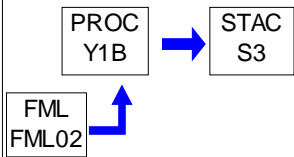
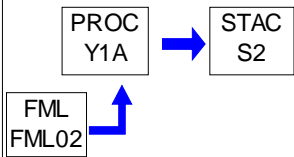
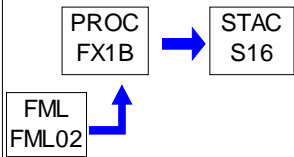
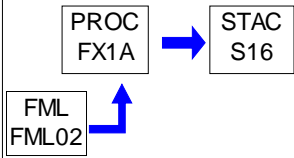
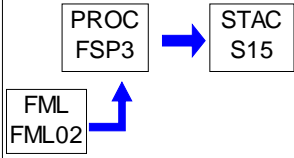
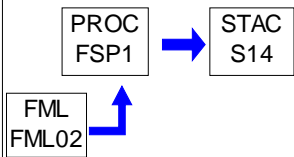
**SECTION A. Plan Approval Inventory List**

| Source ID | Source Name                                                  | Capacity/Throughput | Fuel/Material |
|-----------|--------------------------------------------------------------|---------------------|---------------|
| B1A       | AUXILIARY BOILER A                                           | 156.650 MMBTU/HR    |               |
|           |                                                              | 1,135.140 Gal/HR    | #2 Oil        |
| B1B       | AUXILIARY BOILER B                                           | 156.650 MMBTU/HR    |               |
|           |                                                              | 1,135.140 Gal/HR    | #2 Oil        |
| C1A       | COOLING TOWER A                                              |                     |               |
| C1B       | COOLING TOWER B                                              |                     |               |
| FSP1      | FIRE PUMP DIESEL                                             | 19.410 Gal/HR       | #2 Oil        |
| FSP3      | FIRE PUMP DIESEL                                             | 19.410 Gal/HR       | #2 Oil        |
| FX1A      | CUMMINS EMERGENCY DIESEL GENERATOR 1, 755 HP, 2015 (FX-Y-1A) | 35.000 Gal/HR       | #2 Oil        |
| FX1B      | CUMMINS EMERGENCY DIESEL GENERATOR 2, 755 HP, 2015 (FX-Y-1B) | 35.000 Gal/HR       | #2 Oil        |
| Y1A       | EMERGENCY DIESEL GENERATOR 1A                                | 220.680 Gal/HR      | #2 Oil        |
| Y1B       | EMERGENCY DIESEL GENERATOR 1B                                | 220.680 Gal/HR      | #2 Oil        |
| Y2        | SECURITY UNINT. POWER GEN.                                   | 11.000 Gal/HR       | #2 Oil        |
| Y4        | STATION BLACKOUT DIESEL GEN.                                 | 212.000 Gal/HR      | #2 Oil        |
| FML02     | #2 OIL                                                       |                     |               |
| S1        | STACK, AUX. BOILERS 1A/1B                                    |                     |               |
| S11       | STACK, SECURITY GEN.                                         |                     |               |
| S14       | STACK, FIRE PUMP                                             |                     |               |
| S15       | STACK, FIRE PUMP                                             |                     |               |
| S16       | STACK (FX-Y-1A & FX-Y-1B)                                    |                     |               |
| S2        | STACK, EMERGENCY DI. GEN.                                    |                     |               |
| S3        | STACK, EMERGENCY DI. GEN.                                    |                     |               |
| S4        | STACK, STN. BLACKOUT GEN.                                    |                     |               |
| Z1A       | COOLING TOWER A - FUGITIVE EMISSIONS                         |                     |               |
| Z1B       | COOLING TOWER B - FUGITIVE EMISSIONS                         |                     |               |

**PERMIT MAPS**



PERMIT MAPS



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

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

**#002 [25 Pa. Code § 127.12b (a) (b)]****Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

**#003 [25 Pa. Code § 127.12b]****Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

**#004 [25 Pa. Code § 127.12(a) (10)]****Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

**#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]****Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

**#006 [25 Pa. Code § 127.12b]****Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

**#007 [25 Pa. Code § 127.32]****Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

**#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]****Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

**#009 [25 Pa. Code 127.13a]****Plan Approval Changes for Cause**

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

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) 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.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

**#010 [25 Pa. Code §§ 121.9 & 127.216]****Circumvention**

- (a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.
- (b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#011 [25 Pa. Code § 127.12c]****Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager  
PA Department of Environmental Protection  
(At the address given on the plan approval transmittal letter or otherwise notified)

**#012 [25 Pa. Code § 127.12(a)(9) & 40 CFR Part 68]****Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval 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.

**#013 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

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

**#014 [25 Pa. Code § 127.25]****Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

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

(a) The permittee may not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving, and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from the use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Sources and classes of sources other than those identified in (a)(1)-(a)(6), above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) The emissions are of minor significance with respect to causing air pollution; and
  - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

The permittee may not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001, if the emissions are visible at the point the emissions pass outside the permittee's property.

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

The permittee may not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

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

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

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

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

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

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) The emission results from sources specified in Section C, Condition #001, subsections (a)(1)-(a)(7).

**SECTION C. Site Level Plan Approval Requirements****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 tons per year (TPY) of nitrogen oxides (NO<sub>x</sub>)
- (b) 100 TPY of carbon monoxide (CO)
- (c) 50 TPY of volatile organic compounds (VOC)
- (d) 100 TPY of sulfur oxides (SO<sub>x</sub>)
- (e) 100 TPY of PM-10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body)
- (f) 100 TPY of PM-2.5 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 2.5 micron body)
- (g) 10 TPY of any individual hazardous air pollutant (HAP)
- (h) 25 TPY of aggregate HAPs

Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month period.

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

(a) The permittee may not allow open burning of materials in such a manner that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.
- (2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.
- (3) The emissions interfere with the reasonable enjoyment of life and property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) Exceptions. The requirements of Subsection (a) do not apply where the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public official.
- (2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(c) This permit does not constitute authorization to burn solid waste pursuant to section 610 (3) of the Solid Waste Management Act. 35 PS Section 6018.610 (3) or any other provision of the Solid Waste Management Act.

**II. TESTING REQUIREMENTS.****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Department reserves the right to require exhaust stack testing of the sources & control devices referenced in this permit to measure emissions for purposes including verification of permit condition compliance and estimation of annual air emissions.

**SECTION C. Site Level Plan Approval Requirements****# 009 [25 Pa. Code §139.1]****Sampling facilities.**

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

**III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified in EPA Method 9 to measure plume opacity with the naked eye or with the aid of any device(s) approved by the Department.

**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall conduct a monthly inspection around the facility periphery during daylight hours when the sources are in operation, to detect visible emissions, fugitive emissions, and malodorous air contaminants. These inspections are necessary to determine:

- (1) The presence of visible emissions using the naked eye. If visible emissions from building stacks or vents are observed using the naked eye, then the visible emissions must either be measured or reported to the Department as described below. Visible emissions may be measured according to the methods specified in Section C, Condition #010. Alternately, personnel who observe visible emissions may report the incident to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions
- (2) The presence of fugitive emissions beyond the property boundaries, as stated in Section C, Condition #002.
- (3) The presence of odorous air contaminants beyond the property boundaries, as stated in Section C, Condition #003.

**IV. RECORDKEEPING REQUIREMENTS.****# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain records of the monthly inspections referenced in Section C, Condition #011. The records shall include, at a minimum, the following informations:

- (1) The name of the company representative monitoring these instances.
- (2) The date and time of the observation.
- (3) The wind direction during each observation.
- (4) A description of any emissions and/or malodors observed and actions taken to mitigate them. If none are observed, record "NONE."

