

State of New Jersey
Department of Environmental Protection
Division of Air Quality

General Operating Permit (GOP-009)
Boiler
Greater than or equal to 10 MMBTU/hr
and less than 50 MMBTU/hr

This general operating permit allows for the construction, installation, modification and operation of:

- A single boiler with a maximum rated heat input to the burning chamber of greater than or equal to 10 million BTU/hr and less than 50 million BTU/hr.

For a modification, the single boiler must be currently permitted in a facility's approved Title V Operating Permit. The modification shall be for the installation of a replacement burner or fuel switch to a cleaner fuel burner combusting natural gas.

This general operating permit is applicable to a boiler combusting only the following commercial fuels:

- Natural gas
- No. 2 fuel oil only during periods of natural gas curtailment, gas supply emergencies or periodic testing. The maximum allowable sulfur content in No. 2 fuel oil shall be less than or equal to 0.0015 percent (15 parts per million) by weight (Note: No. 2 fuel oil can be a blend of up to 5% by volume biodiesel fuel).

This general operating permit may only be used at facilities with an approved Title V Operating Permit. Facilities may obtain more than one GOP-009.

The potential to emit (PTE) for the equipment covered under this general operating permit are based on the maximum rated heat input of the boiler, the maximum annual fuel usage limit of the boiler, State of the Art emission levels and USEPA AP-42 emission factors.

I. **DEFINITIONS**

The terms used in this general operating permit shall have the meanings given to them in N.J.A.C. 7:27, NSPS and MACT, or as defined below:

“Area Source” means any stationary source of hazardous air pollutants that is not a major source as defined in 40 CFR 63.2.

“Biodiesel Fuel” means a commercial fuel that meets American Society for Testing and Materials (ASTM) 6751 Specification.

“Boiler” means fuel burning equipment used to produce hot water or steam.

“Department” means the New Jersey Department of Environmental Protection.

“De-Rated Boiler” means any physical change or de-rate methods for limiting fuel and/or air flow (including, but not limited to, orifice plate restrictions, control valve limiting mechanisms, and reduction of fan impellers) used to lower the manufacturer’s maximum design heat input rating.

“Direct-fired process heater” means any process heater in which the combustion gases mix with and exhaust to the atmosphere from the same stack(s), vent(s), etc. with gases originating with the process or material being processed.

“Emergency” means any situation that arises from sudden and reasonably unforeseeable events beyond the control of an owner or operator of a facility, such as an unforeseen system capacity shortage caused by an act of God, that requires immediate corrective action to prevent system collapse or to restore normal operations at the facility.

“Fuel Totalizer” means a non-resettable fuel meter that totalizes the amount of fuel consumed in a time period. Note: Fuel consumed by other combustion sources operating outside of this general operating permit but share the same fuel totalizer with a source permitted under this general operating permit will be counted as part of the total annual fuel limit selected by permittee under the applicable PTE Option Number.

“Gaseous fuel” means natural gas for this general operating permit.

“Gas-fired boiler” includes any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on liquid fuel. Periodic testing, maintenance, or operator training on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

“Hazardous Air Pollutants” or “HAP” means an air contaminant listed in or pursuant to 42 U.S.C. §7412(b).

“ICI” means Industrial, Commercial, or Institutional boiler.

“Indirect-fired process heater” means any process heater in which the combustion gases are not mixed with and exhaust to the atmosphere from the same stack(s), vent(s), etc. with gases originating with the process or material being processed.

“Industrial/commercial/institutional boiler” or **“ICI boiler”** means an indirect heat exchanger that generates steam to supply heat to an industrial, commercial, or institutional operation. This term does not include boilers that serve electric generating units.

“Limited-use boiler” means any boiler that burns any amount of solid or liquid fuels and has a federally enforceable average annual capacity factor of no more than 10 percent.

“MACT Subpart DDDDD” means National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, at a Major Hazardous Air Pollutant (HAP) facility.

“MACT Subpart JJJJJ” or **“National Emission Standards for Hazardous Air Pollutants”** (also known as **Maximum Achievable Control Technology, MACT**) **Subpart JJJJJ** means the federal National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources (NESHAP), Subpart JJJJJ codified at 40 CFR 63.11193 seq.

“Major Hazardous Air Pollutant (HAP) facility” means a major facility, or part thereof, which emits or has the potential to emit:

1. Ten (10) tons or more per year of any HAP;
2. Twenty five (25) tons or more per year of any combination of HAPs; or
3. Such lesser quantity, or different criterion, as the EPA may establish by rule.

“Maximum gross heat input” or **“Maximum rated heat input”** means the maximum amount of fuel a combustion source is able to combust in a given period as stated by the manufacturer of the combustion source. This term is expressed in BTUs per hour, based on the higher heating value of the fuel.

