



State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

AIR, ENERGY AND MATERIALS SUSTAINABILITY
Division of Air Quality and Radiation Protection
Bureau of Stationary Sources
401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP200002

Program Interest Number: 55796

Mailing Address	Plant Location
JEFF DRZEWIECKI ENVIRONMENTAL REMEDIATION MANAGER NOVELIS ALR ROLLED PRODUCTS INC 3550 PEACHTREE RD - STE 1100 ATLANTA, GA 30326	NOVELIS ALR ROLLED PRODUCTS, INC. 838 N Delsea Dr Clayton Gloucester County

Initial Operating Permit Approval Date: June 13, 2001
Operating Permit Approval Date: PROPOSED
Operating Permit Expiration Date: June 12, 2021 (operating under application shield)

AUTHORITY AND APPLICABILITY

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

PERMIT SHIELD

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

COMPLIANCE SCHEDULES

This operating permit does not include compliance schedules as part of the approved compliance plan.

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: <https://dep.nj.gov/boss>. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interest (PI) Number as instructed on the screen. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at <https://dep.nj.gov/boss>.

HELPLINE

The Operating Permit Helpline is available for any questions at (609) 633-8248 from 9:00 AM to 4:00 PM Monday to Friday.

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application pursuant to N.J.A.C. 7:27-22.30. Only applications which are timely and administratively complete are eligible for an application shield. The details on the contents of the renewal application, submittal schedule, and application shield are available in Section B - General Provisions and Authorities of this permit.

COMPLIANCE ASSURANCE MONITORING

Facilities that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. The rule and guidance on how to prepare a CAM Plan can be found at EPA's website: <https://www.epa.gov/air-emissions-monitoring-knowledge-base/compliance-assurance-monitoring>. In addition, CAM Plans must be included as part of the permit renewal application. Facilities that do not submit a CAM Plan may have their permit applications denied, pursuant to N.J.A.C. 7:27-22.3.

ADMINISTRATIVE HEARING REQUEST

If, in your judgment, the Department is imposing any unreasonable condition of approval, you may contest the Department's decision and request an adjudicatory hearing pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information specified in N.J.A.C. 7:27-1.32 and the information on the [NJ04 - Administrative Hearing Request Checklist and Tracking Form](https://dep.nj.gov/wp-content/uploads/boss/applications-and-forms/administrative-hearing-request-checklist-and-tracking-form.pdf) available at <https://dep.nj.gov/wp-content/uploads/boss/applications-and-forms/administrative-hearing-request-checklist-and-tracking-form.pdf>.

If you have any questions regarding this permit approval, please call Joseph Cusick at (609) 940-5659.

Approved by:

Kevin Greener

Enclosure

CC: Suilin Chan, United States Environmental Protection Agency, Region 2

Facility Name: NOVELIS ALR ROLLED PRODUCTS, INC.
Program Interest Number: 55796
Permit Activity Number: BOP200002

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Section A

Facility Name: NOVELIS ALR ROLLED PRODUCTS, INC.

Program Interest Number: 55796

Permit Activity Number: BOP200002

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all Significant Source Operations¹ at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs* (total)	CO ₂ e ²
Emission Units Summary	N/A	12.2	10.24	N/A	N/A	N/A	N/A	N/A	N/A	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	N/A	12.2	10.24	N/A	N/A	N/A	N/A	N/A	N/A	14,655

Table 2: Estimate of total emissions from all Insignificant Source Operations¹ and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs (total)
Insignificant Source Operations	1.07	1.25	1.02	0.007	0.09	0.09	0.09	N/A	1.00
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	0.5	0.5	0.5	N/A	N/A

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

TSP: Total Suspended Particulates

Other: Any other air contaminant regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

*Emissions of individual HAPs are provided in Table 3 on the next page.

Emissions of "Other" air contaminants are provided in Table 4 on the next page.

¹ Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.

² Total CO₂e emissions for the facility.

Section A

Facility Name: NOVELIS ALR ROLLED PRODUCTS, INC.

