northwest Clean Air agency
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Original Issuance: June 12, 2017
Revision a: July 18, 2017

Northwest Clean Air Agency (NWCAA) hereby issues Order of Approval to Construct (OAC) 1282a

Project Summary: Install three new boilers at the hospital replacing a 8.4 MMBtu per hour boiler that was decommissioned and removed on February 13, 2017. The project will convert the hospital from being steamed heated to being heated by hot water (hydronic).

Approved Emission Units:

- Two (2) Aerco Benchmark BMK3000, natural gas-fired condensing boilers with a maximum heat input capacity of 3 MMBtu per hour each (HHV). The boilers are equipped with burners having a NOx performance rating of 30 ppmv @ 3% oxygen.
- One (1) Bryan Model RV-700-W-150 boiler with a maximum heat input capacity of 7 MMBtu per hour (HHV). The boiler is equipped with dual-fuel burners with a NOx performance rating of 30 ppmv @ 3% oxygen when fired on natural gas, and an expected NOx performance of 70 ppmv @ 3% oxygen when fired on diesel.

Owner/Operator	Facility Name and Location
Naval Air Station Whidbey Island Environmental, Building 103 1115 W. Lexington Street Oak Harbor, WA 98278-3500 Contact: Jennifer Stewart, Air Program Manager	Naval Air Station Whidbey Island Environmental, Building 103 1115 W. Lexington Street Oak Harbor, WA 98278-3500

Permit History

- As of the date of issuance, this Order supersedes NWCAA OAC 1282 issued June 12, 2017.

Note that in addition to other applicable rules and regulations, the approved emission units are subject to applicable portions of the following federal regulations:

National Emission Standards for Hazardous Air Pollutants (NESHAP)/Maximum Achievable Control Technology Standards (MACT)

- 40 CFR 63 Subpart A – General Provisions
- 40 CFR 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

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Issuance of this Order is authorized by Northwest Clean Air Agency Regulation Section 300. The Owner/Operator must comply with the following restrictions and conditions[1]:

(1) Only natural gas shall be combusted in the Aerco and Bryan boilers, except that ultra-low sulfur diesel (ULSD) may be combusted in the Bryan boiler under the following restrictions.

(A) During periods of natural gas curtailment or interruption.

(B) During periodic testing, maintenance, or operator training when the combined hours for these activities is less than 48 hours per calendar year.

(2) Compliance with the recordkeeping and reporting provisions of 40 CFR 63 Subpart DDDDD pertaining to fuel use shall be used to demonstrate compliance with Condition (1) of this Order.

(3) Visible emission from the Bryan Boiler exhaust stack are prohibited that exceed zero percent opacity for more than an aggregate of 3 minutes in any consecutive 60-minute period as determined by Washington State Department of Ecology Method 9A.

(4) Provide the NWCAA with written notice of the startup date of each boiler approved under this order. The notice(s) shall be postmarked no later than 15 days after startup and shall include a reference to OAC 1282.

Daniel A. Mahar, P.E.
Environmental Engineer

Agata McIntyre P.E.

Agata McIntyre, P.E.
Engineering Manager

Revision a: Correct issue date error.

[1] Nothing in this permit is intended to, or shall, alter or waive any applicable law [including but not limited to defenses, entitlements, challenges or clarifications related to the Credible Evidence Rule, 62 FR 8315 (Feb. 27, 1997)] concerning the use of data for any purpose under the Act, generated by the reference method specified herein or otherwise.

Pursuant to Section 300.10 of the NWCAA Regulation and ch 43.21B RCW, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, a written notice of appeal must be filed with the PCHB and a copy served upon the NWCAA within 30 days of the date the applicant receives this Order. Additional information regarding appeal procedures can be found at: http://www.eluho.wa.gov/ under PCHB.