“MMBTU/hr (HHV)” means a unit of heat input rate shown as millions of British Thermal Units per hour, based on the higher heating value of the fuel.

“Modify” or **“modification”** means any physical change in, or change in the method of operation of, existing equipment or control apparatus that increases the amount of actual emissions of any air contaminant emitted by that equipment or control apparatus or that results in the emission of any air contaminant not previously emitted. This term shall not include normal repair and maintenance.

“NSPS Subpart Dc” means a New Source Performance Standards Subpart applicable to steam generating equipment for which construction, modification, or reconstruction commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 million BTU per hour or less, but greater than or equal to 10 million BTU per hour. {40 CFR 60.40c et seq}

“Oxygen trim system” means a system of monitors that is used to maintain excess air at the desired level in a combustion device. A typical system consists of a flue gas oxygen and/or carbon monoxide monitor that automatically provides a feedback signal to the combustion air controller.

“Period of gas curtailment or supply interruption” means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

“Space heater” means a heating appliance used for warming the air of a designated area.

“USEPA AP-42 Emission Factors” means a compilation of air pollutant emissions factors by source category as the primary compilation of EPA’s emission factors information. <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors>

II. AUTHORITY AND STATEMENT OF BASIS

A. Applicability

1. This general operating permit is issued under the authority granted to Air Quality Permitting pursuant to N.J.S.A. 26:2C-9.2. This general operating permit shall allow for inspections and evaluations to assure compliance with all applicable provisions of N.J.A.C. 7:27, NSPS Subpart A and NSPS Subpart Dc.
2. This general operating permit consists of Sections I through VII and the completed Online Application. Each section of this general operating permit and completed Online Application are enforceable.
3. This general operating permit allows for the construction, installation, modification and operation of:
 - A single boiler with a maximum rated heat input to the burning chamber of greater than or equal to 10 million BTU/hr and less than 50 million BTU/hr.

For a modification, the single boiler must be currently permitted in a facility’s approved Title V Operating Permit. The modification shall be for the installation of a replacement burner or fuel switch to a cleaner fuel burner combusting natural gas.

4. This general operating permit is applicable to a boiler combusting only the following commercial fuels:
 - Natural gas
 - No. 2 fuel oil only during periods of natural gas curtailment, gas supply emergencies or periodic testing. The maximum allowable sulfur content in No. 2 fuel oil shall be less than or equal to 0.0015 percent (15 parts per million) by weight (Note: No. 2 fuel oil can be a blend of up to 5% by volume biodiesel fuel).
5. This general operating permit may only be used at facilities with an approved Title V Operating Permit. Facilities may obtain more than one GOP-009.
6. The potential to emit (PTE) for the equipment covered under this general operating permit are based on the maximum rated heat input of the boiler, the maximum annual fuel usage limit of the boiler, emission levels specified in this general operating permit for VOC, NOx and CO, and USEPA AP-42 emission factors.
7. The Permittee shall comply with the General Procedures for General Operating Permits posted at the Department's website: <http://www.state.nj.us/dep/aqpp>.
8. This general operating permit allows for operation of the boiler during one of the following options:
 - GOP-009-1 – 10 to < 50 MMBtu/hr, Natural Gas only based on an annual fuel limit.
 - GOP-009-2 – 10 to < 50 MMBtu/hr, Natural Gas, with No. 2 fuel oil as emergency backup, based on an annual fuel limit.
9. The conditions of approval for this permit are based on applicability requirements in State and Federal air pollution control rules. Each condition in the permit includes the citation of the applicable requirement on which the condition is based.

B. Monitoring, Recordkeeping and Reporting

1. The general operating permit includes monitoring, recordkeeping and reporting requirements that are sufficient to demonstrate the facility's compliance with the applicable requirements.
2. The owner or operator is required to maintain documentation onsite for the determination of a net emission increase or a significant net emission increase pursuant to N.J.A.C. 7:27-18.7 showing increases for each Boiler GOP that have been permitted in support of the provision in Section IV(6).

