

NSPS Requirements for Boilers

Who Does This Apply To?

Anyone with a boiler with a maximum design heat input rating of 10 to 100 million Btu/hr that was constructed, modified, or reconstructed since June 9, 1989 is subject to federal New Source Performance Standards (NSPS). To help determine if your boiler is subject to NSPS, you can answer the questions in Table 1 on the back of this factsheet. The full text of the NSPS can be found in 40 [Code of Federal Regulations \(CFR\)](#), Part 60, [Subpart Dc \(sections 60.40c to 60.48c\)](#).

What Do I Need to Do?

Federal Requirements: If you own or operate a boiler that is subject to the NSPS, you need to meet a few federal requirements that are briefly described below. Some of the requirements call for submitting information directly to EPA.

Mail all NSPS submittals to:

EPA
Director, Air and Waste Management
Division, EPA Region X
Mailstop OAQ-107, 1200 6th Avenue
Seattle, WA 98101-3123

1. Initial Notification: You must submit information to EPA *for each affected boiler:*

New boilers:

- Within 30 days after commencing construction:
 - the date of original construction or reconstruction;
 - the design heat input rating; and,
 - the types of fuels burned.
- Within 15 days after startup:
 - the date of actual startup.

New “and” existing boilers:

Additional reporting timeframes found in 40 CFR Part 60, subpart A, 60.7(a) apply.

If you operate an “existing” boiler and you have not submitted the required information, an Initial Notification is due immediately. No specific reporting form is required, however an acceptable form has been provided (see back).

2. Daily Fuel Monitoring: In the Medford/Ashland area, you must record the amount of each type of fuel burned in each affected boiler on a daily basis.

3. Reporting: If natural gas is the *only* fuel burned in the affected boiler there is no reporting requirement to EPA. If distillate is burned you must submit a semi-annual report to EPA. The report must contain the following information:

- the calendar dates of the reporting period; and,
- a fuel “supplier” certification demonstrating fuel used does not exceed the sulfur content limitation of 0.5% by weight.

If fuels other than natural gas or distillate are burned, refer to the full text of the NSPS regulations for additional reporting requirements.

State of Oregon Requirements:

Any boiler that is an affected NSPS boiler is also subject to these state requirements:

1. Notice of Intent to Construct (NC)

Like the federal “Initial Notification” process, DEQ needs information about plans to construct, modify or reconstruct boilers. This is called a “Notice of Intent to Construct (NC), and requests information be sent directly to DEQ. The NC must be approved before construction can begin.

2. Air Contaminant Discharge Permit

Before the boiler is built or modified, it is necessary to have it permitted for construction and operation. The permit is called an Air Contaminant Discharge Permit (ACDP) and is required for NSPS affected boilers, regardless of fuel type. There are several types of ACDPs, each with differing fees. The type of permit required is determined by the fuel type and size of the boiler.

All necessary forms and instructions can be found online:

<http://www.deq.state.or.us/air/permit/acdp/acdp.htm>

For more information on affected activities and fees, refer to Oregon Administrative Rules Division 216:

<http://www.deq.state.or.us/regulations/rules.htm>

Remember, you can always contact your regional office for more assistance.



State of Oregon
Department of
Environmental
Quality

Air Quality Division
Business Assistance
Program
811 SW 6th Avenue
Portland, OR 97204
Phone: (503) 229-5376
(800) 452-4011
Contact: Rebecca Hillwig

www.oregon.gov/DEQ/

DEQ Northwest Region
1550 NW Eastman Parkway
Gresham, OR 97030
503-667-8414 x55024

DEQ Western Region
750 Front St. NE, # 120
Salem, OR 97301
503-378-8240 x257 or
Toll free in Oregon
800-349-7677

221 Stewart Ave. Ste. 201
Medford, OR 97501
541-776-6010 or
Toll free in Oregon
877-823-3216

DEQ Eastern Region
475 NE Bellevue, Ste. 110
Bend, OR 97701
541-633-2019

700 SE Emigrant, Ste.330
Pendleton, OR 97801
541-278-4626 or
Toll free in Oregon
800-452-4011

**Lane Regional Air
Protection Agency**
1010 Main Street
Springfield, OR 97477
541-736-1056 x 231
www.lrapa.org



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BOILER INFORMATION SHEET (this form may be used for NSPS initial notification requirements)

Table 1. Determining if you have an NSPS-affected boiler:

| Questions | ✓yes | ✓no | Affected Status |
|--|------|-----|--|
| Q1. Is the heat input capacity of the boiler more than 10 MMBtu/hr? | | | If your boiler is less than 10 MM Btu./hr, it is NOT subject to the NSPS. |
| Q2. Was the boiler constructed after June 9, 1989? | | | If you answered yes to both Q1 and Q2, the boiler is subject to the NSPS. |
| Q3. Has there been any physical or operational change (such as a fuel switch) made to an existing boiler since 1989 that resulted in an increase in emission rates of sulfur dioxide or particulate matter? | | | If you answered yes to both Q1 and Q3, the boiler is subject to NSPS. The boiler is affected by NSPS even if its heat input capacity prior to the modification was below 10 MM Btu/hr but is now over 10 MM Btu/hr. |
| Q4. Has the boiler been reconstructed since 1989? A boiler is “reconstructed” if the cost of its replacement components is more than 50% the cost of a new boiler. | | | If you answer yes to both Q1 and Q4, the boiler is subject to NSPS. |

Table 2. Company information:

| | |
|---|--|
| Legal Name: | Other company name (if different than legal name): |
| Mailing Address: | Site Address (if different than mailing address): |
| City, State, Zip Code: | City, County, Zip Code: |
| Standard Industrial Classification (SIC): | E-mail Address: |
| Contact Name: | Telephone Number: |
| Title: | Fax Number: |

Table 3. Boiler Information (use separate sheets for each boiler):

| | | | |
|--|--|--|--|
| Boiler identification/make | | Rated design heat input capacity | |
| Boiler model number | | Primary fuel type | |
| Date (year) of boiler manufacture | | Estimated quantity of primary fuel used per year | |
| Date of original boiler construction, installation or reconstruction | | Secondary fuel type | |
| Date of boiler startup | | Estimated quantity of secondary fuel used per year | |

Table 4. Signature

| | |
|--|-------------------------------------|
| <i>I hereby certify that the information contained in this information sheet are true and correct to the best of my knowledge.</i> | |
| Name of official (Printed or Typed): | Title of official and phone number: |
| Signature of official: | Date: |