Program Interest Number: 55796

Permit Activity Number: BOP200002

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations ³:

HAP	TPY
N/A	

Table 4: Summary of “Other” air contaminants emissions from Significant Source Operations:

Other Air Contaminant	TPY
N/A	

³ Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.

Section B

Facility Name: NOVELIS ALR ROLLED PRODUCTS, INC.

Program Interest Number: 55796

Permit Activity Number: BOP200002

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]
2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:
 - a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:
 - i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
 - ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or
 - b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or
 - c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare, or the environment and which will not likely result in citizen complaints, and the permittee intends to assert an affirmative defense, consistent with General Provision #10 below, the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence.
3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]
5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10. The permittee may not assert an affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit that is based on any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT. An affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit may be asserted by a permittee if:
 - a. The provision or condition of the operating permit is based solely on State or local law; and
 - b. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5.
11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]
12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]
13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.
16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
 - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.

- b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
 - c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.
 - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.
 - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.
 - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.
 - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
 - h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
19. The permittee is responsible for submitting timely and administratively complete operating permit applications:
- Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
 - Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
 - Minor Modifications [N.J.A.C. 7:27-22.23(e)];
 - Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
 - Renewals [N.J.A.C. 7:27-22.30(b)].
20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website <https://dep.nj.gov/boss/applications-and-forms/> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: <https://njdeponline.com/>. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.
21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack

Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

- a. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and
 - b. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.
22. Consistent with EPA's National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance.
 23. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]
 24. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department's Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]
 25. Any emission limit values in an operating permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of "1 lb/hr" means a limit of "1.00 lb/hr") except for concentration limits less than 10 parts per million (ppm). For such concentration limits, the emission limit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to two significant figures (e.g. a printed limit of "1 ppm" means a limit of "1.0 ppm").
 26. Testing every five years shall be defined as no later than the end of the 60th month after the first required and each subsequent stack test was completed for the new or modified source.

Section C

Facility Name: NOVELIS ALR ROLLED PRODUCTS, INC.

Program Interest Number: 55796

Permit Activity Number: BOP200002

STATE-ONLY APPLICABLE REQUIREMENTS

N.J.A.C. 7:27-22.16(b)5 requires the Department to specifically designate as not being federally enforceable any permit conditions based only on applicable State requirements. The applicable State requirements to which this provision applies are listed in the table titled “State-Only Applicable Requirements.”

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
B	---	1	---
B	---	10b	---
D	FC	---	3
D	FC	---	9

Section D

Facility Name: NOVELIS ALR ROLLED PRODUCTS, INC.

Program Interest Number: 55796

Permit Activity Number: BOP200002

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

Subject Item and Name

Page Number

Facility (FC):

FC

1

Insignificant Sources (IS):

IS NJID	IS Description	
IS1	Space Heater, < 1 MMBTU/hr, firing Natural Gas	7
IS61	Fire Pump Diesel Engine (99 BHP, 74 kW), subject to NSPS Subpart IIII	8

Emission Units (U):

U NJID	U Designation	U Description	
U1	Boiler	Pump House Boiler, < 5 MMBTU/hr, firing Natural Gas	14
U2	Space heater	9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas	16
U4	Makeup Htr	3 Makeup Air Heaters, firing Natural Gas	20

NOVELIS ALR ROLLED PRODUCTS, INC. (55796)
BOP200002

Date: 7/10/2025

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 240001

Description The following change was made to the operating permit during the renewal process:
of Modifications: - Added PM2.5 emissions to Table 2.

BOP200002

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27- 2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27- 2]
3	Prohibition of Air Pollution: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.
6	Emission Statements: The permittee shall comply with all the applicable provisions of N.J.A.C. 7:27-21. [N.J.A.C. 7:27-21]	None.	None.	None.