3. A fuel totalizer is required for all options to monitor and record the total amount of fuel burned each month during operation, for any 12 consecutive months.
4. The owner or operator shall perform, record and submit a report of the annual combustion process adjustment in the same quarter of each calendar year for all options in accordance with the procedure set forth at N.J.A.C. 7:27-19.16.
5. The owner or operator of a Boiler (Greater than or equal to 10 MMBTU/hr and less than 25 MMBTU/hr) shall keep records of manufacturer documentation showing the VOC, NOx and CO emission levels specified in Section V. Equipment Specifications are met.
6. The owner or operator of a Boiler (Greater than or equal to 25 MMBTU/hr and less than 50 MMBTU/hr) shall conduct an initial stack emission test combusting natural gas for NOx and CO to demonstrate compliance with N.J.A.C. 7:27-19.7(i)1, Table 9 and to demonstrate compliance with the VOC, NOx and CO emission levels specified in Section V. Equipment Specifications.
7. For a Boiler using No. 2 Fuel Oil for emergency only, monitor and record sulfur content in No. 2 fuel oil per delivery showing fuel sulfur content.
8. Initial notification of construction or reconstruction shall be reported per NSPS Subpart Dc.
9. For a Boiler greater than or equal to 30 MMBtu/hr combusting No. 2 Fuel Oil during emergency only, an initial performance test shall be conducted for Opacity using test Method 9 per NSPS Subpart Dc.
10. The Permittee shall submit documentation for the boiler with the online application, as an attachment, showing:
 - a. The maximum rated heat input of the boiler, in millions of BTU per hour (HHV), per manufacturer's specifications, and
 - b. Manufacturer documentation showing that the boiler meets the New Jersey State-of-the-Art (SOTA) NOx, CO and VOC emission levels (lb/MMBTU) specified in Section V. Equipment Specifications.
11. See compliance plan for specific requirements on monitoring, recordkeeping and reporting.

III. EXCLUSIONS

This general operating permit cannot be used to register the following equipment:

1. A boiler whose maximum rated heat input is less than 10 MMBTU/hr;

2. A boiler whose maximum rated heat input is greater than or equal to 50 MMBTU/hr;
3. An emergency generator, fire pump, or any other internal combustion engine;
4. A boiler burning fuel other than natural gas, or No. 2 fuel oil during testing or emergency only;
5. Direct-fired or indirect-fired process heaters;
6. Space heaters;
7. De-rated boilers;
8. A boiler sharing the same emission point(s) and/or control device(s) with other significant source(s) that are not registered under this general operating permit;
9. A boiler subject to MACT Subpart JJJJJ.
10. A boiler located at a Major Hazardous Air Pollutant (HAP) facility subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (MACT Subpart DDDDD);
11. Limited-use boilers;
12. Boilers serving electric generating units.

IV. LIMITATIONS AND REQUIREMENTS

1. Pursuant to N.J.A.C. 7:27-22, any person who wishes to construct, install and operate equipment under the authority of the General Operating Permit may register for the General Operating Permit only if the piece of equipment meets the APPLICABILITY requirements listed in the General Operating Permit.
2. The conditions of a General Operating Permit cannot be changed. If a change to a source operation with a General Operating Permit is needed, then the Permittee must request the change through the Title V Operating Permit modification procedures in N.J.A.C. 7:27-22.
3. A facility with an expired Title V Operating Permit without an Application Shield pursuant to N.J.A.C. 7:27-22.7 may not register for the use of a General Operating Permit.
4. This General Operating Permit may only be used at facilities with an approved Title V Operating Permit and only if the equipment is not currently listed in an approved Title V Operating Permit, or for a modification as specified in this

General Operating Permit. Facilities that will be getting a Title V Operating Permit in the future, or those that are in the process of getting a Title V Operating Permit, may use General Permits from N.J.A.C. 7:27-8 (Subchapter 8) until they obtain an approved Title V Operating Permit.

5. General Operating Permits may not be used where annual emissions of any air contaminant from the facility would increase by such amounts that would make the facility subject to the requirements of N.J.A.C. 7:27-18 (Emission Offset Rule), 40 CFR 51 Appendix S (Emission Offset Interpretative Ruling), 40 CFR 52.21 (PSD) or make the facility a major source for HAPs as defined in 40 CFR 63 (National Emission Standards for Hazardous Air Pollutants for Source Categories).
6. Any facility with an approved Title V Operating Permit that obtains General Operating Permit(s) must determine based on its own evaluation that none of the General Operating Permit(s) it obtained individually or collectively would cause the facility to be subject to N.J.A.C. 7:27-18 (Emission Offset Rule), 40 CFR 51 Appendix S (Emission Offset Interpretative Ruling), 40 CFR 52.21 (PSD) or make the facility a major source for HAPs as defined in 40 CFR 63 (National Emission Standards for Hazardous Air Pollutants for Source Categories). The basis for this determination must be kept on site and submitted with the next Title V Operating Permit modification application that increases actual emissions or Renewal Application, whichever occurs first. If found that the General Operating Permit has caused the facility to be subject to the above regulations, the authorization contained in the General Operating Permit is null and void and installation of equipment under this General Operating Permit will subject the facility to appropriate enforcement action.
7. The general requirements in the facility's Title V Operating Permit, such as those in the General Provisions and Authorities Section and Subject Item FC of the Compliance Plan, also apply to the source operation covered by this General Operating Permit. This includes, but is not limited to, the six month deviation report and annual compliance certification.
8. The expiration date of the General Operating Permit will be the expiration date of the facility's approved Title V Operating Permit. If the Title V Operating Permit has expired and has an application shield pursuant to N.J.A.C. 7:27-22.7, the conditions of the General Operating Permit remain enforceable until the Title V Operating Permit is renewed at which time this General Operating Permit will be incorporated into the renewal permit.
9. The General Operating Permit will be incorporated into the facility's Title V Operating Permit the first time the Title V Operating Permit is opened for a modification that proposes an increase in actual emissions, or at renewal, whichever occurs first. The General Operating Permit will be merged into the Title V Operating Permit at that time.

