State of Washington
Department of Ecology

In the matter of approving Condition Modifications for **MICROSOFT CORPORATION COLUMBIA DATA CENTER**	))))	**Preliminary Determination** AQPID No. A0250278

Project Summary

Microsoft Corporation – Columbia Data Center, herein referred to as the Permittee, is an existing data center located at 501 Port Industrial Parkway, Quincy, Washington, in Grant County.

The Permittee is classified as a Synthetic Minor source for Nitrogen Oxides.

Equipment

1. A list of equipment that was evaluated for this order of approval is contained in Tables 1.a through 1.c.

Table 1.a: Engine & Generator Serial Numbers

Phase	Unit ID	Engine SN	Generator SN	Build date
CO1/1	1	SBK000170	G4B00130	8/14/2006
"	2	SBK000179	G4B00132	8/25/2006
"	3	SBK000169	G4B00128	8/10/2006
"	4	SBK000181	G4B00133	8/28/2006
"	5	SBK000176	G4B00131	8/25/2006
"	6	SBK000168	G4B00129	8/10/2006
"	7	SBK000160	G4B00125	7/21/2006
"	8	SBK000159	G4B00127	7/19/2006
"	9	SBK000162	G4B00126	7/24/2006
"	10	SBK000158	G4B00124	7/19/2006
"	11	SBK000172	G4B00113	8/18/2006
"	12	SBK00990	KHD00231	8/15/2010
CO1/2	1	SBK000208	G4B00173	11/1/2006
"	2	SBK000214	G4B00171	11/6/2006
"	3	SBK000211	G4B00176	11/3/2006
"	4	SBK000213	G4B00177	11/6/2006
"	5	SBK000201	G4B00178	10/20/2006
"	6	SBK000171	G4B00112	8/17/2006
"	7	SBK000212	G4B00175	11/6/2006
"	8	SBK000205	G4B00170	10/30/2006
"	9	SBK000210	G4B00172	11/3/2006
"	10	SBK000200	G4B00179	10/20/2006
"	11	SBK000209	G4B00174	11/2/2006
"	12	SBK00989	KHD00230	8/14/2010

Phase	Unit ID	Engine SN	Generator SN	Build date
CO9	25	SBK00949	G8D00117	7/25/2010
CO3.2	26	SBK00947	G8D00116	7/16/2010
CO9	27	SBK00945	G8D00115	7/15/2010
"	28	SBK00953	G8D00119	7/28/2010
"	29	SBK00951	G8D00118	7/28/2010
"	30	SBK01014	G8D00142	10/6/2010
"	31	SBK01012	G8D00141	10/5/2010
"	32	SBK01030	G8D00146	10/14/2010
"	33	SBK01027	G8D00145	10/13/2010
"	34	SBK01013	G8D00140	9/30/2010
"	35	SBK01015	G8D00144	10/7/2010
CO6	1	LYM00715	G7J06261	5/27/2020
"	2	LYM01199	G7J06262	5/27/2020
"	3	LYM00713	G7J06249	5/27/2020
"	4	LYM01195	G7J06263	5/27/2020
"	5	LYM01200	G7J06260	5/27/2020
CO7	1	PW301455	G6B27561	11/11/2021
"	2	LYH00626	GAH00267	5/23/2022
"	3	LYH00627	GAH00268	5/23/2022
CO8	1	PW301453	G6B27561	11/1/2021
"	2	LYH00624	GAH00265	5/19/2022
"	3	LYH00625	GAH00266	5/20/2022

Table 1.b: Fire Pump Engine Serial Number

Unit ID	Engine SN	Engine Size	Build Year
CO1	Pe6068t602182	149 bhp	2006
CO2	Pe6068t679482	149 bhp	2007

Table 1.c: Cooling Towers

Unit ID	Number of Cooling Tower Banks	Number of Cooling Tower Units per Bank	Total number of Cooling Tower Units
CO1	1	18	18
CO2	1	18	18
Total	2	na	36

Table 1.d Nonroad engines 2.0 MWe (2,692 bhp) and 1.0 MWe (1,488 bhp) used if another emergency generator fails, exempt from New Source Review (WAC 173-400-035)

Generator	Engine SN	Generator SN	Commission date
Nonroad – 2.0 MWe	4T400196	G4E00303	12/2024
Nonroad – 0.5 MWe	CM801975	G6B29665	12/2024
Nonroad – 0.5 MWe	4T400196	G4E00303	12/2024

Legal Authority

The emissions from the proposed project have been reviewed under the legal authority of RCW 70A.15.2210 and the applicable rules and regulations adopted thereunder. The proposed project, if operated as specified, will be in accordance with applicable rules and regulations, as set forth in Chapters 173-400 WAC and 173-460 WAC and the operation thereof, at the location proposed, will not result in ambient air quality standards being exceeded.