BOP200002

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Compliance Certification: The permittee shall submit an annual Compliance Certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f). [N.J.A.C. 7:27-22]	None.	None.	<p>Submit an Annual Compliance Certification: Annually to the Department and to EPA within 60 days after the end of each calendar year during which this permit was in effect. The Compliance Certification shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The certification should be printed for submission to EPA.</p> <p>The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/. The Compliance Certification forms and instructions for submitting to EPA are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]</p>
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26: 2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26: 2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26: 2C-19(e)].	<p>Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]</p>
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.

BOP200002

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
12	Protection of Stratospheric Ozone: 1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4). The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Deviation Reports: The permittee shall submit to the Department a certified six-month Deviation Report relating to testing and monitoring required by the operating permit. [N.J.A.C. 7:27-22.19(d)3], [N.J.A.C. 7:27-22.19(e)], and [N.J.A.C. 7:27-22.19(c)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C. 7:27-22.19(a)] and [N.J.A.C. 7:27-22.19(e)].	Submit a report: As per the approved schedule. The six-month deviation reports for the period from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and for the period from July 1 through December 31, shall be submitted by January 30 of the following calendar year. The annual compliance certification required by N.J.A.C. 7:27-22.19(f) may also be considered as your six-month Deviation Report for the period from July 1 – December 31, if submitted by January 30 of the following calendar year. The reports shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/ . The Compliance Certification forms are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The Department and its authorized representatives shall have the right to enter and inspect any activity subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]	None.	None.	None.
17	The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]	None.	None.	None.
18	Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-22.18(j)]	None.	None.	Comply with the requirement: Upon occurrence of event. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. [N.J.A.C. 7:27-22.18(j)]
19	Each process monitor must be operated at all times when the associated process equipment is operating except during service outage time not to exceed 24 hours per calendar quarter. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep a service log to document any outage. [N.J.A.C. 7:27-22.16(o)]	None.
20	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)(3)). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	If an operating permit has expired, the conditions of the operating permit, including the requirements for stack testing, remain enforceable until the operating permit is reissued. [N.J.A.C. 7:27-22.30(j)] and [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS1 Space Heater, < 1 MMBTU/hr, firing Natural Gas, IS2 Water Heaters, < 1 MMBTU/hr, firing Natural Gas, IS3 Infrared Heaters, < 1 MMBTU/hr, firing Natural Gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. 7:27-3.2(a) & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS61 Fire Pump Diesel Engine (99 BHP, 74 kW), subject to NSPS Subpart IIII

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	<p>Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only:</p> <p>1 .During the performance of normal testing and maintenance procedures, including other fire protection equipment, as recommended in writing by the fire pump or fire protection system manufacturer and/or as required in writing by a Federal or State law or regulation,</p> <p>2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or</p> <p>3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu, or</p> <p>4. To provide power to pump water for fire suppression or protection, or in case of flood, even if there is no power outage and primary source of mechanical energy has not failed. [N.J.A.C. 7:27-22.16(a)] & [N.J.A.C. 7:27-19.1]</p>	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information:</p> <p>1. Once per month, the total operating time from the generator's hour meter.</p> <p>2. For each time the emergency generator is specifically operated for testing or maintenance:</p> <ul style="list-style-type: none"> i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and <p>3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction.</p> <p>The owner or operator of an emergency generator shall maintain the above records for a period no less than five years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-19.11]</p>	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and</p> <p>2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source.</p> <p>[N.J.A.C. 7:27-19.2(d)]</p>	None.	None.	None.
6	<p>The owner or operator of a fire pump engine with a displacement of less than 30 liters per cylinder must comply with the emissions standards in table 4 to NSPS IIII for the same model year and nameplate engine power as follows: NMHC + NOx <= 3.5 g/HP-hr, CO <= 3.7 g/HP-hr, PM <= 0.30 g/HP-hr. [40 CFR 60.4205(c)]</p>	None.	Other: The owner or operator must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits. [40 CFR 60.4206].	None.
8	Beginning October 1, 2007, the CI internal combustion engines subject to NSPS IIII that use diesel fuel must use diesel fuel that contains the following per gallon standards: 500 ppm (0.05 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent. [40 CFR 60.4207(a)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery Invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
9	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII that use diesel fuel must use diesel fuel that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. If not complying with manufacturer's emission-related written instructions or emission-related settings, the owner or operator shall must keep a maintenance plan, records of conducted maintenance, and conduct a performance test(s), as prescribed at 40 CFR 60.4211(g). [40 CFR 60.4211].	None.
11	The owner or operator of a fire pump engine that was manufactured starting with or after the model year that applies to the engine power rating and a rated speed in table 3 to NSPS IIII and must comply with the emission standards in 40 CFR 60.4205(c), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(c), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Emergency stationary internal combustion engines may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone 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 year. [40 CFR 60.4211(f)(2i)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, 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 if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
13	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 Subpart IIII, for compression ignition engines or 40 CFR 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Pump House Boiler, < 5 MMBTU/hr, firing Natural Gas