V. EQUIPMENT SPECIFICATIONS

1. The Permittee shall retain on site the following record for the boiler: The maximum rated heat input to the burning chambers of the boiler, measured in MMBTU/hr (HHV), per written manufacturer’s specifications or the manufacturer’s nameplate on the equipment.
2. The stack height above ground for the boiler shall be 20 feet high or greater.
3. The boiler shall meet the New Jersey State of the Art (SOTA) emission levels listed below:

Fuel Type	Pollutant	Emission Level (lb/MMBTU)
Natural Gas	NOx	0.0350
	CO	0.0500
	VOC	0.00500

VI. POTENTIAL TO EMIT

1. The Permittee shall select the boiler option that is being permitted with this GOP in the Online Application. Only one general operating permit option can be selected.
2. The Permittee will enter the maximum gross heat input rate per the boiler nameplate in MMBTU/hr (HHV) in the online application, and the maximum natural gas annual usage in MMBTU per 12 consecutive months. Based on the maximum gross heat input rate and maximum annual fuel usage, the PTE emission limits in pounds per hour and tons per year will be calculated automatically for each criteria air contaminant, and each hazardous air pollutant, that are equal to or greater than the reporting thresholds in accordance with N.J.A.C. 7:27-22 and N.J.A.C. 7:27-17 using the emission levels specified in Section V. Equipment Specifications and USEPA AP-42 emission factors. The completed online application is enforceable and is made a part of this general operating permit.

VII. COMPLIANCE PLAN

The boiler covered by this general operating permit is subject to the applicable requirements listed on the following pages.

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

Emission Unit: Boiler greater than or equal to 10 MMBtu/hr and less than 50 MMBtu/hr

Operating Scenario: GOP-009-1, Natural Gas only, based on annual natural gas limit

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart Dc [None]	None.	None.	None.
2	The owner or operator shall comply with all conditions contained in the document "General Procedures for General Operating Permits", posted at http://www.nj.gov/dep/aqpp . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <p>STACK TESTING SUMMARY The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for VOC, NOx and CO as specified in the compliance plan. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: The stack test must be conducted within 60 days of the protocol approval or within 180 days after initial startup of the new or modified source, whichever comes later. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].</p>	<p>Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved general operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>
4	<p>No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]</p>	<p>None.</p>	<p>None.</p>	<p>None.</p>
5	<p>Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]</p>	<p>None.</p>	<p>None.</p>	<p>None.</p>

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>VOC (Total) <= 0.005 lb/MMBTU while combusting natural gas. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Monitored by manufacturer documentation showing the VOC lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Keep records of manufacturer documentation showing the VOC lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Recordkeeping by stack test results, once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the VOC lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the VOC lb/MMBtu emission rate; - See the Stack Testing Summary requirements and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	NO _x (Total) ≤ 0.035 lb/MMBTU while combusting natural gas. [N.J.A.C. 7:27-22.16(a)]	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Monitored by manufacturer documentation showing the NO_x lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Keep records of manufacturer documentation showing the NO_x lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Recordkeeping by stack test results, once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the NO_x lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the NO_x lb/MMBtu emission rate; - See the Stack Testing Summary requirements and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	CO <= 0.05 lb/MMBTU while combusting natural gas. [N.J.A.C. 7:27-22.16(a)]	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Monitored by manufacturer documentation showing the CO lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Keep records of manufacturer documentation showing the CO lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Recordkeeping by stack test results, once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the CO lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the CO lb/MMBtu emission rate; - See the Stack Testing Summary requirements and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]
9	<p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <p>NOx (Total) <= 0.05 lb/MMBTU. The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger, with a maximum gross heat input rate of at least 25 million BTU per hour, but less than 50 million BTU per hour, burning natural gas only shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]</p>	<p>Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs and performed in compliance with N.J.A.C. 7:27-19.17. In accordance with N.J.A.C. 7:27-19.15(a)2, any NOx testing conducted pursuant to N.J.A.C. 7:27-19 shall be conducted concurrently with CO testing. The applicable NOx emission limits will not be considered to have been met unless the concurrent CO testing demonstrates compliance with the CO limit in N.J.A.C. 7:27-16.8 or the permit limit for CO, whichever is more stringent, is also met. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-19.15(a)2]</p>	<p>Recordkeeping by stack test results once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]</p>