The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

**V. REPORTING REQUIREMENTS.****# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall submit semiannual reports to the Department regarding the project that is the subject of this Plan Approval. The reports shall be due on January 31 and July 31 of each year. The permittee shall continue submitting these reports until either:

- (1) The first plan approval extension application for the project has been submitted, or

**SECTION C. Site Level Plan Approval Requirements**

- (2) The permit administrative amendment application has been submitted for the project, or  
 (3) An operating permit initial or renewal application addressing the inclusion of this plan approval, has been submitted for the facility.
- (b) The semiannual reports shall contain the following:
- (1) A brief summary of the status of the project, including any key construction milestones during the relevant semiannual period,  
 (2) A statement of whether any source has begun operating for any purpose, and what was the date that such operation began.  
 (3) A statement of whether a plan approval extension is expected to be needed during the upcoming semiannual period, and if so, when the permittee anticipates submitting the application for such an extension.
- (c) Unless otherwise directed by DEP, the semiannual reports shall be sent to: the DEP SCRO Air Quality Program Manager at [wiveaver@pa.gov](mailto:wiveaver@pa.gov).
- (d) Within 60 days of the Department's written request to do so, the permittee shall submit an initial State-Only Operating Permit application for this facility.

**# 014 [25 Pa. Code §127.442]****Reporting requirements.**

The permittee shall report malfunctions 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 that affects the facility's ability to comply with a permit term. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

- (a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Reading District Office at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.
- (b) Unless otherwise approved by DEP, all malfunctions shall be reported through the Department's Greenport PUP system available through: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

**VI. WORK PRACTICE REQUIREMENTS.****# 015 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)(1)-(a)(7). These actions shall include, but are not limited to the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.



## SECTION C. Site Level Plan Approval Requirements

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

### VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

### IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: B1A

Source Name: AUXILIARY BOILER A

Source Capacity/Throughput: 156.650 MMBTU/HR

1,135.140 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: GRP01

GRP02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: B1B

Source Name: AUXILIARY BOILER B

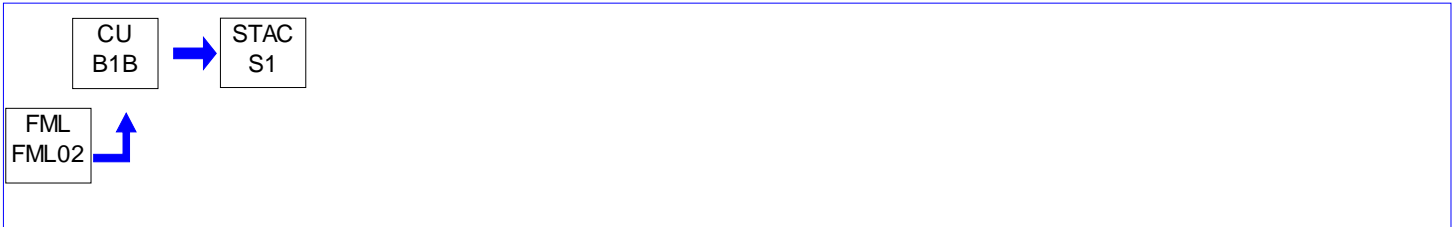
Source Capacity/Throughput: 156.650 MMBTU/HR

1,135.140 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: GRP01

GRP02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

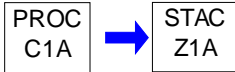
**SECTION D. Source Level Plan Approval Requirements**

Source ID: C1A

Source Name: COOLING TOWER A

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP03

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

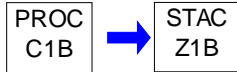
**SECTION D. Source Level Plan Approval Requirements**

Source ID: C1B

Source Name: COOLING TOWER B

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP03

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

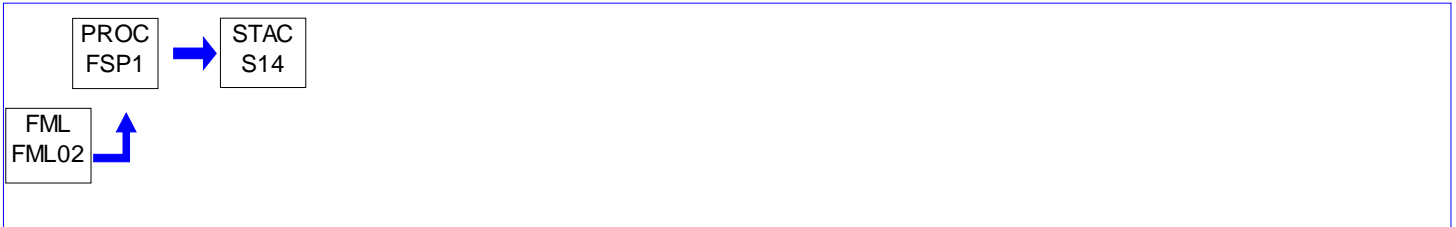
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: FSP1

Source Name: FIRE PUMP DIESEL

Source Capacity/Throughput: 19.410 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP06**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: FSP3

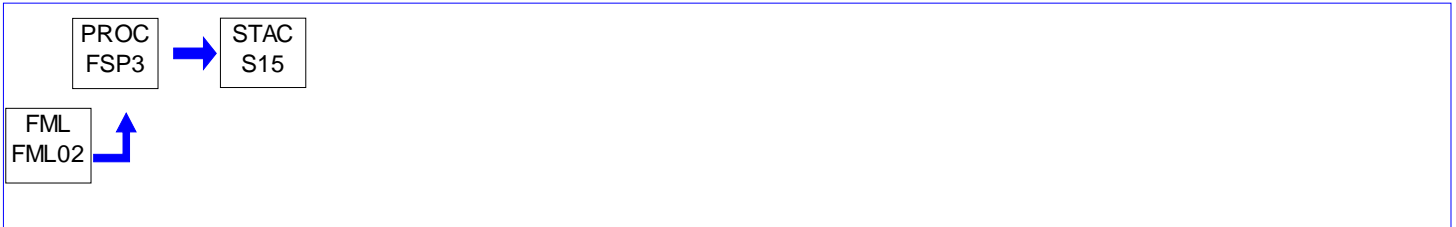
Source Name: FIRE PUMP DIESEL

Source Capacity/Throughput:

19.410 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP06

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

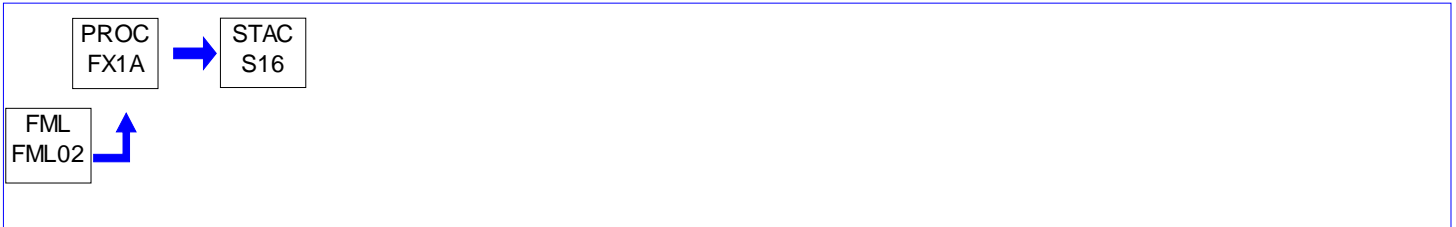
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: FX1A

Source Name: CUMMINS EMERGENCY DIESEL GENERATOR 1, 755 HP, 2015 (FX-Y-1A)

Source Capacity/Throughput: 35.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP05**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

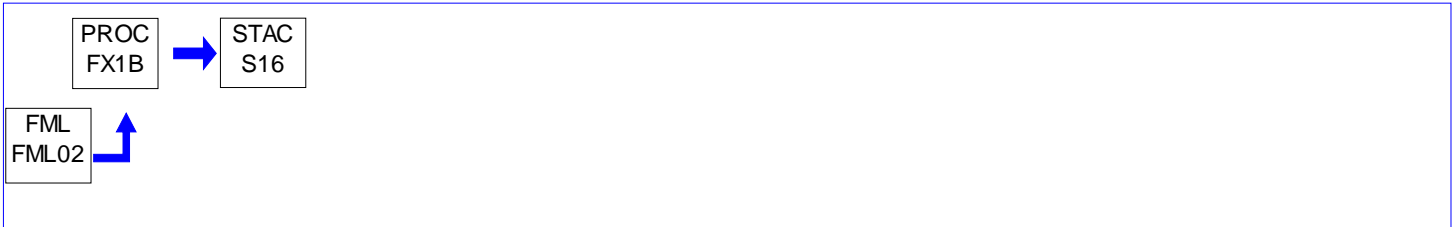
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: FX1B

