



General Order Application: Portable and Stationary Concrete Batch Plants

I. Instructions

This application applies state-wide for facilities under the Department of Ecology's jurisdiction. Fill out the form completely to obtain coverage.

- Read the Asphalt Plant General Order. You can get it online at <https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Air-Quality-permits/Air-quality-general-orders>, or call the appropriate regional office (see below) for a copy.
- Answer all the questions and sign and date the application.
- Enclose manufacturer's specification sheets for the concrete plant. Include baghouse specifications for each baghouse. Each baghouse must have a particle removal efficiency of at least 99.9 percent and must be equipped with a differential pressure gauge to measure pressure drop across the bags.
- Enclose a check to the Department of Ecology for the application fee.
- State Environmental Policy Act (SEPA) Compliance:
 - \$625 application fee** if SEPA review is complete – Include a copy of the final SEPA checklist and SEPA determination (e.g. DNS, MDNS, EIS) with your application.
 - \$981 application fee** if SEPA review is required – If SEPA review has not been conducted, please fill out a SEPA checklist and submit it with your application. You can find a SEPA checklist online at <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance>.

**Department of Ecology
Cashiering Unit
PO Box 47611
Olympia, WA 98504-7611**

For Fiscal Office Use Only: 0299-3030404-B00-216--001--000404

Check the box for the location of your proposal. For assistance, call the appropriate office listed below:

| Check box | County | Regional Office |
|-------------------------------------|--|-----------------|
| <input checked="" type="checkbox"/> | Chelan, Douglas, Kittitas, Klickitat, or Okanogan County Ecology Central Regional Office (509) 575-2490 | CRO |
| <input type="checkbox"/> | Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Stevens, Walla Walla, or Whitman County Ecology Eastern Regional Office (509) 329-3400 | ERO |
| <input type="checkbox"/> | San Juan County Ecology Northwest Regional Office (206) 594-0000 | NWRO |
| <input type="checkbox"/> | For actions taken at Kraft and Sulfite Paper Mills and Aluminum Smelters Only Ecology Industrial Section (360) 407-6900 | IND |
| <input type="checkbox"/> | For actions taken on the US Department of Energy Hanford Reservation Only Ecology Nuclear Waste Program (509) 372-7950 | NWP |

467X2842

SEP 23 2024

II. Company Information

1. Company Name: Mission Construction Inc DBA Gorge Crete
2. Company Mailing Address (street, city, state, zip): _____
3. Company Phone #: 541-806-5970
4. Company Fax #: 866-770-0253
5. Company Contact Person, Title: Bob Breshears Owner
6. Contact Person Phone #: 541-806-5970
7. Contact Person Email Address: bobmcinc@gmail.com

III. Plant Information

A. All Plants

1. Approximately how many cubic yards of concrete do you expect to produce per year? (*Actual annual concrete production cannot exceed 74,500 cubic yards for in-transit mix plants or 246,000 cubic yards for central mix plants.*) 15,000 cubic yards per year
2. Will all cement and supplement silos be controlled by a baghouse? Yes No
3. Will all silos be equipped with a level indicator alarm or level indicator lights? Yes No
4. Will the cement/supplement weigh hopper be enclosed and vented to a baghouse? Yes No
5. Do all silo and dust collection baghouses have a differential pressure gauge that measures the pressure between the inlet and outlet of the baghouse? Yes No
6. Does this concrete batch plant have a fuel-fired water heater or boiler? Yes No
7. Provide manufacturer specification sheets that include model, heat capacity, and fuel type (e.g., natural gas, propane, LPG, diesel) for each unit. Please attach additional sheets if there are more than 2 units:

| Parameter | Combustion Unit 1 | Combustion Unit 2 |
|-----------|------------------------------|-------------------|
| Type | <u>SILOX MODEL W/CL 17PD</u> | |
| Rating | <u>6710,000</u> BTU/hr | _____ BTU/hr |
| Fuel Type | <u>DIESEL</u> | |

B. Central Mix Plants

1. Are you requesting a permit for a Central Mix Concrete Batch Plant? Yes No
2. Will the central mixer be enclosed and vented to a dust collection baghouse? Yes No

C. In-Transit Mix Plants

1. Are you requesting a permit for an In-Transit Mix Concrete Batch Plant? Yes No
2. Will the central mixer be enclosed and vented to a dust collection baghouse? Yes No

D. Stationary Plants

- 1. Are you initially locating the concrete batch plant as a stationary source? Yes No
- 2. Stationary Facility Name: Gorge Crete Batch Plant
- 3. Facility Location: Kreps Rd Dallesport, WA

- 4. County: Klickitat
- 5. Construction Start Date: 10-15-2024
- 6. Total Property Area (Acres) (Plant must be located on at least one acre): 2 acres
- 7. What is the maximum rated hourly plant capacity of your concrete batch plant in tons per hour? (A cubic yard of concrete equals approximately 2 tons) 120 tons per hour
- 8. Power Source (If line power is not used, a separate Notice of Construction air quality permit is required for power generators): Line Power Other (specify) _____
- 9. Is the maximum rated plat capacity greater than 300 tons per hour? Yes No
- 10. Do you anticipate producing more than 15,000 cubic yards of concrete in any consecutive 12 month period? Yes No

NOTE: If you answered yes to question 9 or 10 and your plant is a stationary in-transit mix concrete plant, your truck charging station will need to be shrouded and vented to a dust collection system.