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	The Pump House Boiler (E402) is not subject to the provisions of N.J.A.C. 7:27-19 because it has a maximum gross heat input rate of less than five million BTU per hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.72 tons/yr. Annual emission limit based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.6 tons/yr. Annual emission limit based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Pump House Boiler, < 5 MMBTU/hr, firing Natural Gas

Operating Scenario: OS4 1.674 MMBTU/hr Pump House Boiler

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum Gross Heat Input <= 1.674 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
2	Natural Gas Usage <= 14.66 MMft ³ /yr based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NO _x (Total) <= 0.164 lb/hr. Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (100 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.138 lb/hr. Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (84 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Particulate Emissions <= 1 lb/hr (PT4). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U2 9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Natural Gas Usage <= 154 MMft ³ /yr based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NO _x (Total) <= 7.7 tons/yr. Annual emission limit based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 6.61 tons/yr. Annual emission limit based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U2 9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas

Operating Scenario: OS13 Motor Room Heater No. 1 (2.1 MMBTU/hr), OS14 Motor Room Heater No. 2 (2.1 MMBTU/hr)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 2.42 lb/hr (PT27). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Maximum Gross Heat Input <= 2.1 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
4	Natural Gas Usage <= 18.4 MMft ³ /yr (each) based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NO _x (Total) <= 0.21 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (100 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.18 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (84 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (each) (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U2 9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas

Operating Scenario: OS15 Space Heater 1 (2.2 MMBTU/hr), OS16 Space Heater 2 (2.2 MMBTU/hr), OS17 Space Heater 3 (2.2 MMBTU/hr), OS18 Space Heater 4 (2.2 MMBTU/hr), OS19 Space Heater 5 (2.2 MMBTU/hr)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Space Heaters 1-5 (E6401-6405) are not subject to the provisions of N.J.A.C. 7:27-3 and 4 because they are direct heat exchangers. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.2 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Natural Gas Usage <= 19.3 MMft ³ /yr (each) based on 8760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NO _x (Total) <= 0.22 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (100 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.19 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (84 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U2 9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas

Operating Scenario: OS20 Space Heater 6 (1.2 MMBTU/hr), OS21 Space Heater 7 (1.2 MMBTU/hr)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Space Heaters 6 & 7 (E6401 & 6405) are not subject to the provisions of N.J.A.C. 7:27-3 and 4 because they are direct heat exchangers. [N.J.A.C. 7:27-3.7(a)1] & [N.J.A.C. 7:27- 4.6(a)3]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.2 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Natural Gas Usage <= 10.5 MMft ³ /yr (each) based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NO _x (Total) <= 0.12 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (100 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.1 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (84 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U4 3 Makeup Air Heaters, firing Natural Gas

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Makeup Air Heaters 1-3 (E6501-6503) are not subject to the provisions of N.J.A.C. 7:27-3 and 4 because they are direct heat exchangers. [N.J.A.C. 7:27-3.7(a)1] & [N.J.A.C. 7:27- 4.6(a)3]	None.	None.	None.
2	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Natural Gas Usage ≤ 75.1 MMft ³ /yr based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) ≤ 3.76 tons/yr. Annual emission limit based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO ≤ 3.16 tons/yr. Annual emission limit based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U4 3 Makeup Air Heaters, firing Natural Gas