Source Name: CUMMINS EMERGENCY DIESEL GENERATOR 2, 755 HP, 2015 (FX-Y-1B)

Source Capacity/Throughput: 35.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP05**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: Y1A

Source Name: EMERGENCY DIESEL GENERATOR 1A

Source Capacity/Throughput: 220.680 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP06**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

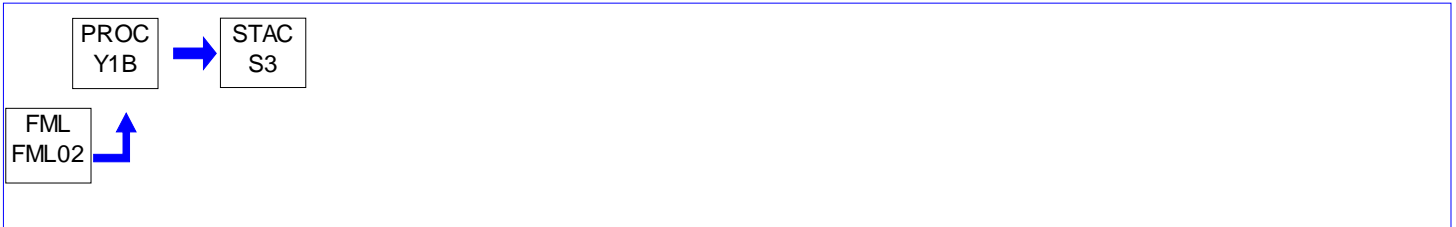
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: Y1B

Source Name: EMERGENCY DIESEL GENERATOR 1B

Source Capacity/Throughput: 220.680 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP06**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

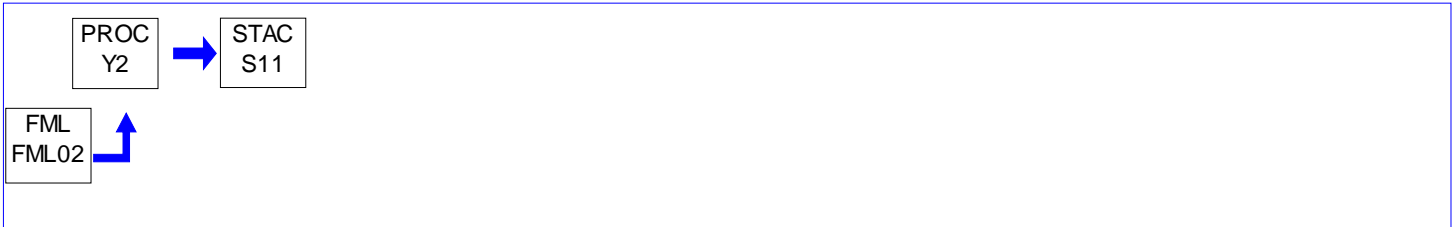
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: Y2

Source Name: SECURITY UNINT. POWER GEN.

Source Capacity/Throughput: 11.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP06**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

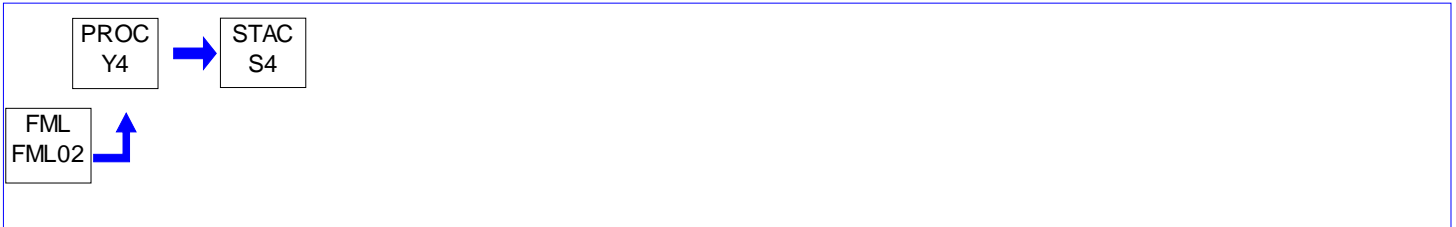
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: Y4

Source Name: STATION BLACKOUT DIESEL GEN.

Source Capacity/Throughput: 212.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: GRP04  
GRP06**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GRP01

Group Description: Boiler(s) - State Requirements

Sources included in this group

| ID  | Name               |
|-----|--------------------|
| B1A | AUXILIARY BOILER A |
| B1B | AUXILIARY BOILER B |

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

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following, as determined by the following formula:

$$A = 3.6E^{0.56}$$

where:

A = Allowable emissions in pounds per million Btus of heat input, and

E = Heat input to the combustion unit in millions of Btus per hour, when E is equal to or greater than 50 but less than 600.

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

No person shall permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from a combustion unit in excess of the rate of four (4) pounds per million Btu of heat input over any 1-hour period.

**# 003 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee may not offer for sale, deliver for use, exchange in trade or permit the use commercial fuel oil in a nonair basin, which contain sulfur in excess of:

(1) No. 2 - 500 ppm (0.05% by weight)

(b) Beginning September 1, 2020, the sulfur content of commercial fuel oil shall not exceed:

(1) No. 2 - 15 ppm (0.0015% by weight)

(c) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020, in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

(d) The Department may temporarily suspend or increase the applicable maximum allowable sulfur content for a commercial fuel oil set forth in subparagraph (a) if the following occur:

(1) The Department receives a written request at the address specified in subsection 25 Pa Code 123.22(h) for a suspension or increase on the basis that compliant commercial fuel oil is not reasonably available in a nonair basin area. The request must include the following:

(i) The nonair basin county or counties for which the suspension or increase is requested.

(ii) The reason compliant commercial fuel oil is not reasonably available.

(iii) The duration of time for which the suspension or increase is requested and the justification for the requested duration.

(2) The Department determines that an insufficient quantity of compliant commercial fuel oil is reasonably available in the



**SECTION E. Source Group Plan Approval Restrictions.**

nonair basin area and that the circumstances leading to the insufficiency are due to events that could not have been reasonably foreseen or prevented and are not due to lack of prudent planning on the part of the transferor of the commercial fuel oil into or within the specified nonair basin area.

(3) The Department approves the request, in writing, prior to the transferor dis...

(e) The Department will limit a suspension or increase in the applicable maxim...

Constellation is requesting the following change to this condition: "Within the first 18 months after initiating operation of Source IDs B1A and B1B under this plan approval (per Section B Condition #003), the permittee shall limit the operation of each boiler to 1,500 hours."

**Throughput Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

(a) ~~During the initial twelve month start-up of the facility, the permittee shall limit the operation of each boiler to 1,500 hours.~~

(b) After the ~~initial twelve~~ month start-up period, the permittee shall limit the operation of each boiler to 100 hours per year, based on any consecutive 12-month period, calculated monthly.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §123.22]

**Combustion units**

(a) The permittee shall sample each shipment of fuel oil before use in a boiler. As an alternative, the permittee shall obtain a certification for each oil supplier as to the sulfur content of the oil as delivered and a delivery receipt with each delivery.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

Constellation is requesting that this condition be updated to the following to match the request for extending the start-up period for the boilers increased hours of operation: "initial eighteen"

**IV. RECORDKEEPING REQUIREMENTS.**

# 006 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

(a) The permittee shall record the following for each boiler:

(a) Hours of operation - monthly & 12-month rolling total

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GRP02

Group Description: 40 CFR 63, Subpart JJJJJJ Boiler(s)

Sources included in this group

| ID  | Name               |
|-----|--------------------|
| B1A | AUXILIARY BOILER A |
| B1B | AUXILIARY BOILER B |

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart JJJJJJ shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
 United States Environmental Protection Agency  
 Region III, Enforcement & Compliance Assurance Division  
 Air, RCRA and Toxics Branch (3ED21)  
 Four Penn Center  
 1600 John F. Kennedy Boulevard  
 Philadelphia, Pennsylvania 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having



**SECTION E. Source Group Plan Approval Restrictions.**

the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11237] Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**  
**Am I subject to this subpart?**

Constellation requests to add the following sentence for clarification.  
"This section reflects the currently elected compliance options under 40 CFR 63 Subpart JJJJJJ. The Permittee may change these compliance options upon submitting the applicable Subpart JJJJJJ notifications to EPA and the Department."

