

State of Washington Department of Ecology

Notice of Construction Approval Order

In the matter of approving a) Approval Order Preliminary Determination
 modified air contaminant source) AQPID No. A0210133
 for Connell Sand and Gravel, Inc.)
 – Copp Pit)

Project Summary

Connell Sand and Gravel, Inc., herein referred to as the Permittee, is an existing rock crushing operation located along Copp Road, north of State Route 260, approximately seven miles east of Connell, Washington, in Franklin County.

The Permittee is classified as a true minor source.

The project consists of the permitting of all stationary and portable equipment at Copp Pit and Bauer Sand Pit. For the purposes of this Approval Order, the Copp Pit and Bauer Sand Pit are considered a single operating site. A list of all applicable equipment is listed below in Table One.

Table One. Equipment List

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
1	Dry Scalp	Fisher apron feeder 3'x30' 70 ton	Line	Copp Pit	No
1	Dry Scalp	Fabtech vibratory double griz feeder	Line	Copp Pit	No
1	Dry Scalp	30'x36" conveyor	Line	Copp Pit	No
1	Dry Scalp	421'x30" overland conveyor	Line	Copp Pit	No
1	Dry Scalp	50'x36" conveyor	Line	Copp Pit	No
1	Dry Scalp	JCI 3 deck 5'x16' screen	Line	Copp Pit	No
1	Dry Scalp	25'x48" conveyor	Line	Copp Pit	No
1	Dry Scalp	20'30" agg conveyor	Line	Copp Pit	No
1	Dry Scalp	60'x30" agg wash plant transfer conveyor	Line	Copp Pit	No

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
1	Dry Scalp	15'x30" drain rock conveyor	Line	Copp Pit	No
1	Dry Scalp	50'x30" oversize stockpile conveyor	Line	Copp Pit	No
1	Dry Scalp	15"x24" fines conveyor	Line	Copp Pit	No
1	Dry Scalp	40'x30" fines stockpile conveyor	Line	Copp Pit	No
2	Wash Plant	40 ton surge bin	Line	Copp Pit	No
2	Wash Plant	50'x24" conveyor	Line	Copp Pit	No
2	Wash Plant	100'x24" conveyor	Line	Copp Pit	No
2	Wash Plant	Telsmith 4'x10' single deck wash plant	Line	Copp Pit	No
2	Wash Plant	40 ton agg bin	Line	Copp Pit	No
2	Wash Plant	60'x30" agg conveyor	Line	Copp Pit	No
2	Wash Plant	sand screw	Line	Copp Pit	No
2	Wash Plant	40'x24" conveyor	Line	Copp Pit	No
3	Sand Plant	20 ton feed bon	Line	Copp Pit	No
3	Sand Plant	60'x36" conveyor	Line	Copp Pit	No
3	Sand Plant	JCI 3 deck 20'x6' wet screen	Line	Copp Pit	No
3	Sand Plant	10'x30" conveyor	Line	Copp Pit	No
3	Sand Plant	10'x30" conveyor	Line	Copp Pit	No
3	Sand Plant	40'x30" conveyor	Line	Copp Pit	No
3	Sand Plant	50'x30" conveyor	Line	Copp Pit	No