Operating Scenario: OS2 Makeup Air Heater 1 (2.858 MMBTU/hr), OS3 Makeup Air Heater 2 (2.858 MMBTU/hr), OS4 Makeup Air Heater 3 (2.858 MMBTU/hr)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum Gross Heat Input \leq 2.858 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
2	Natural Gas Usage \leq 25 MMft ³ /yr (each). Based on 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NO _x (Total) \leq 0.29 lb/hr (each). Maximum emission rate based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (100 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO \leq 0.24 lb/hr (each). Maximum emission based on maximum fuel firing rate (MMft ³ /hr) and AP-42 emission factor (84 lb/MMft ³). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Facility Name (AIMS): NOVELIS ALR ROLLED PRODUCTS, INC. **Facility ID (AIMS):** 55796

Street 838 N DELSEA DR
Address: CLAYTON, NJ 08312

Mailing 838 N DELSEA DR
Address: CLAYTON, NJ 08312

County: Gloucester
Location Production of aluminum foil container stock
Description:

State Plane Coordinates:	
X-Coordinate:	491,422
Y-Coordinate:	4,390,612
Units:	Meters
Datum:	NAD83
Source Org.:	County
Source Type:	Hard Copy Map

Industry:	
Primary SIC:	3353
Secondary SIC:	
NAICS:	331315

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: Novelis ALR Rolled Products, Inc.

Org. Type: Commercial/Industry

Name: Jeff Drzewiecki

NJ EIN: 00203849590

Title: Environmental Remediation Manager

Phone: (216) 816-8398 x

Mailing Address: 3550 Peachtree Road, Suite 1100

Fax: () - x

Atlanta, GA 30326

Other: () - x

Type:

Email: jeff.drzewiecki@novelis.adityabrla

Contact Type: Consultant

Organization: Trinity Consultants

Org. Type: Corporation

Name: Joseph J. Kwiatkowski

NJ EIN:

Title: Managing Consultant

Phone: (609) 318-5500 x

Mailing Address: 15 Roszel Road

Fax: () - x

Suite 105

Other: () - x

Princeton, NJ 08540

Type:

Email: jkwiatkowski@trinityconsultants.com

Contact Type: Fees/Billing Contact

Organization: Novelis Corporation

Org. Type: Commercial/Industry

Name: Michael Clements

NJ EIN: 00203849590

Title: Legal Counsel

Phone: (770) 238-3255 x

Mailing Address: One Phipps Plaza

Fax: () - x

3550 Peachtree Road, Suite 1100

Other: () - x

Atlanta, GA 30326

Type:

Email: michael.clements@novelis.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Operator

Organization: Novelis ALR Rolled Products, Inc.

Org. Type: Commercial/Industry

Name:

NJ EIN: 00203849590

Title:

Phone: () - x

Mailing 838 N Delsea Drive

Fax: () - x

Address: Clayton, NJ 08312

Other: () - x

Type:

Email:

Contact Type: Owner (Current Primary)

Organization: Novelis ALR Rolled Products, Inc.

Org. Type: Commercial/Industry

Name:

NJ EIN: 00203849590

Title:

Phone: () - x

Mailing 838 N Delsea Drive

Fax: () - x

Address: Clayton, NJ 08312

Other: () - x

Type:

Email:

Contact Type: Responsible Official

Organization: Novelis ALR Rolled Products, Inc.

