



Puget Sound Clean Air Agency

General Order of Approval

Temporary Natural Gas-Fired Boiler

General Order No. **BRO-1**

General Order Date: **DRAFT**

TERMS AND CONDITIONS

PUGET SOUND CLEAN AIR AGENCY HEREBY ISSUES A GENERAL ORDER OF APPROVAL TO CONSTRUCT, INSTALL, OR ESTABLISH

One (1) temporary natural gas-fired boiler, rated at 100 MMBtu/hr or less, to be operated for less than six months, and only as a substitute for an existing permanent boiler.

THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

1. Approval is hereby granted as provided in Article 6 of Regulation 1 of the Puget Sound Clean Air Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Department of the Puget Sound Clean Air Agency.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
3. The temporary boiler may only be used as a substitute for an existing permanent boiler. The heat input rating of the temporary boiler may not exceed by more than 10% the heat input rating of the boiler for which it is the substitute, and it may be no greater than 100 MMBtu/hr.
4. The temporary boiler may fire only natural gas.
5. If the boiler for which the temporary boiler is the substitute is equipped with selective non-catalytic reduction, selective catalytic reduction, or an oxidation catalyst, then the temporary boiler must also be equipped with the same pollution control.
6. Other than during periods of startup or shutdown, the temporary boiler and the boiler for which it is the substitute may not be operated simultaneously.
7. Authorization to operate the temporary boiler expires six months after initial startup of the temporary boiler.
8. The boiler shall not emit in excess of 30 parts per million by volume, dry (ppmvd), of NOx when fired on natural gas (corrected to 3% O₂) as measured by the average of three 60-minute test runs using U.S. EPA Method 7E.
9. The boiler shall not emit in excess of 50 ppmvd of CO when fired on natural gas (corrected to 3% O₂) as measured by the average of three 60-minute test runs using U.S. EPA Method 10.
10. Compliance with the NOx and CO emissions limits may be met through manufacturer certification or through a test conducted within 10 days of the beginning of operation.
11. Visible emissions from this boiler must not exceed zero percent opacity for more than 3 minutes in any hour as determined by Ecology Method 9A. Testing is not required unless requested by the Agency.
12. The owner or operator shall inspect the boiler's stack for visible emissions once every day of operation. These inspections must be performed during daylight hours when the boiler is in operation. If visible emissions are observed, then take corrective actions until the emission is no longer visible. If corrective actions fail to correct the problem, then the boiler shall be shut down until effective corrective actions can



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be made. Documents shall be kept of the date and time of observation, the operational status of the boiler, whether visible emissions were seen and, if so, what corrective actions were taken.

13. The following records must be kept onsite and up-to-date, and be made readily available to Agency personnel upon request:
 - a. Daily opacity inspection results including the date of inspection, name of person who conducted the observation, whether or not visible emissions were observed, and any corrective action or mitigation measure taken to eliminate the visible emissions.
 - b. The dates and times of operation (start, stop, and duration) for the temporary boiler operating under this order, and for any simultaneous operation of the permanent boiler for which it is the temporary substitute.
 - c. The maximum heat input of the boiler installed to operate under this order.
 - d. Manufacturer's guarantee of NOx and CO emissions rates, or the compliance test results, to demonstrate compliance with Conditions 8, 9, and 10.
14. All logs or records maintained in compliance with this Order of Approval shall be kept for at least two years and made available to Agency personnel upon request.

APPEAL RIGHTS

Pursuant to Regulation I, Section 3.17 and RCW 43.21B.310, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, an appeal must be filed with the PCHB and a copy served upon Puget Sound Clean Air Agency within 30 days of receiving this Order.

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Jonathan Holtom, P.E.
Engineer

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John Dawson, P.E.
Engineering Manager