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
3	Sand Plant	60'x36" conveyor	Line	Copp Pit	No
3	Sand Plant	60"x36" conveyor	Line	Copp Pit	No
3	Sand Plant	Twin trio sand screw	Line	Copp Pit	No
4	Bauer Sand Pit	Metso 3.5 track 2 deck screen unit	Cat C4.4	Bauer Sand Pit	Yes
4	Generator	Cat C4.4 (130 kW)	Diesel, ultra-low sulfur	Portable	Yes
5	Stored/Available	Terex 683 track screen	Deutz BF4M	Copp Pit	Yes
5	Generator	Deutz BF4M (72 kW)	Diesel, ultra-low sulfur	Portable	Yes
6	Portable Crusher	Metso C110 Jaw Crusher	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
6	Portable Crusher	40'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
6	Portable Crusher	50'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
6	Portable Crusher	JCI 3 deck 5'x16' Screen	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
6	Portable Crusher	25'x48" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
6	Portable Crusher	50'x30" hp1 conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
6	Portable Crusher	30'x30" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
7	Portable Crusher	Metso HP300 cone crusher 1	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
7	Portable Crusher	30'x42"conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
7	Portable Crusher	50'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
8	Portable Crusher	Metso HP300 cone crusher 2	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
8	Portable Crusher	30'x42"conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
8	Portable Crusher	50'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
8	Portable Crusher	15'x30"conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
8	Portable Crusher	60'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	Omni 1144 cone crusher	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
9	Portable Crusher	JCI 3 deck 20'x6' screen	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	30'x52" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	15'x24" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	15'x30" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	15'x30" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	45'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	50'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
9	Portable Crusher	40'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	KPI K400 cone crusher	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	30'x42" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
10	Portable Crusher	50'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	50'x30" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	60'x30" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	70'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	45 yard load out bunk	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	35 yard load out bunk	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	10 ton feed supplement bin	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	60'x36" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
10	Portable Crusher	10'x24" conveyor	Cat 3512 & Perkins UCI224E16	Copp Pit	Yes
11	Stored/Available	Universal 30'x70" Jaw crusher	Diesel Generator	Copp Pit	Yes
11	Stored/Available	JCI 3 deck 20'x6' Screen	Diesel Generator	Copp Pit	Yes

Unit No.	Plant/Equipment Type	Equipment	Power Source	Main Quarry	Portable?
11	Stored/Available	additional conveyors (6, 2 per stockpile, 3 piles)	Diesel Generator	Copp Pit	Yes
12	Generator	Cat 3512 (1500 kW)	Diesel, ultra-low sulfur	Copp Pit (Stationary)	Yes
12	Generator	Perkins UCI224E16 (60 kW)	Diesel, ultra-low sulfur	Copp Pit (Stationary)	Yes
13	Generator	Cat 3406 (347 kW, 515 hP)	Diesel, ultra-low sulfur	Portable	Yes
14	Generator	Detroit 200K (275 hP)	Diesel, ultra-low sulfur	Portable	Yes
15	Generator	Detroit 250K (275 hP)	Diesel, ultra-low sulfur	Portable	Yes
16	Generator	Perkins C18 (aka Cat C18) (906 hP)	Diesel, ultra-low sulfur	Portable	Yes
17	Generator	Perkins C18 (aka Cat C18) (906 hP)	Diesel, ultra-low sulfur	Portable	Yes

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 Coverage Order No. 12AQ-EGO462. Coverage Order No. 12AQ-EGO462 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. Operational Limitations

- a. Copp Pit Generators
 - i. The Cat 3512 generator (Unit No. 12) is limited to operating 515 hours per year.
 - ii. The Perkins UCI224E16 generator (Unit No. 12) is limited to operating 200 hours per year.
- b. Stationary Units
 - i. Unit No. 1 must not process more than 267,000 tons of material on a 12-month rolling basis.
 - ii. Unit No. 2 must not process more than 41,000 tons of material on a 12-month rolling basis.
 - iii. Unit No. 3 must not process more than 75,000 tons of material on a 12-month rolling basis.
- c. Portable Units
 - i. Unit No. 4 must not process more than 60,000 tons of material on a 12-month rolling basis.
 - ii. Unit No. 5 must not process more than 60,000 tons of material on a 12-month rolling basis.
 - iii. Units No. 6, 7, 8, 9, 10, and 11 must each not process more than 226,000 tons of material on a 12-month rolling basis.

2. Operating Requirements

- a. All Units
 - i. All rock crushing operations must be located a minimum of 150 feet from the property line of the operating site.
- b. Generators
 - i. Only one generator in Unit No. 12 may operate at a time.
 - ii. Units No. 4, 5, 6, 7, 8, 9, 10, and 11 must not operate at the same location (pit, quarry, or operating site) for more than 365 days at a time.
 - iii. All generators must use ultra-low sulfur diesel with a sulfur content at or below 15 parts per million sulfur.

3. Emission Limits

- a. Visible emissions from any rock crushing operations must not exceed 10 percent opacity, as determined by 40 C.F.R. Part 60, Appendix A, Test Method 9.

