

State of New Jersey
Department of Environmental Protection
Air Quality Permitting
General Permit (GP-009A)

For

**Boiler(s) and Indirect Fired Process Heater(s) Each Greater Than
or Equal to 10 MMBTU/hr and Less Than 50 MMBTU/hr
Combusting Gaseous Fuel**

This General Permit allows for the construction, installation, reconstruction, modification and operation of:

- ◆ A single boiler and/or indirect fired process heater with a maximum gross heat input rate to the burning chamber of greater than or equal to 10 MMBTU/hr and less than 50 MMBTU/hr, or
- ◆ Multiple boilers and/or indirect fired process heaters, each with a maximum gross heat input rate to the burning chamber of greater than or equal to 10 MMBTU/hr and less than 50 MMBTU/hr.

The potential-to-emit (PTE) for the equipment covered under this General Permit shall be established based on fuel limit, using the General Permit Option Number selected by the Permittee on the Registration Form.

Each facility may possess only one GP-009A at any time. If a facility wants to add a new source, replace, or make changes to an existing source that is already registered under GP-009A, then, a new General Permit registration is required. The new General Permit registration will supersede or replace the existing General Permit.

This General Permit is applicable to boiler(s) and/or indirect fired process heater(s) burning the following commercial fuels:

- Natural Gas;
- Propane and/or
- No. 2 Fuel Oil* only during periods of gas curtailment, gas supply emergencies or periodic testing as listed in the **Facility Specific Requirements Item No. 6**

***Note: No. 2 fuel oil can be a blend of up to 5% by volume biodiesel fuel.**

I. Definitions

The terms used in this General Permit shall have the meanings given to them in N.J.A.C. 7:27, et. seq. or as defined below:

“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.

“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.

“Fuel Totalizer” means a dedicated measuring and/or monitoring device that totalizes, or sums up, the amount of fuel consumed in a time period. Note: Other combustion sources (including insignificant sources) may be included on a fuel totalizer, but will count towards the amount of fuel consumed and/or any fuel limits a facility may have.

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

“Insignificant Source” means any equipment or source operation that does not need a permit and certificate under N.J.A.C. 7:27-8.2.

“Internal combustion engine” means either a reciprocating engine or a combustion turbine in which power, produced by heat and/or pressure from combustion is converted to mechanical work.

“MMBTU/hr” means a unit of heat input rate shown as millions of British Thermal Units per hour.

“Maximum gross heat input rate” 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. **Fuel limiting device for boiler derating such as an orifice plate restriction, control valve limiting mechanism, or any device** can not be used to lower the maximum design heat input rating.

“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}

II. Authority

This GP is issued under the authority N.J.S.A. 26:2C-9.2. This general permit allows for inspections and evaluations to assure conformance with all provisions of N.J.A.C. 7:27 et seq. An opportunity for public comment on this General Permit was provided on January 17, 2012.

III. Applicability

This General Permit allows for the construction, installation, reconstruction, modification and operation of:

- ◆ A single boiler and/or indirect fired process heater with a maximum gross heat input rate to the burning chamber of greater than or equal to 10 MMBTU/hr and less than 50 MMBTU/hr, or
- ◆ Multiple boilers and/or indirect fired process heaters, each with a maximum gross heat input rate to the burning chamber of greater than or equal to 10 MMBTU/hr and less than 50 MMBTU/hr.

The potential-to-emit (PTE) for the equipment covered under this General Permit shall be established based on limitations on the amount of fuel burned , using the General Permit Option Number selected by the Permittee on the Registration Form.

Each facility may possess only one GP-009A at any time. If a facility wants to add a new source, replace or make changes to an existing source that's already registered under GP-009A, then, a new General Permit registration is required. This new General Permit registration will supersede the existing General Permit.