You are subject to this subpart if you own or operate a source that is located at, or is part of, an area source of hazardous air pollutants (HAP), as defined in § 63.2, except as specified in § 63.11195.

[76 FR page 15591, Mar. 21, 2011]

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11194] Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**  
**What is the affected source of this subpart?**

63.11194(a) This subpart applies to each new, reconstructed, or existing affected source as defined in paragraphs (a)(1) and (2) of this section.

63.11194(a)(1) The affected source of this subpart is the collection of all existing industrial, commercial, and institutional boilers within a subcategory, as listed in § 63.11200 and defined in § 63.11237, located at an area source.

63.11194(a)(2) [NA - SOURCES ARE EXISTING]

63.11194(b) An affected source is an existing source if you commenced construction or reconstruction of the affected source on or before June 4, 2010.

63.11194(c) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11194(d) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11194(e) [NA - BOILERS ARE NOT DUAL-FUEL FIRED]

63.11194(f) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or part 71 as a result of this subpart. You may, however, be required to obtain a title V permit due to another reason or reasons. See 40 CFR 70.3(a) and (b) or 71.3(a) and (b). Notwithstanding the exemption from title V permitting for area sources under this subpart, you must continue to comply with the provisions of this subpart.

[76 FR page 15591, Mar. 21, 2011, as amended at 78 FR page 7506, Feb. 1, 2013]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195] Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**  
**Are any boilers not subject to this subpart?**

The types of boilers listed in paragraphs (a) through (k) of this section are not subject to this subpart and to any requirements in this subpart.

63.11195(a) [NA – NO UNITS PART OF SOURCES SUBJECT TO OTHER PART 63 SUBPART]

63.11195(b) [NA – NO CAA SECTION 129 UNITS]

63.11195(c) [NA – UNITS DO NOT BURN HAZARDOUS WASTE].

63.11195(d) [NA – UNITS ARE NOT R&D]

63.11195(e) [NA – UNITS ARE NOT DEFINED AS GAS-FIRED]

**SECTION E. Source Group Plan Approval Restrictions.**

63.11195(f) [NA – UNITS NOT DEFINED AS HOT WATER HEATERS]

63.11195(g) [NA – UNITS NOT USED AS CONTROL DEVICES]

63.11195(h) [NA – UNITS DO NOT QUALIFY AS TEMPORARY UNITS]

63.11195(i) [NA – UNITS ARE NOT DEFINED AS RESIDENTIAL]

63.11195(j) [NA – UNITS ARE NOT DEFINED AS ELECTRIC]

63.11195(k) [NA – UNITS ARE NOT SUBJECT TO MACT 5U]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013; 81 FR 63125, Sept. 14, 2016]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11196]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my compliance dates?**

63.11196(a) If you own or operate an existing affected boiler, you must achieve compliance with the applicable provisions in this subpart as specified in paragraphs (a)(1) through (3) of this section.

63.11196(a)(1) If the existing affected boiler is subject to a work practice or management practice standard of a tune-up, you must achieve compliance with the work practice or management practice standard no later than March 21, 2014.

63.11196(a)(2) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11196(a)(3) If the existing affected boiler is subject to the energy assessment requirement, you must achieve compliance with the energy assessment requirement no later than March 21, 2014.

63.11196(b) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11196(c) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11196(d) [NA – NSPS 4C AND 4D EXEMPTIONS NOT INVOKED]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11200]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are the subcategories of boilers?**

The subcategories of boilers, as defined in § 63.11237 are:

63.11200(a) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11200(b) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11200(c) Oil.

63.11200(d) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS SEASONAL]

63.11200(e) [NA - SOURCES > 5 MMBTU/HR]

63.11200(f) [NA – SOURCES IN THIS GROUP DO NOT HAVE OXYGEN TRIM SYSTEM]

63.11200(g) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS LIMITED USE]

[78 FR 7506, Feb. 1, 2013]

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63.11201(a) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11201(b) You must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to this subpart that applies to your boiler. An energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 to this subpart satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.

**TABLE 2 REQUIREMENTS:**

As stated in § 63.11201, you must comply with the following applicable work practice standards, emission reduction measures, and management practices:

Item 4. If your boiler is in this subcategory: Existing oil-fired boilers with heat input capacity greater than 5 MMBtu/hr that do not meet the definition of seasonal boiler or limited-use boiler, or use an oxygen trim system that maintains an optimum air-to-fuel ratio, you must meet the following: Conduct an initial tune-up as specified in § 63.11214, and conduct a tune-up of the boiler biennially as specified in § 63.11223.

Item 16. If your boiler is in this subcategory: Existing coal-fired, biomass-fired, or oil-fired boilers (units with heat input capacity of 10 MMBtu/hr and greater), not including limited-use boilers, you must meet the following: Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least 1 year between January 1, 2008, and the compliance date specified in § 63.11196 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in § 63.11237:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
- (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures that are within the facility's control,
- (6) A list of the energy savings potential of the energy conservation measures identified, and
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

**END OF TABLE 2 REQUIREMENTS**

63.11201(c) [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO OPERATING LIMITS]

63.11201(d) These standards apply at all times the affected boiler is operating, except during periods of startup and shutdown as defined in § 63.11237, during which time you must comply only with Table 2 to this subpart.

[76 FR page 15592, Mar. 21, 2011, as amended at 78 FR page 7506, Feb. 1, 2013]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]****Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**



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**What are my general requirements for complying with this subpart?**

63.11205(a) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

63.11205(b) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11205(c) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

[76 FR page 15592, Mar. 21, 2011, as amended at 78 FR page 7506, Feb. 1, 2013]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11210]  
Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my initial compliance requirements and by what date must I conduct them?**

63.11210(a) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11210(b) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11210(c) For existing affected boilers that have applicable work practice standards, management practices, or emission reduction measures, you must demonstrate initial compliance no later than the compliance date that is specified in §63.11196 and according to the applicable provisions in §63.7(a)(2), except as provided in paragraph (j) of this section.

63.11210(d) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11210(e) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11210(f) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11210(g) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

63.11210(h) [NA – NSPS 4C AND 4D EXEMPTIONS NOT INVOKED]

63.11210(i) For affected boilers that switch fuels or make a physical change to the boiler that results in the applicability of a different subcategory within subpart JJJJJJ or the boiler becoming subject to subpart JJJJJJ, you must demonstrate compliance within 180 days of the effective date of the fuel switch or the physical change. Notification of such changes must be submitted according to §63.11225(g).

63.11210(j) [NA – FACILITY IS MINOR FOR HAP]

Constellation is requesting that the following condition be modified to:  
"[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]"

63.11210(k) For existing affected boilers that have not operated on or after the effective date of the rule and the compliance date that is specified for applicable provisions as specified in paragraphs (k)(1) through (3)

~~63.11210(k)(1) You must complete the initial compliance demonstration, if subject to the emission limits in Table 1 to this subpart, as specified in paragraphs (a) and (b) of this section, no later than 180 days after the re-start of the affected boiler on solid fossil fuel, biomass, or liquid fuel and according to the applicable provisions in § 63.7(a)(2).~~

63.11210(k)(2) You must complete the initial performance tune-up, if subject to the tune-up requirements in § 63.11223, by following the procedures described in § 63.11223(b) no later than 30 days after the re-start of the affected boiler on solid fossil fuel, biomass, or liquid fuel.

