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Original Issuance: February 1, 2007

Northwest Clean Air Agency (NWCAA) hereby issues
Order of Approval to Construct #993

Project Summary: Pacific Tech Construction is replacing two diesel-fired emergency generators (ICE-2508-1 and -02) at the Naval Air Station Whidbey Island's Building 135 property with a single diesel-fired 200 kW emergency generator (ICE-2508-03). The generator, a Generac Model SD200 manufactured prior to April 1, 2006, will be used for backup power generation.

OPERATOR

Contact: Mary Lou Gonzales
Naval Air Station, Whidbey Island
Environmental Affairs Department, N44
1155 W. Lexington St., Bldg 113
Oak Harbor, WA 98273-3800

N United States Navy

FACILITY LOCATION:

Ault Field, 1155 West Lexington St., Oak Harbor, Washington

NWCAA ID: 158-V-I

Best Available Control Technoloav (BACT) and Toxic Air Pollutant BACT (TBACT) for the project have been determined to be:

- EPA tier 1 standards for the pre-April 2006 engine for NOx, PM, CO, and HC.
- On-road specification ultra-low sulfur diesel or biodiesel fuel combustion.

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

1. With the exception of Condition 2, the generator's engine shall combust diesel fuel with sulfur content no greater than 0.0015 wt%. To demonstrate compliance with this condition, the facility shall either obtain certificates of fuel analysis using an ASTM analytical method or obtain a certificate from the supplier showing the sulfur content of the fuel upon delivery. This record shall be available to the NWCAA upon request.

2. The engine may combust an alternative fuel (for example, a biodiesel blend) upon approval of the NWCAA. The facility may also use remaining non-compliant fuel that does not meet the 0.0015 wt% sulfur requirement for the purpose of using up existing fuel inventory at the Ault Field facility stored at the time of permit issuance.

Serving Island, Skagit and Whatcom Counties

The non-compliant fuel allowance is valid for a period up to twelve months from the date of permit issuance.

3. Visual emissions from generator #ICE-2508-03 shall not exceed ten percent (10%) opacity for more than three minutes in any sixty-minute period as determined by Department of Ecology Method 9A. Emissions during the initial five (5) minutes of operation (cold start-up) are exempt from this limit.

4. The emissions from the generator set stack exhaust shall be observed during daylight hours while the generator is in operation and under full load. The observation shall be made monthly for six consecutive months after initial startup. If at the end of the six month period of monthly monitoring visual emissions have consistently been zero, observations may continue semiannually. If any visual emissions are detected for more than two minutes during any observation (outside of the five minutes of cold start-up), visual emissions shall be reduced to zero or monitored by Ecology Method 9A as soon as possible and no later than six hours after detection. Also, visual emissions observation shall revert to monthly until six consecutive months of consistently zero observations have been recorded.

5. Generator ICE-2508-03 shall not operate for more than five hundred hours per year, including testing time. The generator shall be equipped with a device that records the number of operating hours. Records shall be kept of the number of hours the generator runs during each calendar year. These records shall be kept onsite for a minimum of five years and shall be available for inspection by the NWCAA.

6. All maintenance, visual emissions observations, and actions taken to resolve any visual emissions problems shall be recorded in a logbook kept on-site and readily available to the NWCAA upon request.

7. When the conditions of this permit are incorporated into the facility's Air Operating Permit, the results of each visual emissions observation, and/or Department of Ecology Method 9A test, and actions taken to resolve problems shall be reported to the NWCAA in the facility's semiannual monitoring report.

Annie Naismith, PE
Permitting and Reviewing Engineer

Mark Asmundson
Director