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	<p>The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year.</p> <p>If the source is not operated during the quarter of the calendar year in which the annual adjustment is to be performed, the owner or operator shall perform the adjustment within seven days after the boiler or other indirect heat exchanger is next operated.</p> <p>The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16 [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]</p>	<p>Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the combustion adjustment monitoring procedures specified in NJDEP Technical Manual 1005 and the procedure at N.J.A.C. 7:27-19.16(a) as follows: 1. Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx and CO in ppmvd and O2 in percent, before and after the adjustment is made; and 6. Convert the measured emission values of NOx, CO and O2 concentrations to lb/MMBTU according to the following formula: $Lb/MMBTU = ppmvd * MW * F \text{ dry factor} * O2 \text{ correction factor} / 387,000,000$, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: $(20.9\%)/(20.9\% - O2 \text{ measured})$, where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]</p>	<p>Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]</p>

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
12	Boiler fuel limited to natural gas only. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Maximum Gross Heat Input: MMBtu/hr (HHV) from general operating permit application. [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.
14	Natural Gas Usage: The permitted maximum Natural Gas usage (MMCF) for any 12 consecutive months from the general operating permit application. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. The owner or operator shall install and operate a fuel totalizer to monitor the total amount of fuel burned for any 12 consecutive months. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Cubic feet for any 12 consecutive months shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
15	The owner or operator shall comply with the hourly and annual emission limits in the General Operating Permit application for each criteria air contaminant, and each hazardous air pollutant, that are equal to or greater than the reporting thresholds in accordance with N.J.A.C. 7:27-22 and N.J.A.C. 7:27-17. The emission limits are based on the information entered by the owner or operator in the application, including maximum rated heat input (MMBtu/hr-HHV) and the annual fuel limit. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep the completed application showing the hourly and annual emission rates, for the duration of the General Operating Permit and make it available to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
16	Stack Height Above Ground >= 20 Feet. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Recordkeeping by maintaining documents of construction showing the stack height above ground.[N.J.A.C. 7:27-22.16(o)].	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the boiler or heater is operated in compliance with all applicable requirements as defined in this permit. [N.J.A.C. 7:27-22]	None.	None.	None.
18	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
19	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
20	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	<p>The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(3)]</p>	None.	None.	<p>Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]</p>
22	<p>The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]</p>	None.	None.	<p>Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]</p>
23	<p>The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]</p>	None.

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. (NSPS Subpart A) [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.
25	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating 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, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
27	The owner or operator shall notify the Administrator of the proposed replacement of components, upon triggering reconstruction as defined at 40 CFR 60.15. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
28	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>The owner or operator of a boiler ≥ 10 MMBTU/hr constructed /reconstructed after June 8, 1989, shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7.</p> <p>This notification shall include information specified in 40 CFR 60.48c(a)1: The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (NSPS Subpart Dc) [40 CFR 60.48c(a)]</p>	None.	Other: Keep copy of the initial notification and make it available to the Department, upon request. [40 CFR 60.48c(a)].	<p>Submit notification: Once initially. The owner or operator shall submit the initial notification to the following agencies: USEPA Region 2 Division of Enforcement and Compliance Assistance - Air Branch 290 Broadway New York, New York 10007-1866 and to the appropriate NJDEP Air Compliance and Enforcement Office at the address available at http://www.nj.gov/dep/enforcement/air.html .[40 CFR 60.48c(a)]</p>
30	<p>The owner or operator of a boiler and/or indirect fired process heater ≥ 10 MMBTU/hr constructed /reconstructed after June 8, 1989, shall record and maintain records of the amounts of each fuel combusted in the unit each calendar month. (NSPS Subpart Dc) [40 CFR 60.48c(g)(2)]</p>	Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(g)(2)]	None.