This General Permit is applicable to boiler(s) and/or indirect fired process heater(s) burning the following commercial fuels:

- Natural Gas;
- Propane and/or
- No. 2 Fuel Oil * only during periods of gas curtailment, gas supply emergencies or periodic testing as listed in the **Facility Specific Requirements Item No. 6**
- ***Note: No. 2 fuel oil can be a blend of up to 5% by volume biodiesel fuel.**

IV. Exclusions

This General Permit cannot be used to register the following equipment:

1. A boiler or indirect fired process heater whose maximum gross heat input rate is less than 10 MMBTU/hr;
2. A boiler or indirect fired process heater whose maximum gross heat input rate is 50 MMBTU/hr or greater;
3. Emergency generators, fire pumps or any other internal combustion engine;
4. A boiler or indirect fired process heater burning fuel other than Natural Gas or Propane, except No. 2 Fuel Oil can be burned during periods of gas curtailment, gas supply emergencies or periodic testing;
5. Direct-fired process heaters; and
6. Space heaters.

V. Equipment/Control Specifications

Each boiler or indirect fired process heater registered under this General Permit must meet the emission standards listed below. The emission standards listed below may be achieved with the use of the following technology: Low NO_x Burners (LNBs), Low NO_x Burners with Flue Gas Recirculation (FGR), Ultra Low NO_x (ULNB) and/or Staged Air Circulation. The permittee is responsible for ensuring compliance with these emission limits.

Table 1 Emission Standards

Fuel Type(s)	Pollutant	Emission Levels (Lb/MMBTU)
Natural Gas & Propane	NO_x	0.035
	CO	0.050
	VOC	0.005

Each boiler or indirect fired process heater burning No. 2 fuel oil as an emergency fuel shall meet the following Sulfur content limits as listed below:

Table 2 No. 2 Fuel Oil Sulfur Limits

Effective Date	Sulfur Parts Per Million By Weight (ppm)	Equivalent Sulfur Percentage (%)
From the effective date of this general permit through June 30, 2014	2000	0.2
July 1, 2014 and through June 30, 2016	500	0.05
July 1, 2016	15	0.0015

VI. Potential-To-Emit (PTE) Options

The potential-to-emit (PTE) for the equipment covered under this General Permit shall be established based on the General Permit Option Number selected by the Permittee on the Registration Form. A fuel totalizer(s) is required for each option selected.

The annual PTE is based on the maximum allowable gaseous fuel limit for each 12 consecutive month period, based on a rolling 1-month basis. The maximum annual fuel limit depends on the General Permit number selected by the Permittee, up to 700 million cubic feet of Natural Gas.

ANNUAL FUEL LIMITS						
POTENTIALS TO EMIT (IN TONS PER YEAR) ARE ESTABLISHED BY SELECTING THE <u>TOTAL FUEL LIMIT</u> FOR ALL BOILER(S) AND / OR INDIRECT FIRED PROCESS HEATER(S) COMBINED						
General Permit Number	Natural Gas MMCF/Yr.	TSP (TPY)	SO2 (TPY)	CO (TPY)	VOC (TPY)	NOx (TPY)
BH009- A1	100	0.38	0.03	2.55	0.26	1.78
BH009- A2	200	0.76	0.06	5.10	0.51	3.57
BH009- A3	300	1.14	0.09	7.65	0.76	5.36
BH009- A4	400	1.52	0.12	10.2	1.02	7.14
BH009- A5	500	1.90	0.15	12.8	1.28	8.92
BH009- A6	600	2.28	0.18	15.3	1.53	10.70
BH009- A7	700	2.66	0.21	17.8	1.78	12.50

Listed below are the equivalent Propane limits in million gallons/yr (based on a conversion factor of 11 Gallons of Propane = 1,000 SCF of Natural Gas):

100 MMCF/yr Natural Gas = 1.1 Million Gallons/yr Propane
 200 MMCF/yr Natural Gas = 2.2 Million Gallons/yr Propane
 300 MMCF/yr Natural Gas = 3.3 Million Gallons/yr Propane
 400 MMCF/yr Natural Gas = 4.4 Million Gallons/yr Propane
 500 MMCF/yr Natural Gas = 5.5 Million Gallons/yr Propane
 600 MMCF/yr Natural Gas = 6.6 Million Gallons/yr Propane
 700 MMCF/yr Natural Gas = 7.7 Million Gallons/yr Propane