63.11210(k)(3) You must complete the one-time energy assessment, if subject to the energy assessment requirements

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specified in Table 2 to this subpart, no later than the compliance date specified in § 63.11196.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7507, Feb. 1, 2013; 81 FR 63125, Sept. 14, 2016]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11211]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I demonstrate initial compliance with the emission limits?**

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11212]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What stack tests and procedures must I use for the performance tests?**

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11213]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What fuel analyses and procedures must I use for the performance tests?**

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11214]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?**

63.11214(a) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11214(b) If you own or operate an existing or new biomass-fired boiler or an existing or new oil-fired boiler, you must conduct a performance tune-up according to §63.11210(c) or (g), as applicable, and §63.11223(b). If you own or operate an existing biomass-fired boiler or existing oil-fired boiler, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted an initial tune-up of the boiler.

63.11214(c) If you own or operate an existing affected boiler with a heat input capacity of 10 million Btu per hour or greater, you must submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 to this subpart and that the assessment is an accurate depiction of your facility at the time of the assessment or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

63.11214(d) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7508, Feb. 1, 2013; 81 FR 63126, Sept. 14, 2016]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11220]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**When must I conduct subsequent performance tests?**

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING OR FUEL ANALYSES]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11221]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I monitor and collect data to demonstrate continuous compliance?**

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11222]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I demonstrate continuous compliance with the emission limits?**

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[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I demonstrate continuous compliance with the work practice and management practice standards?**

63.11223(a) For affected sources subject to the work practice standard or the management practices of a tune-up, you must conduct a performance tune-up according to paragraph (b) of this section and keep records as required in §63.11225(c) to demonstrate continuous compliance. You must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

63.11223(b) Except as specified in paragraphs (c) through (f) of this section, you must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this section. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up must be no later than 25 months after the initial startup of the new or reconstructed boiler.

63.11223(b)(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.

63.11223(b)(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

63.11223(b)(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.

63.11223(b)(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

63.11223(b)(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

63.11223(b)(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(6)(i) through (iii) of this section.

63.11223(b)(6)(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

63.11223(b)(6)(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

63.11223(b)(6)(iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

63.11223(b)(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

63.11223(c) [NA – SOURCES IN THIS GROUP DO NOT HAVE OXYGEN TRIM SYSTEM]

63.11223(d) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS SEASONAL]

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63.11223(e) [NA - SOURCES > 5 MMBTU/HR]

63.11223(f) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS LIMITED USE]

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63.11223(g) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7509, Feb. 1, 2013; 81 FR 63127, Sept. 14, 2016]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11224]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my monitoring, installation, operation, and maintenance requirements?**

63.11224(a) - (e) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11224(f) [NA – BLDS NOT USED OR REQUIRED]

[76 FR page 15594, Mar. 21, 2011, as amended at 78 FR page 7508, Feb. 1, 2013]

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**

**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my notification, reporting, and recordkeeping requirements?**

63.11225(a) You must submit the notifications specified in paragraphs (a)(1) through (5) of this section to the administrator.

63.11225(a)(1) You must submit all of the notifications in §§63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g), and (h) that apply to you by the dates specified in those sections except as specified in paragraphs (a)(2) and (4) of this section.

63.11225(a)(2) An Initial Notification must be submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.

63.11225(a)(3) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

63.11225(a)(4) You must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in §63.11196 unless you own or operate a new boiler subject only to a requirement to conduct a biennial or 5-year tune-up or you must conduct a performance stack test. If you own or operate a new boiler subject to a requirement to conduct a tune-up, you are not required to prepare and submit a Notification of Compliance Status for the tune-up. If you must conduct a performance stack test, you must submit the Notification of Compliance Status within 60 days of completing the performance stack test. You must submit the Notification of Compliance Status in accordance with paragraphs (a)(4)(i) and (vi) of this section. The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs (a)(4)(i) through (v) of this section, as applicable, and signed by a responsible official.

63.11225(a)(4)(i) You must submit the information required in §63.9(h)(2), except the information listed in §63.9(h)(2)(i)(B), (D), (E), and (F). If you conduct any performance tests or CMS performance evaluations, you must submit that data as specified in paragraph (e) of this section. If you conduct any opacity or visible emission observations, or other monitoring procedures or methods, you must submit that data to the Administrator at the appropriate address listed in §63.13.

63.11225(a)(4)(ii) “This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler.”

63.11225(a)(4)(iii) “This facility has had an energy assessment performed according to § 63.11214(c).”

63.11225(a)(4)(iv) [NA – BLDS NOT USED OR REQUIRED]

63.11225(a)(4)(v) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11225(a)(4)(vi) The notification must be submitted electronically using the Compliance and Emissions Data

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Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in §63.13.

63.11225(a)(5) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11225(b) You must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of this section. For boilers that are subject only to the energy assessment requirement and/or a requirement to conduct a biennial or 5-year tune-up according to §63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this section.

63.11225(b)(1) Company name and address.

63.11225(b)(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

63.11225(b)(2)(i) "This facility complies with the requirements in §63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

63.11225(b)(2)(ii) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11225(b)(2)(iii) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11225(b)(3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

63.11225(b)(4) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11225(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.

63.11225(c)(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

63.11225(c)(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214 and §63.11223 as specified in paragraphs (c)(2)(i) through (vi) of this section.

63.11225(c)(2)(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

63.11225(c)(2)(ii) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11225(c)(2)(iii) For each boiler required to conduct EPA an energy assessment, you must keep a copy of the energy assessment report.

63.11225(c)(2)(iv) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11225(c)(2)(v) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS SEASONAL]

63.11225(c)(2)(vi) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS LIMITED USE]

63.11225(c)(3) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO FUEL ANALYSES]

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63.11225(c)(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

63.11225(c)(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

63.11225(c)(6) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

63.11225(c)(7) [NA – BLDS NOT USED OR REQUIRED]

63.11225(d) Your records must be in a form suitable and readily available for expeditious review. You must keep each record for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.

63.11225(e) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

63.11225(f) [NA – SOURCES IN THIS GROUP ARE OIL-FIRED]

63.11225(g) If you have switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within this subpart, in the boiler becoming subject to this subpart, or in the boiler switching out of this subpart due to a fuel change that results in the boiler meeting the definition of gas-fired boiler, as defined in §63.11237, or you have taken a permit limit that resulted in you becoming subject to this subpart or no longer being subject to this subpart, you must provide notice of the date upon which you switched fuels, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:

63.11225(g)(1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice.

63.11225(g)(2) The date upon which the fuel switch, physical change, or permit limit occurred.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7511, Feb. 1, 2013; 81 FR 63127, Sept. 14, 2016]

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11235]**

**Subpart JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GRP03

Group Description: Cooling Towers

Sources included in this group

| ID  | Name            |
|-----|-----------------|
| C1A | COOLING TOWER A |
| C1B | COOLING TOWER B |

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall conduct quarterly sampling of the circulating cooling water to determine the total dissolved solids (TDS) (mg/L) content.
- (b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) When in operation, the permittee shall monitor & record the following for each cooling tower:

- ~~(1) Water flow rate - daily~~  
(2) Hours of operation - daily

- (b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

Constellation is requesting this be removed as these sources will only be operated at the design water flow rate while operational.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall limit the drift rate of each cooling tower to less than or equal to 0.001%.

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GRP04

Group Description: Emergency Generator(s) - State Requirements

Sources included in this group

| ID   | Name                                                         |
|------|--------------------------------------------------------------|
| FSP1 | FIRE PUMP DIESEL                                             |
| FSP3 | FIRE PUMP DIESEL                                             |
| FX1A | CUMMINS EMERGENCY DIESEL GENERATOR 1, 755 HP, 2015 (FX-Y-1A) |
| FX1B | CUMMINS EMERGENCY DIESEL GENERATOR 2, 755 HP, 2015 (FX-Y-1B) |
| Y1A  | EMERGENCY DIESEL GENERATOR 1A                                |
| Y1B  | EMERGENCY DIESEL GENERATOR 1B                                |
| Y2   | SECURITY UNINT. POWER GEN.                                   |
| Y4   | STATION BLACKOUT DIESEL GEN.                                 |

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the atmosphere of sulfur oxides from the sources in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The sulfur content of the diesel/No. 2 fuel oil shall not exceed 15 ppm (0.0015 % by weight).