This Notice of Construction (NOC) Approval Order rescinds and replaces NOC Approval Order No. 22AQ-E006. NOC Approval Order No. 22AQ-E006 is no longer in effect.

Therefore, it is ordered that the project as described in the NOC application and more specifically detailed in plans, specifications, and other information submitted to the Washington State Department of Ecology, (Ecology) is approved for construction and operation, provided the following conditions are satisfied:

Approval Conditions

1. Administrative Conditions

a. The emergency engine generators approved for operation by this Order are to be used solely for those purposes authorized for emergency generators under 40 C.F.R. 60, Subpart IIII. This includes the hourly operation requirements described in 40 C.F.R. 60.4211(f), except that there must be no operation of this equipment to produce power for demand-response arrangements, peak shaving arrangements, nor to provide power as part of a financial arrangement with another entity, nor to supply power to the grid.

b. Mountain View Elementary School administrators must be provided a maintenance testing schedule as contained in the permit, and the Permittee must update the school whenever Ecology-approved changes occur in the maintenance testing schedule. As decided by the school administrators and the Permittee, an ongoing relationship between the school and the Permittee should be established.

2. Equipment Restrictions

a. All engines identified in Tables 1.a and 2 used to power the electrical generators must be operated in accordance with applicable 40 C.F.R. 60, Subpart IIII requirements including but not limited to: certification by the manufacturer to meet the 40 C.F.R. 1039, Appendix I EPA Tier 2 or Tier 3 (for support engines) emissions levels as required by 40 C.F.R. 60.4202; and installed and operated as emergency engines, as defined in 40 C.F.R. 60.4219.

i. At the time of the effective date of this permit, Tier 4 interim and Tier 4 final certified engines (as specified in 40 C.F.R. 1039.102 Table 7 and 40 C.F.R. 1039.101 Table 1, respectively), are not required for 2.5 MWe (3633 bhp), 1.5 MWe (2,206 bhp), 350 kWe (539 bhp) electrical generators used for emergency purposes as defined in 40 C.F.R. 60.4219 in attainment areas in Washington State. Any engines

installed at the facility after Tier 4 or other limits are implemented by EPA for emergency generators, must meet the applicable specifications as required by EPA at the time the emergency engines are installed.

b. Only Caterpillar Model 3516C 2.5 MWe (3633 bhp), Model 3512C 1.5 MWe (2,206 bhp), and Model C13 350 kWe (539 bhp) engines, nonroad engines, and electrical generating units are approved for operation at the facility and are listed in Table 1.a and Table 1.c above.

c. Engines associated with buildings CO7 and CO8 must be equipped with Selective Catalytic Reduction (SCR) and Diesel Particulate Filter (DPF) controls to meet emission limits listed in Condition 5, Table 3.

d. The installation of any new or replacement engines 18 months after issuance of this Approval Order, will require notification to Ecology that includes engine manufacturer's specification sheets. Ecology will decide whether new source review is required based on various factors including whether the new engines will have either an increased emission rate, or result in an emission concentration that may increase community impacts over those evaluated for this Approval Order, or if an update to Best Available Control Technology, analysis is necessary.

Table 2 – Emergency Generator Exhaust Stack Height Requirements

Quantity	Location	Minimum Height (feet)	Stack Diameter (inches)	Height Above Roof (feet)
20	CO1 and CO2 Building	38'	18"	8'
4	CO1 and CO2 Ground Level	20'	18"	
11	CO3.2 and CO9 Ground Level	31'	18"	
5	CO6 Building	38'	24"	12.5'
4	CO7 and CO8 Buildings 1.5 MWe (2,206 bhp)	46	16"	20.5'
2	CO7 and CO8 Buildings 350 kWe (539 bhp)	46	12"	20.5'

3. Operating Limitations

a. Facility fuel consumption must be limited to a combined total of 467,485 gallons per year and 95,016 gallons per day of renewable diesel (including renewable hydrocarbon diesel and hydro-treated vegetable oil) and/or on-road specification No. 2 distillate fuel oil. All fuels used must be less than 0.00150 weight percent sulfur.