Org. Type: Commercial/Industry

Name: Jeff Drzewiecki

NJ EIN: 00203849590

Title: Environmental Remediation Manager

Phone: (216) 816-8398 x

Mailing One Phipps Plaza

Fax: () - x

Address: 3550 Peachtree Road, Suite 1100

Other: () - x

Atlanta, GA 30326

Type:

Email: jeff.drzewiecki@novelis.adityabirla.com

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Roadway emissions	Facility-wide	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.00000000	0.000
Total			0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.00000000	0.000

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Space Heater, < 1 MMBTU/hr, firing Natural Gas	Fuel Combustion Equipment (Other)	Facility-wide	0.007	0.131	0.110	0.001	0.010	0.010	0.000	0.00000000	0.000
IS2	Water Heaters, < 1 MMBTU/hr, firing Natural Gas	Fuel Combustion Equipment (Other)	Facility-wide	0.013	0.235	0.197	0.001	0.018	0.018	0.000	0.00000000	0.000
IS3	Infrared Heaters, < 1 MMBTU/hr, firing Natural Gas	Fuel Combustion Equipment (Other)	Facility-wide	0.046	0.832	0.699	0.005	0.063	0.063	0.000	0.00000000	0.000
IS11	Laboratory Hoods	Other Equipment	Facility-wide	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.00000000	0.000
IS61	Fire Pump Diesel Engine (99 BHP, 74 kW), subject to NSPS Subpart IIII	Fuel Combustion Equipment (Other)	Pump House	0.006	0.080	0.017						
Total				1.072	1.278	1.023	0.007	0.091	0.091	0.000	1.00000000	0.000

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E402	Boiler 4	Pump House Boiler	Boiler		8/1/2011	No		
E2701	MR Heater 1	Motor Room Space Heater 1	Fuel Combustion Equipment (Other)		1/1/1970	Yes		
E2702	MR Heater 2	Motor Room Space Heater 2	Fuel Combustion Equipment (Other)		1/1/1970	Yes		
E6401	Heater 1	Industrial Space Heater 1	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6402	Heater 2	Industrial Space Heater 2	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6403	Heater 3	Industrial Space Heater 3	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6404	Heater 4	Industrial Space Heater 4	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6405	Heater 5	Industrial Space Heater 5	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6406	Heater 6	Industrial Space Heater 6	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6407	Heater 7	Industrial Space Heater 7	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6501	Makeup 1	Makeup Air Heater 1	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6502	Makeup 2	Makeup Air Heater 2	Fuel Combustion Equipment (Other)		9/1/2010	No		
E6503	Makeup 3	Makeup Air Heater 3	Fuel Combustion Equipment (Other)		9/1/2010	No		

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E402 (Boiler)
Print Date: 5/30/2024

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Burnham Commercial"/>
Model:	<input type="text" value="KV909A-KNB"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="1.67"/>
Boiler Type:	<input type="text" value="Package"/>
Utility Type:	<input type="text" value="Non-Utility"/>
Output Type:	<input type="text" value="Water Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

Is the boiler using? (check all that apply):

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

Have you attached a diagram showing the location and/or the configuration of this equipment?

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E2701 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="2.10"/>
Type of Heat Exchange:	<input type="text" value="Indirect"/>
Equipment Type Description:	<input type="text" value="Space heater"/>

Have you attached a diagram showing the location and/or the configuration of this equipment?

<input checked="" type="radio"/>	Yes
<input type="radio"/>	No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

<input type="radio"/>	Yes
<input checked="" type="radio"/>	No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E2702 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="2.10"/>
Type of Heat Exchange:	<input type="text" value="Indirect"/>
Equipment Type Description:	<input type="text" value="Space heater"/>

Have you attached a diagram showing the location and/or the configuration of this equipment?

<input checked="" type="radio"/>	Yes
<input type="radio"/>	No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

<input type="radio"/>	Yes
<input checked="" type="radio"/>	No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6401 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S2200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6402 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S2200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6403 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S2200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6404 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S2200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6405 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S2200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6406 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S1200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6407 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Blow-thru Space Heater
Manufacturer:	Cambridge Engineering
Model:	S1200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1,200.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial space heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6501 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Makeup Air Heater
Manufacturer:	Cambridge Engineering
Model:	M136
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,858.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial makeup air heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6502 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Makeup Air Heater
Manufacturer:	Cambridge Engineering
Model:	M136
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,858.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial makeup air heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