NOTE: For SO2 and TSP the PTE *annual emissions listed in the above table were calculated using emission factors from AP-42, Fifth Edition, Volume 1, Chapter 1 (Natural Gas Combustion 7/98). NOx, CO and VOC are based on ppm and lb./MMBTU values of 0.035 lb. NOx/MMBTU natural gas, 0.05 lb. CO/MMBTU natural gas and 0.005 lb. VOC/MMBTU natural gas.*

VII. SUBMITTAL / CONTACT INFORMATION

For assistance or contact information please go to one of the following resources:

1. Air Compliance and Enforcement at:
<http://www.nj.gov/dep/enforcement/air.html>
2. Small Business Assistance Program at <http://www.nj.gov/dep/egge/sbap/>
3. Bureau of Preconstruction Permits at: <http://www.state.nj.us/dep/aqpp/>
4. Annual Combustion Adjustment Submittal at:
<http://www.state.nj.us/dep/aqpp/adjustment.htm>
5. Bureau of Technical Services: <http://www.state.nj.us/dep/bts/>
6. USEPA Region 2 (concerning notification under the Facility Specific Requirements Item No. 15)
Director, Division of Enforcement & Compliance Assistance
290 Broadway
New York, New York 10007-1866

VIII. Compliance Plan

The equipment covered by this General Permit is subject to the applicable requirements listed on the following pages.

FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
1.	<p>In addition to this Compliance Plan, all conditions contained in the document “General Procedures for General Permits” posted at the web page at address: http://www.nj.gov/dep/agpp/genproc.htm [N.J.A.C 7:27-8.13(h)]</p>	None	None	None
2.	<p>The Permittee shall ensure combustion equipment included in this General Permit is easily identifiable by clear and conspicuous labeling, including manufacturer name, model number, serial number, and maximum gross heat input rate to the burning chamber. [N.J.A.C. 7:27-8.13(a)]</p>	None	None	None
3.	<p>This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C 7:27-5]</p>	None	None	<p>Any operation of the equipment which may cause 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 be reported by the Permittee as required by the Air Pollution Control Act. The Permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at (877) 927-6337 [N.J.S.A 26:2C-19(e)]</p>
4.	<p>Each facility may possess only one GP-009A at any time. [N.J.A.C. 7:27-8.13(a)]</p>	None	None	None

FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
5.	<p>An Annual Combustion Adjustment on each boiler and indirect-fired heater included in this General Permit shall be conducted once annually while combusting natural gas only.</p> <p>Adjustments shall be conducted in the same calendar quarter of each year, and shall include the following:</p> <ul style="list-style-type: none"> - Inspect the burner, and clean or replace any components of the burner as necessary; - Inspect the flame pattern, and make any adjustments to the burner necessary to optimize the flame pattern consistent with manufacturer's specifications; - Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; <p>and</p> <ul style="list-style-type: none"> - Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications. <p>{N.J.A.C. 7:27-19}</p>	<p>Monitored by periodic emission monitoring once annually. During the Annual Combustion Adjustment:</p> <ul style="list-style-type: none"> - Measure the concentrations in the effluent stream of NOx (ppm), CO (ppm) and O2 (%) BEFORE adjustments are made; - Measure the concentrations in the effluent stream of NOx (ppm), CO (ppm) and O2 (%) AFTER any adjustments are made; and - Convert the measured ppm emission values of NOx and CO into lb/MMBTU according to the following formula: $\text{lb/MMBTU} = (\text{ppmvd} * \text{MW} * \text{F dry factor} * \text{O}_2 \text{ correction factor}) / 387,000,000$ <p>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/lbmole; CO= 28 lb/lbmole F Dry factor = 8,710 dscf/MMBTU O2 correction factor is (20.9%)/(20.9% -O2 measured) O2 measured is percent oxygen on a dry basis.</p> <p>In accordance with NJDEP Technical Manual 1005, the analyzer used to measure concentrations of Nitrogen Oxides (NOx), Carbon Monoxide (CO) and Oxygen (O2) shall be capable of meeting the requirements of EPA Conditional Test Method 034 (CTM-034) which may be found on EPA's website at http://www.epa.gov/ttn/emc/ctm.html. The analyzer must be operated, calibrated and maintained in accordance with the manufacturer's specifications.</p> <p>{N.J.A.C 7:27-19.16(a)}</p>	<p>Recordkeeping of each Annual Combustion Adjustment in a manual logbook or computer data system for a minimum of five years, including the following information:</p> <ul style="list-style-type: none"> - The dates and times at which each Adjustment began and ended; - The name, title and affiliation of the person who made the adjustment; - The NOx and CO concentrations in the effluent stream in ppmvd, before and after the adjustment of the combustion process; - The concentration of O2 at which CO and NOx concentrations were measured - A description of any corrective action taken; - Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MMBTU); - The type and amount of fuel used over the 12 months prior to the annual adjustment. <p>Records shall be made readily accessible to the Department upon request.</p> <p>{N.J.A.C 7:27-19.16(b)}</p>	<p>Submit a report: within 45 days after the Annual Combustion Adjustment is completed. Reports shall be submitted once-annually in an electronic format to www.njdeponline.com</p> <p>Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm</p> <p>{N.J.A.C.7:27-19.16(c)}</p>

FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
6.	<p>The Permittee may use No. 2 fuel oil for emergency use only under the following conditions:</p> <p>1) the Permittee is not practicably able to obtain a sufficient supply of natural gas;</p> <p>2) the Permittee's inability to obtain natural gas is due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; and</p> <p>3) during testing and maintenance that shall not exceed 48 hours per calendar year, and</p> <p>4) the owner or operator shall not be firing fuel oil for normal testing and maintenance on the 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; and</p> <p>5) the use of fuel oil does not exceed 500 hours during any consecutive 12-month period.</p> <p>[N.J.A.C 7:27-19.25]</p>	<p>Monitor hours of operation when fuel oil is combusted and identify if it is an emergency or if it is testing and/or maintenance. [N.J.A.C 7:27-19.25]</p>	<p>The owner or operator of a combustion source that is temporarily combusting fuel oil in place of natural gas pursuant to N.J.A.C. 7:27-19.25 shall keep on site a record of the number of hours such fuel has been combusted. This record shall be kept in a permanently bound logbook or by an electronic method that is easily accessible on site and at the time of inspection, in a format that enables the Department to readily determine whether the combustion source is in compliance. [N.J.A.C. 7:27-19.19(e) & (f)]</p> <p>The owner or operator shall also keep records of curtailment periods. Such records shall include 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 or 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. [N.J.A.C 7:27-19.25]</p>	<p>The owner or operator shall submit annual reports incorporating the records required by N.J.A.C. 7:27-19.19(e) and 19.25(d) to the Regional Enforcement Office on or before March 1 of each year for the preceding calendar year. [N.J.A.C 7:27-19.25]</p>

FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
7.	<p>The maximum allowable sulfur content in No. 2 fuel oil through June 30, 2014, shall be \leq 2,000 ppmw (parts per million by weight) (0.2%).</p> <p>Effective July 1, 2014 and Through June 30, 2016, The maximum allowable sulfur content in No. 2 fuel oil shall be \leq500 ppmw (parts per million by weight) (0.05%).</p> <p>Starting July 1, 2016, The maximum allowable sulfur content in No. 2 fuel oil shall be \leq15 ppmw (parts per million by weight) (0.0015%)</p> <p>[N.J.A.C 7:27-9.2(a)]</p>	<p>For each fuel oil delivery received, the Permittee shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content is not being exceeded. Such written documentation can include but is not limited to: Bill of Lading, Delivery Invoice, Certificate of Analysis, etc.</p> <p>[N.J.A.C 7:27-8]</p>	<p>Recordkeeping once initially, and upon change of material or fuel supplier. The Permittee shall keep records of fuel oil sulfur content. All records shall be maintained on site for a minimum of 5 years and shall be made readily available upon the Department's request.</p> <p>[N.J.A.C.7:27-8.13(d)3]</p>	None
8.	<p>Permittee shall comply with a self-imposed fuel limit selected at the time of Registration. Compliance with the annual emission limit for each air contaminant shall be based on the annual fuel consumption.</p> <p>[N.J.A.C 7:27-8.13]</p>	<p>Permittee shall install and operate fuel totalizer(s) to monitor the total amount of fuel burned each 12 consecutive month period, based on a rolling 1-month basis.</p> <p>[N.J.A.C 7:27-8.13(d)]</p>	<p>Each month during operation the Permittee shall record:</p> <ol style="list-style-type: none"> 1. Fuel type. 2. Current reading from the fuel totalizer(s). 3. Monthly fuel usage. 4. Sum and record the current monthly fuel usage with the previous eleven (11) month fuel usage totals to determine the consecutive twelve (12) month total. <p>Records shall be made readily accessible for the Department's inspection in either a logbook or computer data system for a minimum</p>	None