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Emission Unit: Boiler greater than or equal to 10 MMBtu/hr and less than 50 MMBtu/hr

Operating Scenario: GOP-009-2, Natural Gas with No. 2 Fuel Oil emergency only, based on annual natural gas limit

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart Dc [None]	None.	None.	None.
2	The owner or operator shall comply with all conditions contained in the document "General Procedures for General Operating Permits", posted at http://www.nj.gov/dep/aqpp . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <p>STACK TESTING SUMMARY The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for VOC, NOx and CO as specified in the compliance plan. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: The stack test must be conducted within 60 days of the protocol approval or within 180 days after initial startup of the new or modified source, whichever comes later. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].</p>	<p>Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved general operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]</p>
4	<p>No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]</p>	<p>None.</p>	<p>None.</p>	<p>None.</p>
5	<p>Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]</p>	<p>None.</p>	<p>None.</p>	<p>None.</p>
6	<p>Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]</p>	<p>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)]</p>	<p>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)]</p>	<p>None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	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.
8	VOC (Total) <= 0.005 lb/MMBTU while combusting natural gas. [N.J.A.C. 7:27-22.16(a)]	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Monitored by manufacturer documentation showing the VOC lb/MMBtu emission rate. <p>For a boiler of with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Keep records of manufacturer documentation showing the VOC lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Recordkeeping by stack test results, once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the VOC lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the VOC lb/MMBtu emission rate; - See the Stack Testing Summary requirements and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	<p>NO_x (Total) ≤ 0.035 lb/MMBTU while combusting natural gas. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Monitored by manufacturer documentation showing the NO_x lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Keep records of manufacturer documentation showing the NO_x lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Recordkeeping by stack test results, once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the NO_x lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the NO_x lb/MMBtu emission rate; - See the Stack Testing Summary requirements and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	CO <= 0.05 lb/MMBTU while combusting natural gas. [N.J.A.C. 7:27-22.16(a)]	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Monitored by manufacturer documentation showing the CO lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>Other:</p> <p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Keep records of manufacturer documentation showing the CO lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Recordkeeping by stack test results, once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]. 	<p>For a boiler with a maximum rated heat input of greater than or equal to 10 MMBtu/hr and less than 25 MMBtu/hr:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the CO lb/MMBtu emission rate. <p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <ul style="list-style-type: none"> - Submit supporting manufacturer documentation with the online application as an Attachment showing the CO lb/MMBtu emission rate; - See the Stack Testing Summary requirements and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]
11	<p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <p>NOx (Total) <= 0.05 lb/MMBTU (0.12 lb/MMBTU for a dual fuel burner). The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger, with a maximum gross heat input rate of at least 25 million BTU per hour, but less than 50 million BTU per hour, burning natural gas only shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]</p>	<p>Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs and performed in compliance with N.J.A.C. 7:27-19.17. In accordance with N.J.A.C. 7:27-19.15(a)2, any NOx testing conducted pursuant to N.J.A.C. 7:27-19 shall be conducted concurrently with CO testing. The applicable NOx emission limits will not be considered to have been met unless the concurrent CO testing demonstrates compliance with the CO limit in N.J.A.C. 7:27-16.8 or the permit limit for CO, whichever is more stringent, is also met. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-19.15(a)2]</p>	<p>Recordkeeping by stack test results once initially. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the Stack Testing Summary requirements. [N.J.A.C. 7:27-22.16(o)]</p>