55796 NOVELIS ALR ROLLED PRODUCTS, INC. BOP240001 E6503 (Fuel Combustion Equipment (Other))
Print Date: 5/30/2024

Make:	Makeup Air Heater
Manufacturer:	Cambridge Engineering
Model:	M136
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2,858.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Direct-fired industrial makeup air heater

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☒ Yes
☐ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

NOVELIS ALR ROLLED PRODUCTS, INC. (55796)
BOP200002

Date: 7/10/2025

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT4	PT4	Pump House Boiler Exhaust	Round	10	17	145	300.0	70.0	500.0	450.0	0.0	550.0	Horizontal	
PT27	Motor Room	Motor Room Space Heaters	Round	42	40	400	70.0	50.0	90.0	42,000.0	35,000.0	45,000.0	Up	

NOVELIS ALR ROLLED PRODUCTS, INC. (55796)
BOP200002

Date: 7/10/2025

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Boiler Pump House Boiler, < 5 MMBTU/hr, firing Natural Gas

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS4	Boiler 4 NG	1.674 MMBTU/hr Pump House Boiler	Normal - Steady State	E402		PT4	1-03-006-03	0.0	8,760.0		0.0	550.0	80.0	500.0

U 2 Space heater 9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS13	MR Heater 1	Motor Room Heater No. 1 (2.1 MMBTU/hr)	Normal - Steady State	E2701		PT27	1-05-001-06	0.0	8,760.0		45,000.0	55,000.0	50.0	100.0
OS14	MR Heater 2	Motor Room Heater No. 2 (2.1 MMBTU/hr)	Normal - Steady State	E2702		PT27	1-05-001-06	0.0	8,760.0		45,000.0	55,000.0	50.0	100.0
OS15	Heater 1	Space Heater 1 (2.2 MMBTU/hr)	Normal - Steady State	E6401			1-05-001-06	0.0	8,760.0		0.0	11,596.0	60.0	250.0
OS16	Heater 2	Space Heater 2 (2.2 MMBTU/hr)	Normal - Steady State	E6402			1-05-001-06	0.0	8,760.0		0.0	11,596.0	60.0	250.0
OS17	Heater 3	Space Heater 3 (2.2 MMBTU/hr)	Normal - Steady State	E6403			1-05-001-06	0.0	8,760.0		0.0	11,596.0	60.0	250.0
OS18	Heater 4	Space Heater 4 (2.2 MMBTU/hr)	Normal - Steady State	E6404			1-05-001-06	0.0	8,760.0		0.0	11,596.0	60.0	250.0
OS19	Heater 5	Space Heater 5 (2.2 MMBTU/hr)	Normal - Steady State	E6405			1-05-001-06	0.0	8,760.0		0.0	11,596.0	60.0	250.0
OS20	Heater 6	Space Heater 6 (1.2 MMBTU/hr)	Normal - Steady State	E6406			1-05-001-06	0.0	8,760.0		0.0	6,072.0	60.0	250.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 2 Space heater 9 Space Heaters, < 5 MMBTU/hr, firing Natural Gas

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS21	Heater 7	Space Heater 7 (1.2 MMBTU/hr)	Normal - Steady State	E6407			1-05-001-06	0.0	8,760.0		0.0	6,072.0	60.0	250.0

U 4 Makeup Htr 3 Makeup Air Heaters, firing Natural Gas

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS2	Makeup 1	Makeup Air Heater 1 (2.858 MMBTU/hr)	Normal - Steady State	E6501			1-05-001-06	0.0	8,760.0		0.0	48,000.0	40.0	250.0
OS3	Makeup 2	Makeup Air Heater 2 (2.858 MMBTU/hr)	Normal - Steady State	E6502			1-05-001-06	0.0	8,760.0		0.0	48,000.0	40.0	250.0
OS4	Makeup 3	Makeup Air Heater 3 (2.858 MMBTU/hr)	Normal - Steady State	E6503			1-05-001-06	0.0	8,760.0		0.0	48,000.0	40.0	250.0