



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

**Request for Determination of Changes of Minor Significance  
and Exemption from Plan Approval/Operating Permit  
Under Pa Code §127.14 or §127.449**

A. Request for:	
<p><b>Exemption from Plan Approval</b></p> <p><input type="checkbox"/> Minor Sources or classes of sources, pursuant to 25 Pa. Code Section 127.14(a)(1)-(7)</p> <p><input checked="" type="checkbox"/> Other sources and classes of sources of minor significance, pursuant to 25 Pa. Code Section 127.14(a)(8)</p> <p><input type="checkbox"/> Physical changes to sources of minor significance, pursuant to 25 Pa. Code Section 127.14(a)(9)</p> <p><input type="checkbox"/> Additional physical changes of minor significance that do not add new equipment, pursuant to 25 Pa. Code Section 127.14(c)(1)</p> <p><input type="checkbox"/> Additional physical changes of minor significance that add new equipment, pursuant to 25 Pa. Code Section 127.14(c)(2)</p>	<p><b>Exemption from Operating Permit</b></p> <p><input checked="" type="checkbox"/> Other sources and classes of sources of minor significance, pursuant to 25 Pa. Code Section 127.14(a)(8)</p> <p><input type="checkbox"/> Physical changes to sources of minor significance, pursuant to 25 Pa. Code Section 127.14(a)(9)</p> <p><input type="checkbox"/> Additional physical changes of minor significance that do not add new equipment, pursuant to 25 Pa. Code Section 127.14(c)(1)</p> <p><input type="checkbox"/> Additional physical changes of minor significance that add new equipment, pursuant to 25 Pa. Code Section 127.14(c)(2)</p> <p><input type="checkbox"/> Changes due to De Minimis increases in emissions, pursuant to 25 Pa. Code Section 127.449</p>
B. Company/Facility Information	
<b>Company/Facility Name:</b> CRANE CLEAN ENERGY CENTER	<b>Plant Name:</b> 31
<b>Site Address:</b> PO Box 480, Route 441 S Middletown PA 17057	
<b>Latitude:</b>	<b>Longitude:</b>
<b>Mailing Address:</b> PO Box 480, Route 441 S Middletown PA 17057	
<b>Federal Employer Identification Number (EIN):</b> 23-3064219	
<b>Current Operating Permit No:</b>	<b>NAICS Code:</b> 221113
<b>Name of Person Completing Form:</b> Kaden Peart	<b>Title:</b> Associate Consultant
<b>Address</b>	<b>Telephone:</b> (610) 480-9861
Trinity Consultants 211 Welsh Pool Rd Ste 238	<b>Fax:</b>
Exton PA 19341	<b>EMAIL:</b> Kaden.Peart@trinityconsultants.com
<b>Name of Company/Facility Contact Person:</b> Andrew Spriggle	<b>Title:</b> Snr Env Specialist
<b>Address</b>	<b>Telephone:</b> (717) 348-8259
PO Box 480, Route 441 S	<b>Fax:</b>
Middletown PA 17057	<b>EMAIL:</b> Andrew.Spriggle@constellation.com
C. Project Description	
<b>Project Type:</b> <input type="checkbox"/> New Construction <input type="checkbox"/> Modification <input type="checkbox"/> Remediation <input checked="" type="checkbox"/> Other	
<b>Total number of sources in project:</b> 3	
<b>Description of project:</b> Constellation is working to reactivate the Crane Clean Energy Center (Crane), which is a nuclear generating facility located in Londonderry Township, Dauphin County, Pennsylvania. Crane previously operated under State	



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Only Operating Permit #22-05029, which expired on October 31, 2022. Constellation submitted a Plan Approval application on October 30, 2025, to reactivate this facility. Constellation is submitting this Request for Determination (RFD) to gain approval from the Pennsylvania Department of Environmental Protection (PADEP) for limited operation of three emergency generators at Crane. In order to prepare for the reactivation of the equipment prior to the restart of the facility, Crane must complete maintenance testing on these units. Crane is requesting the ability to operate these engines on a limited basis for the sole purpose of maintenance. The engines in question are Y-1A, Y-1B, and Y4, named in both the previous permit for this facility and the Plan Approval application from October 2025. These units will not be operated for any emergency support prior to the issuance of the Plan Approval. The facility is requesting eligibility for an RFD based on the Air Quality permit Exemptions document under 127.14(a)(8), specifically the section on: Exemptions that do not require the submission of an RFD form. Line item #44 of this section states that a qualifying project can be: Any source granted an exemption by the Department through the execution of an RFD form. The engines have the potential to emit NOX, VOC, CO, PM, and SOX. The maintenance testing will limit emissions from each engine to below the de minimis thresholds outlined above with NOX, VOC, CO, PM, and SOX emissions under 1.0 tpy, 1 tpy, 4.0 tpy, 0.6 tpy and 0.6 tpy, respectively.