New Jersey Department of Environmental Protection Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	<p>For natural gas combustion only:</p> <p>The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year.</p> <p>If the source is not operated during the quarter of the calendar year in which the annual adjustment is to be performed, the owner or operator shall perform the adjustment within seven days after the boiler or other indirect heat exchanger is next operated.</p> <p>The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]</p>	<p>Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the combustion adjustment monitoring procedures specified in NJDEP Technical Manual 1005 and the procedure at N.J.A.C. 7:27-19.16(a) as follows: 1. Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx and CO in ppmvd and O2 in percent, before and after the adjustment is made; and 6. Convert the measured emission values of NOx, CO and O2 concentrations to lb/MMBTU according to the following formula: $Lb/MMBTU = ppmvd * MW * F \text{ dry factor} * O2 \text{ correction factor} / 387,000,000$, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: $(20.9\%)/(20.9\% - O2 \text{ measured})$, where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]</p>	<p>Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	<p>The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]</p>	<p>Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].</p>	<p>Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].</p>	<p>None.</p>
14	<p>For a boiler with a maximum rated heat input of 25 MMBtu/hr or greater:</p> <p>The permittee shall use No. 2 fuel oil only if:</p> <ol style="list-style-type: none"> 1) The permittee is practicably not able to obtain a sufficient amount of natural gas; 2) The permittee is not able to obtain natural gas due to circumstances beyond the control of the permittee, such as a natural gas curtailment; <p>and</p> <ol style="list-style-type: none"> 3) The combustion source ceases using fuel oil in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available. <p>[N.J.A.C. 7:27-22.16(a)], [N.J.A.C. 7:27-19.25(a)] and [N.J.A.C. 7:27-19.25(c)]</p>	<p>None.</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following:</p> <p>For curtailment periods, 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas.</p> <p>If no fuel oil was combusted during the year, maintain an on-site certification in accordance with N.J.A.C.7:27-1.39 stating that no fuel oil was combusted during this period. N.J.A.C. 7:27-22.16(o), [N.J.A.C. 7:27-19.25(c)] and . [N.J.A.C. 7:27-19.25(d)]</p>	<p>Submit a report: Annually if fuel oil or other liquid fuel was combusted under the N.J.A.C.7:27-19.25 exemption. Submit the report by March 1 of each year for the preceding calendar year to the Regional Enforcement Office. The annual report shall include items 1) through 4) specified under the Recordkeeping Requirements section. The annual report shall also include any violations which occurred during the previous year. If no violations occurred during the year, the owner or operator shall provide certification that no violations occurred and that the records are maintained at the facility. [N.J.A.C. 7:27-19.19(g)(2)] and [N.J.A.C. 7:27-19.25(d)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	<p>Hours of Operation While Firing Fuel Oil <= 48 hours. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237.</p> <p>The owner or operator shall not fire fuel oil for 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 shown at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast. [N.J.A.C. 7:27-22.16(a)]</p>	None.	<p>Hours of Operation While Firing Fuel Oil: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the total number hours fuel oil was combusted for periodic testing in a calendar year. Maintain readily accessible records onsite. [N.J.A.C. 7:27-22.16(o)]</p>	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	<p>This boiler shall only be operated on No. 2 Fuel Oil under these circumstances:</p> <ol style="list-style-type: none"> 1. During the performance of normal testing and maintenance procedures (not exceeding a combined total of 48 hours during any calendar year), as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation; or 2. During a period of time in which the supply of gaseous fuel to the boiler is restricted or halted for reasons beyond the control of the facility, such as a period of gas curtailment or supply interruption; <p>The owner or operator shall stop using fuel oil in place of gas and resume using gas as soon as the circumstances described above cease. [N.J.A.C. 7:27-22.16(a)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information:</p> <ol style="list-style-type: none"> 1. For each time the boiler is operated for an emergency: <ol style="list-style-type: none"> i. Document the emergency that occurred (i.e. gas curtailment); ii. The date(s) of operation and the start up and shut down time; iii. The total number of hours that fuel oil was combusted for the emergency; iv. The name of the operator. 2. For each time the boiler is specifically operated for testing or maintenance: <ol 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 and maintenance; and iv. The name of the operator. <p>The owner or operator shall maintain the above records for a period no less than 5 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. 7:27-22.16(o)]</p>	None.
17	Boiler fuel limited to natural gas or No. 2 fuel oil (emergency use only). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Maximum Gross Heat Input: MMBtu/hr (HHV) from general operating permit application. [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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Natural Gas Usage: The permitted maximum Natural Gas usage (MMCF) for any 12 consecutive months from the general operating permit application. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. The owner or operator shall install and operate a fuel totalizer to monitor the total amount of fuel burned for any 12 consecutive months. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Cubic feet for any 12 consecutive months shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
20	The owner or operator shall comply with the hourly and annual emission limits in the General Operating Permit application for each criteria air contaminant, and each hazardous air pollutant, that are equal to or greater than the reporting thresholds in accordance with N.J.A.C. 7:27-22 and N.J.A.C. 7:27-17. The emission limits are based on the information entered by the owner or operator in the application, including maximum rated heat input (MMBtu/hr-HHV) and the annual fuel limit. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep the completed application showing the hourly and annual emission rates, for the duration of the General Operating Permit and make it available to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
21	Stack Height Above Ground >= 20 Feet. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Recordkeeping by maintaining documents of construction showing the stack height above ground.[N.J.A.C. 7:27-22.16(o)].	None.
22	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the boiler or heater is operated in compliance with all applicable requirements as defined in this permit. [N.J.A.C. 7:27-22]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
24	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
25	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
26	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	<p>The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]</p>	None.	None.	<p>Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]</p>
28	<p>The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]</p>	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. (NSPS Subpart A) [40 CFR 60.7(f)]</p>	None.	<p>Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].</p>	None.
30	<p>For a boiler with a maximum rated heat input of 30 MMBtu/hr or greater, combusting No. 2 Fuel Oil during emergency:</p> <p>The owner or operator shall demonstrate compliance with NSPS opacity standards specified in 40 CFR Part 60. (NSPS Subpart A) [40 CFR 60.11(b)]</p>	<p>Monitored by visual determination once initially, based on 6 minute blocks. Testing shall be conducted using Reference Method 9 in Appendix A of NSPS. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-min averages) for the performance test. [40 CFR 60.11(b)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain records of opacity of emissions based on Method 9 observations. [40 CFR 60.11(e)(2)]</p>	<p>Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of Method 9 observation data to the Administrator. [40 CFR 60.11(e)(2)]</p>
31	<p>For a boiler with a maximum rated heat input of 30 MMBtu/hr or greater, combusting No. 2 Fuel Oil during emergency:</p> <p>The NSPS opacity standard shall apply at all times except during periods of startup, shutdown, malfunctions and as otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.11(c)]</p>	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
32	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating 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, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
33	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
34	The owner or operator shall notify the Administrator of the proposed replacement of components, upon triggering reconstruction as defined at 40 CFR 60.15. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
35	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
36	The owner or operator of a boiler ≥ 10 MMBTU/hr constructed /reconstructed after June 8, 1989, shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7. This notification shall include information specified in 40 CFR 60.48c(a)1: The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (NSPS Subpart Dc) [40 CFR 60.48c(a)]	None.	Other: Keep copy of the initial notification and make it available to the Department, upon request. [40 CFR 60.48c(a)].	Submit notification: Once initially. The owner or operator shall submit the initial notification to the following agencies: USEPA Region 2 Division of Enforcement and Compliance Assistance - Air Branch 290 Broadway New York, New York 10007-1866 and to the appropriate NJDEP Air Compliance and Enforcement Office at the address available at http://www.nj.gov/dep/enforcement/air.html . [40 CFR 60.48c(a)]
37	The owner or operator of a boiler and/or indirect fired process heater ≥ 10 MMBTU/hr constructed /reconstructed after June 8, 1989, shall record and maintain records of the amounts of each fuel combusted in the unit each calendar month. (NSPS Subpart Dc) [40 CFR 60.48c(g)(2)]	Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(g)(2)]	None.
38	Sulfur Content in Fuel: For a boiler with a maximum rated heat input of 10 MMBtu/hr or greater, combusting No. 2 Fuel Oil during emergency: Sulfur Content in Fuel ≤ 0.5 weight % for owner or operator of a boiler constructed after June 8, 1989. (NSPS Subpart Dc) [40 CFR 60.42c(d)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records once per bulk fuel shipment. [40 CFR 60.44c(h)]	Sulfur Content in Fuel: Recordkeeping by fuel supplier certifications pursuant to 40 CFR Part 60.48c(f) once per bulk fuel shipment. Records of the name of the oil supplier, a statement from the oil supplier, and the sulfur content of the oil shall be maintained for a minimum of two years. [40 CFR 60.48c(e)(11)]	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The owner or operator shall submit fuel supplier certifications, and the owner/operator certification that the fuel supplier's certifications submitted represent all of the fuel combusted during the reporting period. [40 CFR 60.48c(e)(11)]