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the operation (emergency and non-emergency use) of each emergency engine to 250 hours per year, based on any consecutive 12-month period, calculated monthly.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall install and maintain a non-resettable hour meter on each engine.

# 006 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

(a) The permittee shall sample each shipment of diesel/fuel oil before use in any engine. As an alternative, the permittee shall obtain a certification for each diesel/oil supplier as to the sulfur content of the diesel/oil as delivered and a delivery receipt with each delivery.

**SECTION E. Source Group Plan Approval Restrictions.**

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall record the following for each engine:

(a) Hours of operation - monthly & 12-month rolling total

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GRP05

Group Description: 40 CFR 60, Subpart III Engine(s)

Sources included in this group

| ID   | Name                                                         |
|------|--------------------------------------------------------------|
| FX1A | CUMMINS EMERGENCY DIESEL GENERATOR 1, 755 HP, 2015 (FX-Y-1A) |
| FX1B | CUMMINS EMERGENCY DIESEL GENERATOR 2, 755 HP, 2015 (FX-Y-1B) |

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

## Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart III shall comply with all applicable requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
 United States Environmental Protection Agency  
 Region III, Enforcement & Compliance Assurance Division  
 Air, RCRA and Toxics Branch (3ED21)  
 Four Penn Center  
 1600 John F. Kennedy Boulevard  
 Philadelphia, Pennsylvania 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having

**SECTION E. Source Group Plan Approval Restrictions.**

the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

60.4200(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

60.4200(a)(1) [NA - NOT AN ENGINE MANUFACTURER]

60.4200(a)(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

60.4200(a)(2)(i) Manufactured after April 1, 2006, and are not fire pump engines, or

60.4200(a)(2)(ii) [NA - NOT A FIRE PUMP ENGINE]

60.4200(a)(3) [NA - NOT MODIFIED OR RECONSTRUCTED]

60.4200(a)(4) The provisions of § 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

60.4200(b) [NA - TEST CELL NOT INVOLVED]

60.4200(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

60.4200(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C, except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

60.4200(e) [NA - NOT A TEMPORARY REPLACEMENT UNIT]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011; 86 FR 34357, June 29, 2021]

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4201]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for non-emergency engines if I am a stationary CI internal combustion engine manufacturer?**

[NA - NOT AN ENGINE MANUFACTURER]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

[NA - NOT AN ENGINE MANUFACTURER]

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4203]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must my engines meet the emission standards if I am a stationary CI internal combustion engine manufacturer?**

[NA - NOT AN ENGINE MANUFACTURER]

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**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

[NA - UNITS ARE EMERGENCY]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

60.4205(a) [NA - ENGINES 2007 MODEL YEAR OR LATER]

60.4205(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

**60.4202 REQUIREMENTS**

60.4202(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

60.4202(a)(1) [NA - UNIT(S) > 37 KW (50 HP)]

60.4202(a)(2) For engines with a rated power greater than or equal to 37 KW (50 HP), the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105 beginning in model year 2007 [CONSTANT SPEED ENGINES NOT SUBJECT TO SMOKE STANDARDS PER 40 CFR 1039.105(a)(2)].

NOTE 1: 755 hP (563 kW) UNITS HAVE A CERTIFICATE OF CONFORMITY WITH THE 2006 MODEL YEAR STANDARDS. THESE ARE AS FOLLOWS

NMHC + NOX: 6.4 g/kW-hr

CO: 3.5 g/kW-hr

PM: 0.20 g/kW-hr

END OF 60.4202 REQUIREMENTS

60.4205(c) [NA - NOT FIRE PUMP ENGINES]

60.4205(d) [NA - UNITS < 30 L/CYL]

60.4205(e) [NA - DOES NOT CONDUCT PERFORMANCE TESTS IN USE]

60.4205(f) [NA - NOT MODIFIED OR RECONSTRUCTED]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 86 FR 34358, June 29, 2021]

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in § 60.4204 and 60.4205 over the entire life of the engine.

[76 FR page 37969, June 28, 2011]

**SECTION E. Source Group Plan Approval Restrictions.****# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

60.4207(a) [Reserved]

60.4207(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

§1090.305: ULSD standards:

- (a) Overview. Except as specified in § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.
- (b) Sulfur content. Maximum sulfur content of 15 ppm.
- (c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:
  - (1) Minimum cetane index of 40;
  - (2) Maximum aromatic content of 35 volume percent.

60.4207(c) [RESERVED]

60.4207(d) [NA - UNITS &lt; 30 L/CYL]

60.4207(e) [NA - NO NATIONAL SECURITY EXEMPTION]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 85 FR 78463, Dec. 4, 2020]

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4208]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What is the deadline for importing or installing stationary CI ICE produced in the previous model year?**

60.4208(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

60.4208(b) [NA - UNITS &gt;25 HP AND NOT FIRE PUMP ENGINE]

60.4208(c)-(g) [NA - NO NON-EMERGENCY UNITS]

60.4208(h) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

60.4208(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in § 60.4211.

60.4209(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

60.4209(b) [NA - FILTER NOT INSTALLED TO COMPLY WITH REGULATION]

**SECTION E. Source Group Plan Approval Restrictions.**

[Amended at 76 FR page 37969, June 28, 2011]

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4210]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am a stationary CI internal combustion engine manufacturer?**

[NA - NOT AN ENGINE MANUFACTURER]

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

60.4211(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

60.4211(a)(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

60.4211(a)(2) Change only those emission-related settings that are permitted by the manufacturer; and

60.4211(a)(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

60.4211(b) [NA - ENGINES ARE 2007 MODEL YEAR OR LATER]

60.4211(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4204(b) or § 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in § 60.4205(c), you must comply by purchasing an engine certified to the emission standards in § 60.4204(b), or § 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

60.4211(d) [NA - NOT SUBJECT TO § 60.4204(c) OR § 60.4205(d)]

60.4211(e) [NA - NOT MODIFIED OR RECONSTRUCTED]

60.4211(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

60.4211(f)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

60.4211(f)(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

60.4211(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

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60.4211(f)(2)(ii) - (iii) [RESERVED]

60.4211(f)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

60.4211(f)(3)(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

60.4211(f)(3)(i)(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

60.4211(f)(3)(i)(B) 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.

60.4211(f)(3)(i)(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

60.4211(f)(3)(i)(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

60.4211(f)(3)(i)(E) The owner or operator 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 engine owner or operator.

60.4211(f)(3)(ii) [Reserved]

60.4211(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

60.4211(g)(1) [NA - ENGINES >100 HP]

60.4211(g)(2) [NA - ENGINES >500 HP]

60.4211(g)(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards

60.4211(h) [NA - NOT EQUIPPED WITH AECDs]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 86 FR 34359, June 29, 2021; 87 FR 48605, Aug. 10, 2022]

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4212]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?**

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[NA - TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4211(g)]

**# 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4213]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of greater than or equal to 30 liters per cylinder?**

[NA - DISPLACEMENT <30 L/CYL]

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

60.4214(a) [NA - UNITS ARE EMERGENCY]

60.4214(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

60.4214(c) [NA - NOT REQUIRED TO HAVE A DIESEL PARTICULATE FILTER]

60.4214(d) [NA - ENGINES DO NOT OPERATE FOR THE PURPOSE SPECIFIED IN § 60.4211(f)(3) (NO FINANCIAL ARRANGEMENT WITH ANOTHER ENTITY)]

60.4214(e) [NA - NOT EQUIPPED WITH AECDs]

60.4214(f) [NA - NOT REQUIRED TO CONDUCT PERFORMANCE TESTING]

60.4214(g) If you are required to submit notifications or reports following the procedure specified in this paragraph (g), you must submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in paragraphs (g)(1) and (2) of this section. Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR part 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this paragraph (g).

