



**Northwest Clean Air Agency (NWCAA) hereby issues
Order of Approval to Construct (OAC) # 1338**

Owner/Operator	Facility Name and Location
Mt. Baker Ski Area Inc. 1420 Iowa Street Bellingham, WA 98229	Mt. Baker Ski Area Mile Marker 52, Mount Baker Hwy Mount Baker, WA 98244

Project Summary & Approved Emission Units:

This OAC retroactively approves the following existing stationary engines and new stationary engines for operation in the listed locations:

Engine Location & Size	Engine ID & Install Date	Fuel
White Salmon Gen Room #1 (172 hp)	Primary Engine: # BI-HK1X 483659; Installed 2017	Diesel
White Salmon #3 aka "Big Gen" (569 hp)	Primary Engine: CAT C13; Installed 2017	Diesel
Raven Lodge 1 (79 hp)	Primary Engine: FPT / F4GE9455A*J; Installed 2011	Diesel
Raven Lodge 2 (79 hp)	Primary Engine: EE-4BG1T; Installed 2016	Diesel
Sewage Treatment Plant 1 (74 hp)	Primary Engine: CAT #CJ900250; Installed 2020	Diesel
Sewage Treatment Plant 2 (86 hp)	Primary Engine: Isuzu / EE-4BG1T; Installed 2016	Diesel
Heather Meadows Maint. 1 (188 hp)	Primary Engine: CAT/Perkins 6.6 # 66606222; Installed 2012	Diesel
Heather Meadows Maint. 2 (190 hp)	Primary Engine: CAT/Perkins 6.6 # 66606221; Installed 2012	Diesel
Heather Meadows Maint. 3 (134 hp)	Primary Engine: Isuzu A-6BGIT; Installed 2018	Diesel
Chair 3/4 #1 (275 hp)	Primary Engine: CAT C7.1; Installed 2012	Diesel
Chair 5 #1 (450 -475 hp)	Primary Engine: CAT C15 #N5F01984; Installed 2020	Diesel
Chair 6 #2 (475 hp)	Primary Engine CAT C15, EPA Tier 4 certified, expected install summer 2021	Diesel

	<i>(will replace existing 450 hp CAT C16 engine installed at Chair 6 in 2004)</i>	
Chair 8 #1 (475 hp)	Primary Engine: CAT C15; Installed 2010	Diesel
Pandome Hut A (31 hp)	Primary Engine: Kubota WG972-GL-ET; Installed 2018	Propane
Pandome Hut B (31 hp)	Primary Engine: Kubota WG972-GL-ET; Installed 2018	Propane

Federal Regulations

In addition to other applicable rules and regulations, one or more of the approved emission units are subject to applicable portions of the following federal regulations:

- 40 CFR 60 Subpart A and 40 CFR 63 Subpart A (General Provisions)
- 40 CFR 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- 40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (for diesel fueled engines)
- 40 CFR 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (for propane fueled engines)

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) As of the date of issuance, this Order supersedes NWCAA OAC 1344 issued January 13, 2020 for Sewage Treatment Plant Engine 1.

Facility-wide limits (Synthetic Minor) which apply to all stationary equipment at the facility:

- (2) Limit facility-wide air emissions of Nitrogen Oxides (NOx) from all stationary equipment, including emergency stationary engines, to less than eighty tons during any consecutive 12-month period.
- (3) Within 30 days after the end of each calendar month:
 - (a) For EPA certified stationary diesel engines, calculate NOx air emissions during the previous calendar month using either the emission guarantee provided as part of the EPA certification for the engine or the emission factor in Condition 3(b);
 - (b) For stationary diesel engines without EPA certifications, calculate NOx air emissions during the previous calendar month using an emission factor of 0.595 pounds NOx per gallon of diesel fuel burned, unless otherwise approved by NWCAA in writing;
 - (c) For the engines at Pandome Hut A and B, calculate NOx air emissions during the previous calendar month using an emission factor of 0.558 pounds per hour of NOx, unless otherwise approved by NWCAA in writing;
 - (d) For stationary equipment other than engines, use EPA AP-42 emission factors to calculate NOx air emission during the previous calendar month.
 - (e) Sum the NOx air emissions from all stationary equipment, including boilers and heaters,

at the facility during the previous consecutive 12-month period.

- (4) Notify NWCAA, in writing (via letter or email), within 30 days after the end of each consecutive 12-month period if, during that period, emissions calculated per Condition 3(e) exceed seventy (70.0) tons of NOx.

For each engine approved in this permit:

- (5) For the life of the engine, maintain a copy of the engine operations and maintenance (O&M) manual onsite and available to NWCAA personnel upon request. The O&M manual must include all manufacturer recommended engine maintenance along with a maintenance schedule. If the engine is equipped with a diesel particulate filter, diesel oxidation catalyst, or other exhaust treatment, the O&M manual must include the manufacturer recommended maintenance activities and a schedule for when the maintenance activities will be performed.
- (6) Perform all maintenance recommended in the O&M manual following the schedule recommended by the manufacturer, or more frequently if desired.
- (7) Track hours of operation using a non-resettable hour meter.
- (8) For diesel-fired engines: Only use fuel with a sulfur content of 15 parts per million (ppm) or less by weight.
- (9) Exhaust stacks:
 - (A) For each engine except sewage treatment plant #1 and #2: Exhaust the engines through unrestricted vertical, upward exhausting, stacks that are at least 6 feet tall from where the exhaust stack exits the structure.
 - (B) For sewage treatment plant #1 and #2: Exhaust the engines through unrestricted stacks that have an angle of 45 degrees or less from vertical, in the upward direction.
- (10) Maintain the following records for at least three years onsite and make them available to NWCAA personnel upon request:
 - (A) All records generated pursuant to Condition 3.
 - (B) Documentation certifying the fuel sulfur content of each batch of diesel fuel received.
 - (C) A log of all maintenance performed in accordance with Condition 6 and any other maintenance related to engine performance.

For Chair 6 #2 engine

- (11) As of the date of startup of the new engine (CAT C15), permanently discontinue the use of the existing engine (CAT C16) and do not use it anywhere else at the facility.
- (12) No later than 15 days after startup, provide NWCAA with written notice of the startup date, along with the engine serial number. Include a reference to OAC 1338.

Agata McIntyre, P.E.
Engineering Manager

Mark Buford
Executive Director

Appeal Rights:

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.