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39	<p>For a boiler with a maximum rated heat input of 30 MMBtu/hr or greater, combusting No. 2 Fuel Oil during emergency:</p> <p>Opacity <= 20% except for one 6-minute period per hour of not more than 27% opacity for owner or operator of a boiler constructed after June 8, 1989. This opacity standard does not apply during periods of startup, shutdown or malfunction. (NSPS Subpart Dc) [40 CFR 60.43c(c)]</p>	<p>Other: An initial performance test shall be conducted as required at 40 CFR 60.11 using test Method 9 specified at 40 CFR 60.45c(a)(8). The subsequent performance tests shall be conducted according to the applicable schedule in 40 CFR 60.47c(a)(1) as follows: per (a)(1)(i), if no visible emissions are observed during the most recent test, a subsequent Method 9 performance test shall be completed within 12 calendar months from the date that the most recent test was conducted or, per (a)(1)(ii through iv), if visible emissions are observed during the most recent test, the frequency of subsequent testing shall be either 6 calendar months, 3 calendar months, or 45 calendar days depending on the results of the most recent test.</p> <p>Per 40 CFR 60.47c(a)2, if the maximum 6-min opacity is less than 10 percent during the most recent Method 9 test, the subsequent performance tests may be conducted, as an alternative to Method 9, by Method 22 on operating days the boiler fires fuel oil for which an opacity standard is applicable.[40 CFR 60.47c(a)].</p>	<p>Other: The permittee shall keep records of the initial and all subsequent performance tests.[40 CFR 60.48c(i)].</p>	<p>Comply with the requirement: Upon occurrence of event The owner or operator shall submit to the Administrator of EPA the data from the initial and all subsequent performance tests. [40 CFR 60.48c(b)]</p>