b. The 35 CO1, CO2, CO3.2, and CO9 generators must not operate more than 100 hours per year per engine at an average capacity of 53 percent of full standby capacity. Generator operations may deviate from 53 percent of full standby capacity as long as

emissions do not exceed emissions represented by 100 average annual operating hours at 53 percent of full standby capacity. Annual operating hours may be averaged over all 35 CO1, CO2, CO3.2, and CO9 generators.

c. Operation of the 11 CO3.2, and CO9 generators for electrical bypass must be limited to approximately 44 hours per year each at an average electrical load of 40 percent of the standby rating. Annual operating hours for electrical bypasses may be averaged over the 11 generators. Operations for electrical bypasses may deviate from 40 percent of full standby capacity as long as emissions do not exceed emissions represented by 44 average annual operating hours at 40 percent of full standby capacity. No more than five engines will operate at the same time during any electrical bypass operation for four hours per day or two engines may operate for 44 hours.

d. Each of the 35 CO1, CO2, CO3.2, and CO9 generator engines require maintenance and testing for approximately one hour per month. To mitigate engine emission impacts, the Permittee will perform at least 80 percent of all maintenance testing from 7:00 AM until 5:00 PM on Monday through Friday with no more than three engines tested concurrently. Engine maintenance and testing may take place outside of these restrictions upon coordination by the Permittee with the other data centers in Quincy to minimize engine emission impacts to the community. The Permittee must maintain records of the coordination communications with the other data centers, and those communications must be available for review by Ecology. This schedule can be re-negotiated at any time as approved in writing by Ecology and will not trigger revision or amendment of this Order.

e. CO1 and CO2 each have one bank of six cooling units with a total of 18 cooling towers, for a facility total of 36 cooling towers. Each individual unit must have a mist eliminator that will maintain the maximum drift rate to no more than 0.0005 percent of the circulating water rate.

f. Operation of the 11 CO3.2 and CO9 generators for power outage emergencies must be limited to a maximum of 48 hours per engine per calendar year at a maximum average electrical load of 75 percent. Annual operating hours for power outage emergencies may be averaged over the 11 generators. Operations for power outage emergencies may deviate from 75 percent of full standby capacity as long as emissions do not exceed emissions represented by 48 average annual operating hours at 75 percent of full standby capacity.

g. The five CO6 generators must not operate more than 80 hours per year per engine. Annual operating hours may be averaged over all CO6 generators in service.

h. Operation of more than one CO6 generator for more than 15 hours per generator in any 24-hour period must not occur more than three times in any three calendar year period.

i. The operation of more than one CO6 generator, operating concurrently at any one time, must not occur on more than 21 calendar days in any three calendar year period.

j. There is no limit on the number of days that operation of one CO6 generator at a time can occur, but operation under this scenario is limited to daytime hours only (7:00 am to 7:00 pm).

k. The four 1.5 MWe (2,206 bhp) generators located at buildings CO7 and CO8 must not operate more than a combined total 220 hours per year.

l. The two 350 kWe (539 bhp) generators located at building CO7 and CO8 must not operate more than a combined total of 200 hours per year.

4. General Testing and Maintenance Requirements

a. The Permittee will follow engine-manufacturer's recommended diagnostic testing and maintenance procedures to ensure that each of the 40 2.5 MWe (3633 bhp) engines, four 1.5 MWe (2,206 bhp) engines, and two 350 kWe (539 bhp) engines will conform to applicable engine specifications in Conditions 2.a, 2.b, and applicable emission specifications in Condition 5, Table 3 throughout the life of each engine.

b. Following installation and commissioning, or concurrent with commissioning, of the first generator, but prior to the transfer of a batch of engines to the Permittee's ownership, one of each of the 2.5 MWe (3,633 bhp) and 1.5 MWe (2,206 bhp) engines must be source tested. To demonstrate the engines are commissioned and programmed to run within the emission limits in Condition 5, Table 3, for Particulate Matter (PM) (filterable only), Nitrogen Oxides (NOx), Non-Methane Hydrocarbons (NMHC), and Carbon Monoxide (CO) emissions measurement must be conducted for one engine from each batch or control generation. Testing must be conducted at the loads of 100 percent, 75 percent, 50 percent, 25 percent and 10 percent using weighted averaging according to Appendix II to 40 C.F.R. 1039. Testing may be conducted using 40 C.F.R. 1065.