60.4214(g)(1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address [oaqpscbi@epa.gov](mailto:oaqpscbi@epa.gov), and as described in paragraph (g) of this section, should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if you do not have your own file sharing service, please email [oaqpscbi@epa.gov](mailto:oaqpscbi@epa.gov) to request a file transfer link.

60.4214(g)(2) If you cannot transmit the file electronically, you may send CBI information through the postal service to the following address: OAQPS Document Control Officer (C404-02), OAQPS, U.S. Environmental Protection Agency, 109 T.W. Alexander Drive, P.O. Box 12055, Research Triangle Park, North Carolina 27711. ERT files should be sent to the attention of

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the Group Leader, Measurement Policy Group, and all other files should be sent to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.

60.4214(h) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (h)(1) through (7) of this section.

60.4214(h)(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

60.4214(h)(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

60.4214(h)(3) The outage may be planned or unplanned.

60.4214(h)(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

60.4214(h)(5) You must provide to the Administrator a written description identifying:

60.4214(h)(5)(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

60.4214(h)(5)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

60.4214(h)(5)(iii) A description of measures taken or to be taken to minimize the delay in reporting; and (iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

60.4214(h)(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

60.4214(h)(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

60.4214(i) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with that reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (i)(1) through (5) of this section.

60.4214(i)(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

60.4214(i)(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

60.4214(i)(3) You must provide to the Administrator:

60.4214(i)(3)(i) A written description of the force majeure event;

60.4214(i)(3)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

60.4214(i)(3)(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

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60.4214(i)(3)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

60.4214(i)(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

60.4214(i)(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

60.4214(j) Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[71 FR 39172, July 11, 2006, as amended at 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 87 FR 48606, Aug. 10, 2022; 89 FR 70512, Aug. 30, 2024]

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What parts of the General Provisions apply to me?**

60.4218(a) Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

60.4218(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers. For others, the general confidential business information (CBI) provisions apply as described in 40 CFR part 2.

[88 FR 4471, Jan. 24, 2023]

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GRP06

Group Description: 40 CFR 63, Subpart ZZZZ Engine(s)

**Sources included in this group**

| ID   | Name                          |
|------|-------------------------------|
| FSP1 | FIRE PUMP DIESEL              |
| FSP3 | FIRE PUMP DIESEL              |
| Y1A  | EMERGENCY DIESEL GENERATOR 1A |
| Y1B  | EMERGENCY DIESEL GENERATOR 1B |
| Y2   | SECURITY UNINT. POWER GEN.    |
| Y4   | STATION BLACKOUT DIESEL GEN.  |

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

## Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director  
 United States Environmental Protection Agency  
 Region III, Enforcement & Compliance Assurance Division  
 Air, RCRA and Toxics Branch (3ED21)  
 Four Penn Center  
 1600 John F. Kennedy Boulevard  
 Philadelphia, Pennsylvania 19103-2852



**SECTION E. Source Group Plan Approval Restrictions.**

commenced construction or reconstruction of the stationary RICE before June 12, 2006.

63.6590(a)(1)(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

63.6590(a)(2) [NA – NOT A NEW RICE]

63.6590(a)(3) [NA – NOT A RECONSTRUCTED RICE]

63.6590(b) Stationary RICE subject to limited requirements.

63.6590(b)(1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

63.6590(b)(1)(i) [NA – NOT A MAJOR HAP SOURCE]

63.6590(b)(1)(ii) [NA – NOT A MAJOR HAP SOURCE]

63.6590(b)(2) [NA – NOT A MAJOR HAP SOURCE AND DOES NOT COMBUST LFG]

63.6590(b)(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

63.6590(b)(3)(i) - (iv) [NA – NOT A MAJOR HAP SOURCE]

63.6590(b)(3)(v) [NA – NOT A MAJOR HAP SOURCE AND DOES NOT COMBUST LFG]

63.6590(c) [NA – NOT SUBJECT TO SUBPARTS IIII OR JJJJ]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

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

**When do I have to comply with this subpart?**

63.6595(a) Affected Sources.

63.6595(a)(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than June 15, 2007. If you have an existing non-emergency SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

Constellation is requesting that this condition be changed to:  
"NA - NOT A MAJOR HAP SOURCE"

63.6595(a)(2) - (5) [NA – NOT A MAJOR HAP SOURCE]

63.6595(a)(6) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6595(a)(7) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6595(b) ~~Area sources that become major sources.~~



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~~If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.~~

~~63.6595(b)(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.~~

~~63.6595(b)(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.~~

63.6595(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3604, Jan. 18, 2008; 75 FR page 9675, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010; 78 FR page 6701, Jan. 30, 2013]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6600]**  
**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**  
**What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?**  
[NA – FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6601]**  
**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**  
**What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?**  
[NA – FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]**  
**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**  
**What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**  
[NA – FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**  
**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**  
**What emission limitations, compliance requirements, and operating limitations must I meet if I own or operate a stationary RICE located at a major source of HAP emissions?**  
Compliance with the numeric average of three 1-hour runs  
63.6603(a) If you own or operate a stationary RICE with the requirements in Table 2d  
TABLE 2d REQUIREMENTS:  
~~ITEM 5: Emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE >500 HP that operate 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE >500 HP that operate 24 hours or less per calendar year. SEE NOTE (2):~~  
~~(a) Change oil and filter every 500 hours of operation or annually, whichever comes first. SEE NOTE (1);~~  
~~(b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and~~

The engines in this group are diesel engines not spark ignition engines. As such this condition incorrectly references Item 5 for spark ignition engines instead of Item 4 for Compression Ignition engines. The following language is the current version of the Item 4 requirements.  
Item 4: Emergency stationary CI RICE and black start stationary CI RICE. See NOTE (2)  
a. Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first;  
b. Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and  
c. Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

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**SECTION E. Source Group Plan Approval Restrictions.**

~~(c). Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary~~

NOTE (1): Sources have the option to utilize an oil analysis program as described in § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

NOTE (2): If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[END OF TABLE 2d REQUIREMENTS]

63.6603(b) - (f) [NA – EMERGENCY ENGINE]

[75 FR page 9675, Mar. 3, 2010, as amended at 75 FR page 51589, Aug. 20, 2010; 76 FR page 12866, Mar. 9, 2011; 78 FR page 6701, Jan. 30, 2013]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]**

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

**What fuel requirements must I meet if I own or operate an existing stationary CI RICE?**

[NA – EXISTING EMERGENCY ENGINES ARE NOT SUBJECT TO FUEL REQUIREMENTS]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

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

**What are my general requirements for complying with this subpart?**

63.6605(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

63.6605(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010; 78 FR page 6702, Jan. 30, 2013]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6610]**

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

**By what date must I conduct the initial performance tests or other initial compliance demonstrations?**

[NA – NOT A MAJOR HAP SOURCE]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6611]**

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

**By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating (please see below)**

[NA – NOT A MAJOR HAP SOURCE]

**SECTION E. Source Group Plan Approval Restrictions.****# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)**

[NA – NO PERFORMANCE TESTING REQUIRED]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6615]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****When must I conduct subsequent performance tests?**

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6620]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What performance tests and other procedures must I use?**

[NA – NO PERFORMANCE TESTING REQUIRED]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

63.6625(a) [NA – CEMS NOT REQUIRED]

63.6625(b) [NA – CPMS NOT REQUIRED]

63.6625(c) [NA – LFG NOT USED]

63.6625(d) [NA – NOT A MAJOR HAP SOURCE]

63.6625(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

63.6625(e)(1) - (2) [NA – NOT A MAJOR HAP SOURCE]

63.6625(e)(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

63.6625(e)(4) - (10) [NA – EMERGENCY ENGINES]

63.6625(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

63.6625(g) [NA – EMERGENCY ENGINE(S)]

63.6625(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

63.6625(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of table 2c to this subpart or in items 1 or 4 of table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil and filter change requirement in tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil and filter in table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity,

**SECTION E. Source Group Plan Approval Restrictions.**

and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil and filter. If any of the limits are exceeded, the engine owner or operator must change the oil and filter within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil and filter within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil and filter changes for the engine. The analysis program must be part of the maintenance plan for the engine.