- b. There must be no visible emissions from any rock crushing operations at the property boundary, as measured by 40 C.F.R. Part 60, Appendix A, Test Method 22.
- c. Emissions from the Cat 3512 generator (Unit No. 12) must not exceed limits listed in Table Two.

4. Operation and Maintenance

- a. The Permittee must follow all recommended installation, configuration, operation, and maintenance provisions supplied by emission unit and component manufacturers.
- b. An operations and maintenance (O&M) manual must be developed by the Permittee for each emission unit. The manufacturer's instructions may be referenced in the O&M manual.
 - i. The O&M manual must include the following, at a minimum:
 - A. Normal operating parameters for emissions units.
 - B. A maintenance schedule for each emissions unit.
 - C. A description of the monitoring procedures.
 - D. Monitoring and record keeping requirements.
 - ii. The O&M manuals must be developed within 30 days of commencing operation of each emission unit.
- c. Emission units must be operated and maintained in accordance with the O&M manual.
- d. The Permittee must assess all complaints received. The Permittee must initiate corrective action in response to a complaint within three calendar days of receipt of the complaint.

5. Fugitive Dust Control

- a. Reasonable precautions must be taken to prevent fugitive dust from becoming airborne, and the facility must follow a fugitive dust control plan (FDCP) to minimize emissions. The FDCP must be kept up to date and be available to Ecology for review upon request.

6. Monitoring and Recordkeeping

- a. The O&M manual and FDCP must be reviewed annually.
 - i. The date of each review and the person performing each review must be documented in the O&M manual.
 - ii. The O&M manual and FDCP must be updated to reflect any modifications to emission units or operating procedures.
- b. O&M records must be kept on premises in hard copy or readily available on-site electronically.
- c. For all air-quality related complaints, the following records must be kept:

- i. A written record of the complaint received by the Permittee or forwarded to the Permittee.
- ii. The Permittee’s action to investigate the validity of the complaint, any corrective action that was taken in response to the complaint, and the effectiveness of the remedial action.
- d. The date, time, duration, and cause of any periods where control technology equipment is out of service must be documented and maintained.
- e. All data required by this NOC Approval Order must be maintained in a readily retrievable manner for a period of five years and must be made available to authorized representatives of Ecology upon request.
- f. The Permittee must complete any additional monitoring or recordkeeping necessary to determine compliance with the requirements of this NOC Approval Order, as determined by Ecology.

7. Testing

- a. Testing requirements for the Cat 3512 generator (Unit No. 12) in Table 2 are for Particulate Matter (PM), Nitrogen Oxides (NOx), Carbon Monoxide (CO), and Volatile Organic Compounds (VOC). The test methods listed must be used for each test event unless an alternate method is proposed by the Permittee and approved in writing by Ecology prior to the test.

Table Two. Cat 3512 Testing Requirements

Pollutant	Test Method	Emission Limits	Compliance Test Frequency
PM	EPA Method 5, or alternative method from 40 CFR 1065	1.59 lbs/hour	Initial testing
NOx	EPA Method 7E, or alternative method from 40 CFR 1065	29.60 lbs/hour	Initial testing
CO	Method(s) specified in 40 CFR 63, Subpart ZZZZ	23 parts per million by volume dry at 15 percent O2	Every 8,760 hours of operation, or every 3 years, whichever comes first.
VOC	EPA Method 25A and EPA Method 18, or alternative method from 40 CFR 1065	1.84 lbs/hr	Initial testing

- b. If the Cat 3512 generator exceeds the CO limit, the Permittee must take action to reduce CO emissions by 70 percent or more using a form of emission control.