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<b>D. Source Description</b>			
<b>Source Name:</b> Y4-STATION BLACKOUT DIESEL GENERATOR			
<b>Source Category:</b> INTERNAL COMBUSTION -- Diesel Fuel			
<b>Source Location:</b> Crane Clean Energy Center			
<b>Source Type:</b> <input checked="" type="checkbox"/> Stationary <input type="checkbox"/> Portable			
<b>Is equipment existing or proposed?</b> <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Proposed			
Actual or Planned Date of Installation: 01/20/2026			
<b>Municipality:</b> Londonderry-Township		<b>County:</b> Dauphin	
<b>Source Description:</b> Emissions from source reactivation testing for the Y4 emergency diesel generator. Maximum of 4560 gallons of diesel to be consumed.			
<b>Pollutant</b>	<b>Calculation Method</b>	<b>Emissions (lbs/hr)</b>	<b>Emissions (tons/year)</b>
Particulate	SEE COMMENT	3.1517	0.0312
PM10	AP-42 LATEST AVAILABLE	3.1517	0.0312
PM2.5	SEE COMMENT	3.1517	0.0312
SOX	AP-42 LATEST AVAILABLE	0.0477	0.0005
CO	AP-42 LATEST AVAILABLE	26.7894	0.2656
NOX	AP-42 LATEST AVAILABLE	100.8541	0.9998
VOC	AP-42 LATEST AVAILABLE	2.8365	0.0281
Hazardous Air Pollutants	AP-42 LATEST AVAILABLE	0.1434	0.0014
<b>Will the construction of this source increase emissions from other sources at this facility?</b>			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>Is the construction or modification of the source subject to 25 Pa. Code, Subchapter E, New Source Review (NSR) requirements or prevention of Significant Deterioration (PSD) of Air Quality regulations at Subchapter D?</b>			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>Source Name:</b> Y1B-EMERGENCY DIESEL GENERATOR 1B			
<b>Source Category:</b> INTERNAL COMBUSTION -- Diesel Fuel			
<b>Source Location:</b> Crane Clean Energy Center			
<b>Source Type:</b> <input checked="" type="checkbox"/> Stationary <input type="checkbox"/> Portable			
<b>Is equipment existing or proposed?</b> <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Proposed			
Actual or Planned Date of Installation: 01/20/2026			
<b>Municipality:</b> Londonderry-Township		<b>County:</b> Dauphin	
<b>Source Description:</b> Emissions from source reactivation testing for the Y1B emergency diesel generator. Maximum of 4560 gallons of diesel to be consumed.			



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Pollutant	Calculation Method	Emissions (lbs/hr)	Emissions (tons/year)
Particulate	SEE COMMENT	3.1517	0.0312
PM10	AP-42 LATEST AVAILABLE	3.1517	0.0312
PM2.5	SEE COMMENT	3.1517	0.0312
SOX	AP-42 LATEST AVAILABLE	0.0477	0.0005
CO	AP-42 LATEST AVAILABLE	26.7894	0.2656
NOX	AP-42 LATEST AVAILABLE	100.8541	0.9998
VOC	AP-42 LATEST AVAILABLE	2.8365	0.0281
Hazardous Air Pollutants	AP-42 LATEST AVAILABLE	0.1434	0.0014

**Will the construction of this source increase emissions from other sources at this facility?**

Yes       No

**Is the construction or modification of the source subject to 25 Pa. Code, Subchapter E, New Source Review (NSR) requirements or prevention of Significant Deterioration (PSD) of Air Quality regulations at Subchapter D?**

Yes       No

**Source Name:** Y1A-EMERGENCY DIESEL GENERATOR 1A

**Source Category:** INTERNAL COMBUSTION -- Diesel Fuel

**Source Location:** Crane Clean Energy Center

**Source Type:**     Stationary                       Portable

**Is equipment existing or proposed?**     Existing                       Proposed

Actual or Planned Date of Installation: 01/20/2026

**Municipality:** Londonderry-Township

**County:** Dauphin

**Source Description:** Emissions from source reactivation testing for the Y1A emergency diesel generator. Maximum of 4560 gallons of diesel to be consumed.

Pollutant	Calculation Method	Emissions (lbs/hr)	Emissions (tons/year)
Particulate	SEE COMMENT	3.1517	0.0312
PM10	AP-42 LATEST AVAILABLE	3.1517	0.0312
PM2.5	SEE COMMENT	3.1517	0.0312
SOX	AP-42 LATEST AVAILABLE	0.0477	0.0005
CO	AP-42 LATEST AVAILABLE	26.7894	0.2656
NOX	AP-42 LATEST AVAILABLE	100.8541	0.9998
VOC	AP-42 LATEST AVAILABLE	2.8365	0.0281
Hazardous Air Pollutants	AP-42 LATEST AVAILABLE	0.1434	0.0014



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Will the construction of this source increase emissions from other sources at this facility?

Yes  No

Is the construction or modification of the source subject to 25 Pa. Code, Subchapter E, New Source Review (NSR) requirements or prevention of Significant Deterioration (PSD) of Air Quality regulations at Subchapter D?

Yes  No



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<b>E. Exemption History</b>				
Source Name	Date of Installation	Reason for Exemption		
		RFD	Exemption List	De Minimis
<b>F. List of Attached Documents</b>				
Description of Attachment				Confidential?
Cover Letter				N
PTE Calculations				N
<b>G. Signature of Responsible Official or Authorized Representative</b>				
I, Cory Hoffman , certify under penalty of law as provided in 18 Pa. C.S.A. § 4904 and 35 P.S. § 4009(b)(2) that based on information and belief formed after reasonable inquiry, the statements and information contained in this form are true, accurate, and complete.				
Cory Hoffman	01/05/2026	7248549299		
Name	Date	Telephone		
2625 River Road Middletown PA 17057	cory.hoffman@constellation.com			
Address	Email Address			



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**NOTES**

**From:** Kaden Peart

**Date:** 12/23/2025

**Subject:** Particulate Matter Emissions

**Message:**

PM and PM2.5 emissions are approximated to be equivalent to PM10 emissions according to AP-42 Table 3.4-1 emission factors.