c. Within 60 months of the first engine installation of each phase of installation, and every 60 months thereafter, the Permittee must measure emissions of PM (filterable), NMHC, NOx, CO, and oxygen (O_2) from at least one representative engine from each batch of engines installed, in accordance with Condition 4.d. This testing will serve to demonstrate compliance with the emission limits contained in Condition 5, Table 3; and as an indicator of proper operation of the engines. The selection of the engine(s) to be tested must be subject to prior approval by Ecology and must be defined in the source test protocol submitted to Ecology no less than 30 days in advance of any compliance-related stack sampling conducted by the Permittee. The representative engine to be tested from each batch of engines installed must have the most operating hours since an engine of that batch was last tested.

d. The following procedures must be used for each test for the engines required by Condition 4.b and 4.c unless an alternate method is proposed by the Permittee and approved in writing by Ecology prior to the test:

i. Periodic emissions testing should be combined with pre-scheduled maintenance testing and annual load bank testing. Additional operation of the engines for the purpose of emissions testing beyond the operating hour and fuel consumption limits authorized by this Order may be allowed by Ecology upon request.

ii. For the five load tests, testing must be performed at each of the five engine torque load levels described in Appendix II to 40 C.F.R. Part 1039, and data must be reduced to a single-weighted average value using the weighting factors specified in Appendix II. The Permittee may replace the dynamometer requirement in Subpart F of 40 C.F.R. Part 1039 with corresponding measurement of gen-set electrical output to derive torque output.

iii. For all tests, the F-factor described in Method 19 must be used to calculate exhaust flow rate through the exhaust stack, except that EPA Method 2 must be used to calculate the flow rate for purposes of particulate testing (Method 2 is not required if 40 C.F.R. 1065 is used). Fuel meter data measured according to Condition 4.f must be included in the test report, along with the emissions calculations.

iv. Three test runs must be conducted for each engine, except as allowed by the sampling protocol from 40 C.F.R. 1065. Each run must last at least 60 minutes except as allowed by the sampling protocol from 40 C.F.R. 1065. Source test analyzers and engine control unit data must be recorded at least once every minute during the test. Engine run time and torque output (measured kWe to convert to torque) and fuel usage must be recorded during each test run for each load and must be included in the test report.

v. In the event that any stack test indicates non-compliance with the emission limits in Condition 5, Table 3 the Permittee must repair or replace the engine and repeat the test on the same engine plus two additional engines from the same phase of installation as the engine showing non-compliance. Test reports must be submitted to Ecology within 60 days of the final day of testing. Test reports must be submitted to the address in Condition 7.

vi. For the gaseous pollutants (NO_x, CO, and NMHC), the Permittee may propose using a portable emissions instrument analyzer for subsequent rounds of periodic source testing if initial testing of engines show compliance with each of the emission limits referenced in Condition 5, Table 3. The use of an analyzer and the analyzer model must be approved in writing by Ecology prior to testing. The analyzer must be calibrated using EPA Protocol 1 gases according to the procedures for drift and bias limits outlined in EPA Methods 7E and Method 10. Alternate calibration procedures may be approved in advance by Ecology.

e. Each engine must be equipped with a properly installed and maintained non-resettable meter that records total operating hours.

f. Each engine must be connected to a properly installed and maintained fuel flow monitoring system that records the amount of fuel consumed by the engine during each operation.

5. Emission Limits

The 40 2.5 MWe (3633 bhp) engines, four 1.5 MWe (2,206 bhp) engines, and two 350 kWe (539 bhp) engines must meet the follow emission rate limitations:

a. To demonstrate compliance with the following emission limits through stack testing, the Permittee must conduct exhaust stack testing and averaging of emission rates for five individual operating loads (10 percent, 25 percent, 50 percent, 75 percent, and 100 percent) according to 40 C.F.R. §1039, Appendix II, 40 C.F.R. Part 1039, Subpart F, and/or 40 C.F.R. Part 60, Subpart IIII, or any other applicable EPA requirement in effect at the time the engines are installed.