FACILITY SPECIFIC REQUIREMENTS

			of 5 years. [N.J.A.C 7:27-8.13]	
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FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
9.	<p>The permittee shall conduct an initial stack test for each boiler and indirect fired process heater equal to or greater than 25 MM BTU/hr and combusting natural gas and/or propane to demonstrate compliance with the CO and NOx emission levels.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition.</p> <p>If a boiler has already conducted the initial stack test pursuant to N.J.A.C. 7:27-19.7 within the past five years and the test results meet the emission limits listed in this GP and no modification(s) to the boiler since the test, the boiler may be exempt from stack testing.</p> <p>[N.J.A.C. 7:27-19].</p>	<p>Stack emission testing once initially, based on the average of three Department validated stack test runs.</p> <p>[N.J.A.C. 7:27-19].</p>	<p>The initial stack test results shall be kept on site for five years and made available to the Department upon request.</p> <p>[N.J.A.C. 7:27-19].</p>	<p>The permittee shall submit an initial stack test protocol to the Bureau of Technical Services (BTS) at PO Box 437, Trenton, NJ 08625 within 60 days of the date registering for this permit.</p> <p>Within 30 days of initial stack test protocol approval, the permittee must contact BTS at 609 530 4041 to schedule a mutually acceptable test date.</p> <p>The initial stack test must be conducted within 180 days from the date of the stack testing protocol approval.</p> <p>The complete initial stack test report must be submitted to the BTS within 45 days after completing the stack test.</p> <p>A summary of the initial stack test results must also be submitted to the appropriate Regional Enforcement Office at the address available at http://www.nj.gov/dep/enforcement/air.html.</p> <p>The initial stack test results must be certified by a licensed professional engineer or certified industrial hygienist.</p> <p>[N.J.A.C. 7:27-19].</p>

FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
10.	<p>NO_x ≤ 0.035 lb/MMBTU while combusting natural gas or propane</p> <p>[N.J.A.C. 7:27-8.13(h)].</p>	<p>For boilers and indirect fired process heaters Greater than or equal to 10 MMBTU/hr less than 25 MMBTU/hr Manufacturer certification or any other documentation.</p> <p>For boilers and indirect fired process heaters equal to or greater than 25 MMBTU/hr Stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-8.13(d)].</p>	<p>For boilers and indirect fired process heaters Greater than or equal to 10 MMBTU/hr less than 25 MMBTU/hr Keep records of Manufacturer certification or any other documentation available upon request to the Department</p> <p>For boilers and indirect fired process heaters equal to or greater than 25 MMBTU/hr See Reference #9 Recordkeeping Requirement. [N.J.A.C. 7:27-8.13].</p>	<p>For boilers and indirect fired process heaters Greater than or equal to 10 MMBTU/hr less than 25 MMBTU/hr</p> <p>NONE</p> <p>For boilers and indirect fired process heaters equal to or greater than 25 MMBTU/hr See Reference #9 Submittal/ Action Requirement. [N.J.A.C. 7:27-8.13].</p>
11.	<p>CO ≤ 0.050 lb/MMBTU while combusting natural gas or propane. [N.J.A.C. 7:27-8.13(h)].</p>	<p>For boilers and indirect fired process heaters Greater than or equal to 10 MMBTU/hr less than 25 MMBTU/hr Manufacturer certification or any other documentation</p> <p>For boilers and indirect fired process heaters equal to or greater than 25 MMBTU/hr Stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-8.13(d)].</p>	<p>For boilers and indirect fired process heaters Greater than or equal to 10 MMBTU/hr less than 25 MMBTU/hr Keep records of Manufacturer certification or any other documentation available upon request to the Department.</p> <p>For boilers and indirect fired process heaters equal to or greater than 25 MMBTU/hr See Reference #9 Recordkeeping Requirement. [N.J.A.C. 7:27-8.13].</p>	<p>For boilers and indirect fired process heaters Greater than or equal to 10 MMBTU/hr less than 25 MMBTU/hr</p> <p>NONE</p> <p>For boilers and indirect fired process heaters equal to or greater than 25 MMBTU/hr See Reference #9 Submittal/ Action Requirement. [N.J.A.C. 7:27-8.13].</p>
12.	<p>VOC ≤ 0.005 lb/MMBTU while combusting natural gas or propane</p> <p>[N.J.A.C. 7:27-8.13(h)].</p>	<p>Manufacturer certification or any other documentation. [N.J.A.C. 7:27-8.13(d)].</p>	<p>Keep records of Manufacturer certification or any other documentation available upon request to the Department. [N.J.A.C. 7:27-8.13].</p>	<p>None</p>

