

Source Category Description:

Gas and oil fired boilers that meet the following criteria:

Size	Heat energy input capacity
single boiler	between 10 and 29 MM BTU/hour
aggregate of all boilers on site	between 10 and 250 MM BTU/hour

1. Qualifications: For each qualification statement listed below, answer “yes” or “no” in the far right column.

a. Do the operations meet the description provided above?	
b. Are there any other activities identified in OAR 340-216-0020, Table 1?	
c. Are there any other activities not described above that cause air pollutant emissions?	
d. Is the facility currently in compliance with DEQ regulations?	
e. Have there been any violations in the last 5 years?	
f. If there have been violations, have they been resolved?	
g. Does the facility have the proper land use approvals?	

2. Boiler Information:

Boiler identification			
Manufacturer			
Date manufactured (month/year)			
Date construction commenced (month/year)			
Date installed (month/year)			
Rated design heat input capacity (million Btu per hour)			
Rated steam production capacity (pounds per hour)			
Primary fuel type			
Max. fuel quantity used per hour (include units)			
Max. fuel quantity used per year (include units)			
Secondary fuel type			
Max. fuel quantity used per hour (include units)			
Max. fuel quantity used per year (include units)			

3. Maximum Projected Pollutant Emissions: Determine the maximum projected annual pollutant emissions for all boilers based on the type of fuel burned.

Fuel type	Maximum Projected Annual Fuel Usage	Pollutant	Emission Factor	Emission Factor Units	Emissions (tons/yr.)
Natural gas	10 ⁶ ft ³	PM	2.5	lb/10 ⁶ ft ³	
		PM ₁₀	2.5		
		SO ₂ ⁽¹⁾	2.6		
		NO _x	100		
		CO	84		
		VOC	5.5		
Propane	gallons	PM	0.22	lb/1000 gal.	
		PM ₁₀	0.22		
		SO ₂	0.23		
		NO _x	13.5		
		CO	7.5		
		VOC	0.49		
Oil	gallons	PM	11.5	lb/1000 gal.	
		PM ₁₀	8.2		
		SO ₂	71		
		NO _x	55		
		CO	5		
		VOC	1.1		

4. Permit Requirements:

All conditions of the General ACDP apply to the source, unless they are listed below. Applicability of these permit conditions is based on date of construction or installation of air contaminant sources. For each permit condition listed below, indicated whether the condition applies to your facility by answering the question.

Permit condition	Applicability question:	Answer (yes/no)
2.1.a	Is the facility located outside Clackamas, Columbia, Multnomah, or Washington Counties?	
2.1.b & 2.2.c	Is the facility located in Clackamas, Columbia, Multnomah, or Washington Counties?	
2.2.a	Were any of the boilers installed on or before June 1, 1970?	
2.2.b	Were any of the boilers installed, constructed, or modified after June 1, 1970?	
2.6.a	Is distillate or residual oil burned in the boilers?	
2.6.b	Is on-specification used oil burned in the boilers?	

**BOILERS
ASSIGNMENT TO GENERAL AIR CONTAMINANT DISCHARGE PERMITS**

**FORM AQGP-111
ANSWER SHEET**

Permit condition	Applicability question:	Answer (yes/no)
3.1 & 3.7	Were any of the boilers with heat inputs between 10 and 100 million Btu/hr installed, constructed, or modified after June 9, 1989?	
3.3	Are there any boilers with a heat input greater than 30 million Btu/yr that burn oil and were installed, constructed, or modified after Jun 9, 1989?	
3.4	Were any of the boilers constructed, reconstructed, or modified after Febuary 28, 2005?	
3.5	If the answer to 3.1 is "yes", is residual oil burned in any of the boilers?	
3.6	Are there any boilers subject to the standards in condition 3.4?	
3.7	If the answer to 3.6 is "yes", are the fuels that are burned in the boiler(s) only oil that contains no more than 0.5 weight percent sulfur or gaseous fuels with potential sulfur emissions rates of 0.54 lb/million Btu heat input or less?	
3.8, 3.9, and 3.10	Do any of the boilers with heat inputs between 10 and 100 million Btu burn oil?	
3.11 through 3.14	Were any of the boilers that have heat inputs between 10 and 100 million Btu per hour installed after June 9, 1989?	
4.2 & 4.3	Is the facility located in the Medford-Ashland AQMA or Lakeview UGA?	
5.2	Is the facility located in the Medford-Ashland AQMA?	
8.3	Is this a new facility?	