E. Stationary Plants

- 1. Are you initially locating your concrete batch plant as a portable source? Yes No
- 2. Portable Plant Name (A separate application must be filled out for each plant):
VersMix VM1350 Portable Plant
- 3. Plant Operator: Bob Breshears
- 4. Plant Operator's phone number: 5418065970
- 5. Temporary location information (please include information for your next anticipated operating location):
 - a. Quantity of Material to be produced: 15,000 cubic yards
 - b. Intended date of operation: from 11/1/2024 to 10/31/2029
 - c. Site name: Riley Trustee, Patricia County Klickitat County
 - d. Legal description: Quarter W2SW Section 25,26,35,36 Township 2N Range 13E
- 6. Power generators: provide manufacturer's specification information on any power generators listed below. Attach additional sheets if there are more than 4 units
 - a. Power generator 1
 - i. Engine manufacturer: _____
 - ii. Model: _____
 - iii. Year of manufacture: _____

- iv. Serial number: _____
- v. Engine size: _____ bhp
- vi. Max electrical output: _____ kWe
- vii. Height of exhaust stack: _____ feet
- viii. Fuel: _____
- ix. Maximum hourly fuel: _____ gal/hr

b. Power generator 2

- i. Engine manufacturer: _____
- ii. Model: _____
- iii. Year of manufacture: _____
- iv. Serial number: _____
- v. Engine size: _____ bhp
- vi. Max electrical output: _____ kWe
- vii. Height of exhaust stack: _____ feet
- viii. Fuel: _____
- ix. Maximum hourly fuel: _____ gal/hr

c. Power generator 3

- i. Engine manufacturer: _____
- ii. Model: _____
- iii. Year of manufacture: _____
- iv. Serial number: _____
- v. Engine size: _____ bhp
- vi. Max electrical output: _____ kWe
- vii. Height of exhaust stack: _____ feet
- viii. Fuel: _____
- ix. Maximum hourly fuel: _____ gal/hr

d. Power generator 4

- i. Engine manufacturer: _____
- ii. Model: _____
- iii. Year of manufacture: _____
- iv. Serial number: _____
- v. Engine size: _____ bhp
- vi. Max electrical output: _____ kWe
- vii. Height of exhaust stack: _____ feet

- viii. Fuel: _____
ix. Maximum hourly fuel: _____ gal/hr

IV. Signature Block

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this application are true, accurate, and complete.

Printed Name Bob Breshears Title Owner
Signature *Bob Breshears* Date 9.10.2024

To request ADA accommodation, call Ecology at (360) 407-6800, 711 (relay service), or (877) 833-6341 (TTY).

Optional Aggregate Heater, Water Heater, or Chilling System

Sioux Model WHC1.7PD Horizontally Fired Water Heating System

Heat output 1,710,000 BTU/Hr

Max water flowrate 100 GPM @ 34F temperature rise

High efficiency heat exchanger: Three pass 1-1/2" schedule 40 pipe heating coil built to the ASME code section IV and registered with the National Board of boiler and pressure vessel inspectors.

90% efficient heat transfer rate

Oil (diesel) fired power burner

Rugged water pumping system:

Single stage centrifugal pump with 5 HP (3.7 kW) NEMA premium 1.25 service factor TEFC motor and variable frequency drive (VFD)

Inlet Y-strainer with vacuum gauges to assist in determining cleanout requirements

Isolation valves for easy maintenance on heat exchanger for descaling and draining

Inlet and outlet pressure gauges

Control system:

NEMA 4 electrical enclosure with machine disconnect, local emergency stop switch, and touch screen controller

Outlet water temperature control system utilizing variable speed drive pump system

Third party approved control panel to UL508a and CSA C22.2 #286-17

Safety control devices:

Individual coil outlet temperature controls and main outlet manual reset temperature limit (prevents overheating of process fluid)

Individual coil flow switches (prevents dry firing heat exchanger) and ASME relief valve (prevents overpressure condition)

Beckett flame safeguard with status indication, self-diagnostics, and UV flame sensor

Utility Information:

460V/3Ph/60Hz – Operating current 13 amps

230V/3Ph/60Hz – Operating current 25 amps

208V/3Ph/60Hz – Operating current 28 amps

2" NPT water inlet and outlet

3/8" diesel inlet

12" exhaust flue gas connection

12" Motorized Damper

5000 gallon, Vertical Water Tank

Mild steel, square construction

High/mid/low level sensor ports

Inlet/Outlet/Recirculation/Drain ports

Personnel access door

Atmospheric relief vent

Internal support structure

6" base

Internal support structure

8'L x 8'W x 12'H

actual volume (4790 gallon)

2" Water Solenoid Valve

Liquid Level Sensor Switch

2" Check Valve

*EV calibration
PRECAST*