63.6625(j) [NA - NO SI ENGINES]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013; 89 FR 70516, Aug. 30, 2024]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6630]**

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

**How do I demonstrate initial compliance with the emission limitations and operating limitations?**

63.6630(a) You must demonstrate initial compliance with each emission limitation, operating limitation, and other requirement that applies to you according to Table 5 of this subpart. [NA – NONE OF THE CATEGORIES IN TABLE 5 APPLY TO EMERGENCY ENGINES]

63.6630(b) [NA – PERFORMANCE TESTING NOT REQUIRED]

63.6630(c) [NA – NOCS NOT REQUIRED FOR EXISTING EMERGENCY RICE]

63.6630(d) - (e) [NA – EMERGENCY ENGINE]

[Amended at 78 FR page 6704, Jan. 30, 2013]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]**

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

**How do I monitor and collect data to demonstrate continuous compliance?**

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

63.6640(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

**TABLE 6 REQUIREMENTS**

ITEM 9. FOR EACH existing emergency and black start stationary RICE  $\leq$ 500 HP located at a major source of HAP, existing nonemergency stationary RICE  $<$ 100 HP located at a major source of HAP, EXISTING EMERGENCY and black start STATIONARY RICE LOCATED AT AN AREA SOURCE OF HAP, existing non-emergency stationary CI RICE  $\leq$ 300 HP located at an area source of HAP, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE  $\leq$ 500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE  $>$ 500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE  $>$ 500 HP located at an area source of HAP that are remote stationary RICE, complying with the requirement to "Work or Management practices", you must demonstrate continuous compliance by:

**SECTION E. Source Group Plan Approval Restrictions.**

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[END OF TABLE 6 REQUIREMENTS]

63.6640(b) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6640(c) [NA – ANNUAL COMPLIANCE DEMONSTRATION NOT REQUIRED]

63.6640(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6640(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE. [EXISTING EMERGENCY RICE AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

63.6640(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

63.6640(f)(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

63.6640(f)(2) You may operate your emergency stationary RICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

63.6640(f)(2)(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

63.6640(f)(2)(ii) - (iii) [Reserved]

63.6640(f)(3) [NA – NOT A MAJOR HAP SOURCE]

63.6640(f)(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. Except as provided in

**SECTION E. Source Group Plan Approval Restrictions.**

paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

63.6640(f)(4)(i) [NA - NOT USED FOR PEAK SHAVING OR NON-EMERGENCY DEMAND RESPONSE]

63.6640(f)(4)(ii) [NA - NO FINANCIAL ARRANGEMENT WITH ANOTHER ENTITY]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What notifications must I submit and when?**

63.6645(a) You must submit all of the notifications in § 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

63.6645(a)(1) [NA – NOT A MAJOR HAP SOURCE]

63.6645(a)(2) [NA - PER 63.6645(a)(5)]

63.6645(a)(3) [NA – NOT A MAJOR HAP SOURCE]

63.6645(a)(4) [NA – NOT A MAJOR HAP SOURCE]

63.6645(a)(5) [NA - ENGINES > 100 HP]

63.6645(b) - (e) [NA – NOT A MAJOR HAP SOURCE]

63.6645(f) [NA – 63.6590(b) DOES NOT APPLY]

63.6645(g) [NA – PERFORMANCE TEST NOT REQUIRED]

63.6645(h) [NA – PERFORMANCE TEST NOT REQUIRED]

63.6645(i) [NA – EMERGENCY ENGINE]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020; 89 FR 70516, Aug. 30, 2024]

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What reports must I submit and when?**

[NA - EXCEPT FOR FOOTNOTE 1 OF TABLE 2c, FACILITY IS NOT SUBJECT TO ANY REPORTING REQUIREMENTS IN TABLE 7]

NA - RICE does not operate for the purposes specified in 63.6640(f)(4)(ii)

**# 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

63.6655(a) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6655(b) [NA – NO CEMS OR CPMS]

63.6655(c) [NA – LFG NOT USED]

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63.6655(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

63.6655(e)(1) [NA – NOT A MAJOR HAP SOURCE]

63.6655(e)(2) An existing stationary emergency RICE.

63.6655(e)(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

63.6655(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

63.6655(f)(1) [NA – NOT A MAJOR HAP SOURCE]

63.6655(f)(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022; 89 FR 70518, Aug. 30, 2024]

**# 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

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

**In what form and how long must I keep my records?**

63.6660(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

63.6660(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

63.6660(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9678, Mar. 3, 2010]

**# 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

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

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in § 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new

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limited use stationary RICE. [EXCEPT PER 63.6645(a)(5), THE FOLLOWING DO NOT APPLY: 63.7(b) AND (c), 63.8(e), (f)(4) AND (f)(6), AND 63.9(b)-(e), (g) AND (h)]

[75 FR page 9678, Mar. 3, 2010]



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.



**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001

The following sources/storage tanks are not subject to any specific work practice standards, testing, monitoring, recordkeeping, or reporting requirements:

- Three small diesel powered air compressors for starting large station emergency generators (3 kW (4 hP)) (IDs EG-P-1A, EG-P-1B, EG-P-11B)
- Turbine Plant: vents and condenser off-gas
- Turbine oil vapor extractor, and 15,000 gal turbine lubricating oil storage tank (ID LO-T-1)
- Storage tanks for water, and various water/waste water treatment chemical storage tanks of capacity range from less than 1,000 to 25,000 gallons
- Portable Circulating Water Flume Screen Washing Pump
- Portable and temporary equipment used to support plant operations and maintenance (e.g., welding machine, light stanchions, pumps, power generators)
- Other operations and support equipment (e.g., closed-loop low VOC parts washer, fire suppression CO2 and halon systems, facility air conditioning, industrial gas use, on-site fire training)
- Portable 150 HP Emergency Diesel Fire Pumps (IDs FX-P-3A, FX-P-3B)
- Industrial Mechanical Draft Cooling Towers (2 units) (IDs C1, C2)
- Three Portable Diesel Engine Driven 5-HP Trash Pumps (3 units) (ID FX-P-4)
- Portable 350 kW Diesel Emergency Generator (ID FX-Y-3)
- Portable Yanmar 5.5 kW Diesel Powered Emergency Generator (Y7; 3 units) (ID Y7-3)
- ~~Portable South Office Emergency Generator (ID EG-Y-8)~~
- 60 kW Propane Fired Emergency Generator (mfg/installed 2024)
- 200,000 gal fuel tank for Auxiliary Boilers (B1A/B) and Emergency Diesel Generators (Y1A/B) (ID FO-T-2)
- 50,000 gal fuel tank for Auxiliary Boilers (B1A/B) and Emergency Diesel Generators (Y1A/B) (ID FO-T-1)
- 35,000 gal UST for Emergency Diesel Generator fuel (Y1A/B) (ID DF-T-1)
- 100 gal day tank for diesel engine (ID DF-T-4)
- 275 gal day tank for diesel engine (ID DF-T-4)
- 25,000 gal fuel tank for Station Blackout Diesel Generator (Y4) (ID DF-T-8)
- 350 gal fuel tank for Circulating Water Fire Pump (FSP1) (ID FO-T-3&4)
- 550 gal fuel day tanks for Emergency Diesel Generators (Y1A/B) (ID DF-T-2 A/B)
- 500 gal fuel day tank for diesel engine (ID DF-T-13)
- 5,000 gal diesel storage tank (ID FX-T-2)
- 120 gal diesel storage tank (ID FX-T-3)
- 200 gal diesel storage tank on FLEX truck (ID FX-T-4)

This source should be removed from this list and the permit as it has been deactivated.



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

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