Table 3: Emission Limitations and Testing Requirements

Generator Engines	Pollutant	Test Method*	Emission Limits
2.5 MWe (2.709 MWm; 3,633 bhp)	PM (filterable)	EPA Method 5 or alternative method from 40 C.F.R. 1065	0.20 g/kWm-hr
2.5 MWe (2.709 MWm; 3,633 bhp)	NMHC and NOx	EPA Method 7E, 25A and 18 or alternative method from 40 C.F.R 1065	6.4 g/kWm-hr
2.5 MWe (2.709 MWm; 3,633 bhp)	CO	EPA Method 10, or alternative method from 40 C.F.R. 1065	3.5 g/kWm-hr
1.5 Mwe (1.645 MWm; 2,206 bhp); **350 kWe** (402 kWm; 539 bhp)	PM (filterable)	EPA Method 5 or alternative method from 40 C.F.R. 1065	0.03 g/kWm-hr
1.5 Mwe (1.645 MWm; 2,206 bhp); **350 kWe** (402 kWm; 539 bhp)	NOx	EPA Method 7E or alternative method from 40 C.F.R 1065	0.67 g/kWm-hr
1.5 Mwe (1.645 MWm; 2,206 bhp); **350 kWe** (402 kWm; 539 bhp)	NMHC	EPA Method 25A and 18 or alternative method from 40 C.F.R 1065	0.70 g/kWm-hr
1.5 Mwe (1.645 MWm; 2,206 bhp); **350 kWe** (402 kWm; 539 bhp)	CO	EPA Method 10, or alternative method from 40 C.F.R. 1065	3.5 g/kWm-hr

Generator Engines	Pollutant	Test Method*	Emission Limits
1.5 Mwe (1.645 MWm; 2,206 bhp)	Ammonia	BAAQMD Method ST-1B or EPA CTM-027; or alternative method suitable for use with 40 C.F.R. 1065 (100% -load +/- 2%)	0.17 lb/hr
350 kWe (402 kWm; 539 bhp)	Ammonia	BAAQMD Method ST-1B or EPA CTM-027; or alternative method suitable for use with 40 C.F.R. 1065 (100% -load +/- 2%)	0.05 lb/hr

*In lieu of these requirements, the Permittee may propose an alternative test protocol to Ecology in writing for approval.

b. Total annual facility-wide emissions must not exceed the 12-month rolling average emissions for PM_{10}, $PM_{2.5}$, CO, NO_X, NMHC, SO_2, DEEP, and NO_2 as listed in Table 4.

Table 4: Criteria Pollutant and Toxic Air Pollutant Emission Limits for Total Facility CO1, CO2, CO3.2, CO9, CO6, CO7, CO8 (Tons/Year)

Pollutant	Annual Emissions
PM smaller than 10 microns in diameter (PM_{10})	14.29
PM smaller than 2.5 microns in diameter ($PM_{2.5}$)[(a)]	6.49
PM2.5/PM10 (Gens Only)	2.99
Carbon monoxide (CO)	6.49
Nitrogen oxides (NO_X)	37.60
NMHC, Volatile organic compound (VOC)	2.42
Sulfur dioxide (SO_2)	0.05
Diesel Engine Exhaust Particulate (DEEP)*	0.61
Nitrogen Dioxide (NO_2)**	3.76
Ammonia	0.023

*All PM emissions from the generator engines are $PM_{2.5}$, and all filterable $PM_{2.5}$ from the generator engines is considered Diesel Engine Exhaust Particulate (DEEP).
** NO_2 is assumed to be equal to 10 percent of the total NOx emitted.

c. Visual emissions from each diesel electric generator exhaust stack must be no more than ten percent, with the exception of a 10-minute period after unit start-up. Visual emissions must be measured by using the procedures contained in 40 C.F.R. 60, Appendix A, Method 9.

6. Operation and Maintenance (O&M) Manuals

A site-specific O&M manual for the facility equipment must be developed and followed. Manufacturers' operating instructions and design specifications for the engines, generators, cooling towers, and associated equipment must be included in the manual. The O&M manual must be reviewed annually and be updated to reflect any modifications of the equipment or its operating procedures. Emissions that result from failure to follow the operating procedures contained in the O&M manual or manufacturer's operating instructions may be considered proof that the equipment was not properly installed, operated, and/or maintained. The O&M manual for the diesel engines and associated equipment must at a minimum include:

a. Manufacturer's testing and maintenance procedures that will ensure that each individual engine will conform to the EPA Tiered Emission Standards appropriate for that engine throughout the life of the engine.

b. Normal operating parameters and design specifications.

c. Operating maintenance schedule.

