northwest Clean Air agency

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Original Issuance: September 9, 2011

Northwest Clean Air Agency (NWCAA) hereby issues
Order of Approval to Construct (OAC) #1100

Project Summary: Replacement of an existing 460 hp diesel-powered wood chipper with a new 475 hp diesel-powered wood chipper.

Approved Emission Unit:

- Rotochopper MC 266 wood chipper powered by a Caterpillar model 7CPXL15.2ESK, Tier 3 compliant, 475 hp diesel engine

APPLICANT

Dina Torgerson
Naval Air Station Whidbey Island
1115 West Lexington
Oak Harbor, WA 98278

OWNER

Naval Air Station Whidbey Island
1115 West Lexington
Oak Harbor, WA 98278

FACILITY LOCATION:

Area 6, Ault Field Road, Naval Air Station Whidbey Island, Oak Harbor, WA

Permit History

- As of the date of issuance, this Order supersedes NWCAA OAC #586 issued April 11, 1996.

Note that in addition to other applicable rules and regulations, this project is subject to applicable portions of the following federal regulations:

New Source Performance Standards

- 40 CFR 60 Subpart A – General Provisions
- 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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National Emission Standards for Hazardous Air Pollutants / Maximum Achievable Control Technology Standards

- 40 CFR 63 – Subpart A – General Provisions
- 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

As authorized by Northwest Clean Air Agency Regulation Section 300, this order is issued subject to the following restrictions and conditions[1]:

Fuel sulfur content limit

1. Sulfur content of the diesel fuel combusted in the engine powering the wood chipper shall not exceed 0.0015% (15 ppm) by weight. To demonstrate compliance with this condition, the permittee shall either use an appropriate method in 40 CFR 60.17 or obtain a certificate from the supplier showing the sulfur content of the fuel.

Opacity Limits

2. Visible emissions from the diesel engine shall not exceed 5 percent opacity on a six (6) minute block average basis measured by EPA Reference Method 9, except during startup. The startup period ends when the engine has been operating for 15 minutes.
3. Visible emissions from wood chipping equipment shall not exceed 5 percent opacity for more than three minutes in any one-hour period as measured by Washington Department of Ecology Method 9A.

Fugitive Emission Control Requirements

4. Water spray nozzles shall be used to reduce fugitive particulate emissions when the type and quantity of material might emit fugitive emissions beyond the immediate operating location.
5. The main road between the plant boundary and the immediate vicinity of the wood chipper shall be paved, surfaced with crushed gravel, or otherwise treated to minimize entrainment of particulate matter. If particulate matter entrainment is observed due to action of wind or passage of vehicles, cleaning, watering, or treatment with dust suppressant material shall be done until entrainment of particulate matter is no longer observed during wind or passage of vehicles.

for

Alan T. Butler, P.E.
Permit Engineer

Mark Buford, P.E.
Assistant Director

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