FACILITY SPECIFIC REQUIREMENTS

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
13.	<p>Maximum No. of Billable Compliance Inspections <= 4 inspections. The equipment covered by this permit will be subject to inspection fees for the maximum periodic compliance inspections (as defined in N.J.A.C. 7:27-8.1) over the life of the Certificate, after it receives final approval for a five year duration. The permittee will be invoiced for a service fee per inspection pursuant to N.J.A.C. 7:27-8.6 after the periodic compliance inspection is conducted.</p> <p>[N.J.A.C. 7:27-8.13(e)].</p>	None	None	None
14.	<p>Permittee shall not use the equipment in a manner, which will cause visible emissions, exclusive of visible condensed water vapor, except for a period no more than 3 minutes in any consecutive 30-minute period.</p> <p>[N.J.A.C 7:27-3.2(a) & (c)]</p>	None	None	<p>If visible emissions are observed, refer to operator manual for corrective action. If measures fail to correct visible emissions within 24 hours of observation, the Permittee shall immediately report the incident to the Department by calling the Environmental Action Hotline at (877) 927-6337.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p>

NSPS Subpart Dc Requirements

Item No	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
15.	<p>The owner or operator of a boiler and/or indirect fired process heater ≥ 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 through (a)4.</p> <p>(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.</p> <p>(2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c, or 40 CFR 60.43c.</p> <p>(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.</p> <p>(4) Notification if an emerging technology will be used for controlling SO₂emissions.</p>	None.	<p>Keep copy of the initial notification and make it available to the Department, upon request.</p> <p>[40 CFR 60.48c(a)]</p>	<p>The owner or operator shall submit the initial notification to the following agencies:</p> <p>USEPA Region 2 Division of Enforcement & Compliance Assistance – Air Branch 290 Broadway New York, New York 10007-1866</p> <p>and</p> <p>to the appropriate NJDEP Air Compliance & Enforcement Office at the address available at http://www.nj.gov/dep/enforcement/air.html</p> <p>[40 CFR 60.48c(a)]</p>

NSPS Subpart Dc Requirements

	[40 CFR 60.48c(a)].			
16.	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. [40 CFR 60.48c(g)2]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(g)(2)]	None
17.	Sulfur Content in Fuel ≤ 0.5 weight % for owner or operator of a boiler and/or indirect fired process heater ≥ 10 MMBTU/hr constructed after June 8, 1989, combusting #2 fuel oil during emergency as per reference item 6 above only. [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 and records 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)].
18.	Opacity $\leq 20\%$ except for one 6-minute period per hour of not more than 27% opacity for owner or operator of a boiler and/or indirect fired process heater ≥ 30 MMBTU/hr constructed after June 8, 1989, during combustion of #2 fuel oil during emergency use only as per reference item 6 above. This opacity standard does not apply during periods of startup, shutdown or malfunction. [40 CFR 60.43c(c)]	An initial performance test shall be conducted as required at 40 CFR 60.8 and 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	The permittee shall keep records of the initial and all subsequent performance tests. [40 CFR 60.48c(i)]	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)]

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		<p>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>		
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