7. Submittals

All notifications, reports, and other submittals must be sent to:

Washington State Department of Ecology
Air Quality Program
4601 N. Monroe Street
Spokane, WA 99205-1295

Annual reports may also be submitted electronically to: emissions.inventory@ecy.wa.gov

OR AS DIRECTED.

8. Recordkeeping

All records, O&M Manual, and procedures developed under this Order must be organized in a readily accessible manner and cover a minimum of the most recent 60-month period. The following records are required to be collected and maintained.

a. Fuel receipts with amount of diesel and sulfur content for each delivery to the facility.

b. Annual hours of operation for each diesel engine.

c. Annual number of start-ups for each diesel engine.

d. Annual gross power generated by facility-wide operation of the emergency backup electrical generators.

e. Upset condition log for each engine and generator that includes date, time, duration of upset, cause, and corrective action.

f. Recordkeeping required by 40 C.F.R. Part 60 Subpart IIII.

g. Air quality complaints received from the public or other entity, and the affected emissions units.

9. Reporting

a. The serial number, manufacturer make and model, and standby capacity for each engine and the generator, and the engine build date must be submitted prior to installation of each engine.

b. The following information will be submitted to Ecology at the address in Condition 7 above by January 31 of each calendar year.

i. Monthly rolling annual total summary of air contaminant emissions, monthly rolling hours of operation with annual total, and monthly rolling gross power generation with annual total.

ii. Written notification that the O&M manual has been developed and updated. For new generator engines being installed, the O&M manual must be developed prior to the transfer of the engines to the Permittee for operational use.

c. Any air quality complaints resulting from operation of the emissions units or activities must be promptly assessed and addressed. A record must be maintained of the Permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. Ecology must be notified within three days of receipt of any such complaint.

d. The Permittee must notify Ecology within 60 days (or longer as approved by Ecology of the following events:

i. Changes in operation contrary to information submitted in the NOC application.

ii. Discontinued operations of facility. This notification must include a shutdown status maintenance plan containing the following information, at a minimum:

A. Maintenance that will be performed during the shutdown to allow startup in a timely manner with minimum amount of work and emissions, (allowable emission levels as of the date of shutdown cannot increase upon reopening).

iii. Reactivating the facility following discontinued operations of 18 months or more. This notification must include a start-up plan containing the following information, at a minimum:

A. Documentation that the shutdown maintenance was performed during shutdown to allow startup in a timely manner with minimum amount of work and emissions (allowable emissions levels as of the date of shutdown cannot increase upon reopening).

B. Documentation of testing performed which demonstrates that units are still able to meet the parameters of this approval order after being inactive, or other documentation which demonstrates why testing is not necessary.

e. The Permittee must notify Ecology within one business day of nonroad engines being brought on site for temporary replacement of a permitted engine.

10. Stack Testing

Any emission testing performed to verify conditions of this Approval Order or for submittal to Ecology in support of this facility's operations must be conducted as follows:

a. At least 30 days in advance of such testing, the Permittee must submit a testing protocol for Ecology approval that includes the following information:

i. The location and Unit ID of the equipment proposed to be tested.

ii. The operating parameters to be monitored during the test and the personnel assigned to monitor the parameters during the test.

iii. A description of the source including manufacturer, model number and design capacity of the equipment, and the location of the sample ports or test locations.

iv. Time and date of the test and identification and qualifications of the personnel involved.

v. A description of the test methods or procedures to be used.

b. Test Reporting: test reports must be submitted to Ecology within 60 days of completion of the test and must include, at a minimum, the following information:

i. A description of the source including manufacturer, model number and design capacity of the equipment, and the location of the sample ports or test locations.

ii. Time and date of the test and identification and qualifications of the personnel involved.

iii. A summary of results, reported in units and averaging periods consistent with the applicable emission standard or limit.

iv. A summary of control system or equipment operating conditions.

v. A summary of production related parameters.

vi. A description of the test methods or procedures used including all field data, quality assurance/quality control procedures and documentation.

vii. A description of the analytical procedures used including all laboratory data, quality assurance/quality control procedures and documentation.

viii. Copies of field data and example calculations.

ix. Chain of custody information.

x. Calibration documentation.

xi. Discussion of any abnormalities associated with the results.

xii. A statement signed by the senior management official of the testing firm certifying the validity of the source test report.