- c. Generator performance testing must occur during normal operating conditions for rock crushing operations.
- d. The Permittee must submit a test plan to Ecology for review and approval at least 60 days prior to source testing. Ecology may require a new protocol for re-test events conducted after a failed source test, when required, and Ecology may approve a shorter timeframe for submission for the re-test protocol. The test plan must include the following information, at a minimum:
 - i. Identification of each emission unit to be tested.
 - ii. The operating parameters to be monitored during the test.
 - iii. A description of the emission units to be tested.
 - iv. The time and date of the proposed source test.
 - v. Identification and qualifications of the source test personnel.
 - vi. A description of the test methods and procedures to be used.
- e. Test reports must be submitted to Ecology within 60 days of completion of the source testing. Test reports must include the following information, at a minimum:
 - i. The information described in Table 2.
 - ii. The information described in the test plan and any subsequent test plan approval letters.
 - iii. Field and analytical laboratory data.
 - iv. Quality assurance/quality control procedures and documentation.
 - v. Analyzer data recorded during the test.
 - vi. A summary of results, reported in units and averaging periods consistent with the applicable emission limit.
 - vii. A summary of control system and equipment operating conditions.
 - viii. Copies of all field data.
 - 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.
 - xiii. Emission calculations.
- f. The Permittee must provide adequate sampling ports, safe sampling platforms, and access to platforms and utilities for sampling and testing, in accordance with 40 C.F.R. 60.8, 40 C.F.R. 63.7(d), and WAC 173-400-105(4).

- g. When information obtained by Ecology indicates the need to quantify emissions, Ecology may require the Permittee to conduct material analysis or air emission testing under WAC 173-400-105. This testing requirement is in addition to any testing required by Ecology in this NOC Approval Order, other permits, or other state or federal requirements.
- h. Alternate test methods and procedures may be proposed by the Permittee for Ecology review; a justification for the change must be included. Proposed alternates must not be utilized unless an approval is issued by Ecology, in writing, prior to the test.

8. Reporting

- a. All notifications, plans, reports, and other submittals must be submitted in a manner approved by Ecology. Submittals must be sent to:
 - Washington State Department of Ecology
 - Air Quality Program
 - 4601 N. Monroe Street
 - Spokane, WA 99205-1295Reports may be submitted electronically to ecyaqciero@ecy.wa.gov
OR AS DIRECTED.
- b. The Permittee must notify Ecology within one business day of the receipt of any complaint.
- c. For all portable operations, the Permittee must notify Ecology at least 10 days prior to beginning operations at a new site. If operations are anticipated past the end date on a previously submitted notification, the Permittee must notify Ecology before the end date listed on the original notification. The following information is required in a relocation or extension notification to Ecology:
 - i. Notification type (new location, revision to existing notification).
 - ii. Contact name, phone number, and email address.
 - iii. NOC Approval Order Number.
 - iv. Unit number and list of equipment.
 - v. Intended dates of operation (start and end dates).
 - vi. Maximum quantity of material to be produced.
 - vii. Operating site name (pit, quarry, etc.).
 - viii. Location information, including:
 - A. County where operations will occur.
 - B. Section, Township, and Range information.

- d. The Permittee must notify Ecology within sixty 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. 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 be able to meet the parameters of this approval order after being inactive, or other documentation which demonstrates why testing is not necessary.

9. 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, must 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 eighteen months or more. The permitting authority may extend the eighteen-month period upon a 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. **Violation Duration** - If the Permittee violates an approval 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 an approval 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.
- h. **Obligations Under Other Laws or Regulations** - Nothing in this NOC Approval Order must be construed so as to relieve the Permittee of its obligations under any state, local, or federal laws or regulations.
- i. **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 operations in order to maintain compliance with the conditions of this NOC Approval Order.
- j. **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 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 Hearings 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 all of 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.
- Serve a copy of your appeal and this NOC Approval Order on Ecology in paper form - by mail or in person (see addresses below). E-mail is not accepted.

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

Address and Location Information

Street Addresses:

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

Pollution Control Hearings Board
1111 Israel Rd SW
STE 301
Tumwater, WA 98501

Mailing Addresses:

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

Pollution Control Hearings Board
PO Box 40903
Olympia, WA 98504-0903

E-mail Address:

Department of Ecology
Not currently available (see WAC 371-08)

Pollution Control Hearings Board
Pchb-shbappeals@elaho.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 on this XX Day of <Month>, 2023.

Prepared by:

Approved by:

David Finley, PE
Commercial Industrial Unit
Air Quality Program
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