11. General Conditions

a. **Activities Inconsistent with this Order** – Any activity undertaken by the Permittee, or others, in a manner that is inconsistent with the data and specifications submitted as part of the NOC application or this NOC Approval Order, will be subject to Ecology enforcement under applicable regulations.

b. **Availability of Order** – Legible copies of this NOC Approval Order and any O&M manual(s) must be available to employees in direct operation of the equipment described in the NOC application and must be available for review upon request by Ecology.

c. **Compliance Assurance Access** – Access to the source by representatives of Ecology or the United States Environmental Protection Agency (EPA) must be permitted upon request. Failure to allow access is grounds for enforcement action under the federal Clean Air Act or the Washington State Clean Air Act, and may result in revocation of this NOC Approval Order.

d. **Discontinuing Construction** – Approval to construct or modify a stationary source becomes invalid if construction is not commenced within eighteen months after receipt of the approval, or if construction is discontinued for a period of 18 months or more. The permitting authority may extend the 18-month period upon satisfactory showing by the permittee that an extension is justified.

e. **Equipment Operation –** Operation of the facility must be conducted in compliance with all data and specifications submitted as part of the NOC application and in accordance with O&M manuals, unless otherwise approved in writing by Ecology.

f. **Registration** – Periodic emissions inventory and other information may be requested by Ecology. The requested information must be submitted within 30 days of receiving the request, unless otherwise specified. All fees must be paid by the date specified.

g. **Testing** – When information obtained by Ecology indicates the need to quantify emissions, Ecology may require the Permittee to conduct material analysis or air emissions testing under WAC 173-400-105. This testing requirements is in addition to any testing required by Ecology in this Order, other permits, or other state or federal requirements.

h. **Violation Duration** – If the Permittee violates a condition in this NOC Approval Order, testing, recordkeeping, monitoring, or credible evidence will be used to establish the starting date of the violation. The violation will be presumed to continue until testing, recordkeeping, monitoring, or other credible evidence indicates compliance. A violation of a condition includes, but is not limited to, failure of air pollution control equipment, failure of other equipment resulting in increased emissions, or a failed source test indicating an exceedance of an emission limit.

i. **Obligations Under Other Laws or Regulations** – Nothing in this NOC Approval Order will be construed so as to relieve the Permittee of its obligations under any state, local, or federal laws or regulations.

j. **Maintaining Compliance** – It must not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the operation in order to maintain compliance with the conditions of this NOC Approval Order.

k. **Visible Emissions** – No visible emissions from the source are allowed beyond the property line, as determined by 40 C.F.R. Part 60, Appendix A, Test Method 22.

l. **Changes in Operations** – Changes in operation, discontinued operation, or inadequate maintenance plans or re-start plans (see “Reporting” requirements), may require a new or amended NOC Approval Order.

Authorization may be modified, suspended, or revoked in whole or part for cause, including, but not limited to, the following:

- Violation of any terms or conditions of this authorization.

- Obtaining this authorization by misrepresentation or failure to disclose full all relevant facts.

The provisions of this authorization are severable and, if any provision of this authorization or application of any provision to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this authorization, must not be affected thereby.

Your Right to Appeal

You have a right to appeal this NOC Approval Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this NOC Approval Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of this NOC Approval Order:

- File your appeal and a copy of this NOC Approval Order with the PCHB (see addresses below). "Filing" means actual receipt by the PCHB during regular business hours as defined in Chapter 371-08-305 WAC and -335. "Notice of appeal" is defined in Chapter 371-08-340 WAC.
- Serve a copy of your appeal and this NOC Approval Order on Ecology by mail, in person or by email (See addresses below).

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Address and Location Information

Filing with the PCHB
For the most current information regarding filing with the PCHB, visit https://eluho.wa.gov/ or call: 360-664-9160.

Service on Ecology

Street Address:
Department of Ecology
Attn: Appeals Processing Desk
300 Desmond Drive SE
Lacey, WA 98503

Mailing Address:
Department of Ecology
Attn: Appeals Processing Desk
PO Box 47608
Olympia, WA 98504-7608

E-mail Address:
Ecologyappeals@ecy.wa.gov

Americans with Disabilities Act Information

Accommodation Requests
To request ADA accommodation including materials in a format for the visually impaired, call Ecology at 360-407-7668 or visit https://ecology.wa.gov/accessibility. People with impaired hearing may call Washington Relay Service at 711. People with speech disability may call TTY at 877-833-6341.

Dated this day of MONTH, 2025, at Spokane, Washington.

Prepared By:

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Jenny Filipy, P.E.
Eastern Regional Office
Department of Ecology
State of Washington

Approved By:

_____
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