

**ATTACHMENT 3 - Puget Sound Clean Air Agency Permit**



# Puget Sound Clean Air Agency

Notice of Construction No. 11175

HEREBY ISSUES AN ORDER OF APPROVAL  
TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. 14103

Date  
NOV 07 2016

To replace an existing plant, construct a new hot mix asphalt (HMA) plant (300 TPH) including: aggregate system (5-bin cold feed, screens, two-bin RAP (recycled asphalt product)/RAS (recycled asphalt shingle) system, belt conveyors, and slat conveyor), counter-flow dryer (aggregate dryer and mixer), 80 MMBtu/hr natural gas-fired burner, 74,092 acfm baghouse, two 200 ton asphalt concrete storage silos, two 30,000 gallon (asphalt cement) storage tanks equipped with passive condensers. This plant is a portable plant.

## APPLICANT

## OWNER

**Lakeside Industries Inc**  
PO Box 7016  
Issaquah, WA 98027

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PO Box 7016  
Issaquah, WA 98027

## INSTALLATION ADDRESS

**Lakeside Industries Inc, 18808 SE 256th St, Covington, WA 98042**

## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Clean Air Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Division of the Puget Sound Clean Air Agency.
2. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.

## NSPS

3. The hot mix asphalt facility is an affected facility under 40 CFR Part 60, Subparts I and A.

## BACT

4. The dryer shall be fired only on natural gas or propane.
5. Particulate matter from the baghouse shall not exceed 0.02 gr/dscf as measured by the average of three 60-minute test using U.S. EPA Method 5 as modified by Puget Sound Clean Air Agency Board Resolution 540 dated August 11, 1983.
6. Opacity from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than 3 minutes during any one hour as measured by WDOE Method 9A.
7. The dryer/mixer shall not emit in excess of 41.0 ppmvd of NOX (corrected to 3% O<sub>2</sub>) when fired on natural gas or propane as determined in accordance with Section 3.07 of PSCAA Regulation I using USEPA reference methods 1, 3A, 4, and 7E from Appendix A of 40 CFR Part 60 by the average of three 60-minute test runs.
8. The dryer/mixer shall not emit in excess of 400.0 ppmvd of CO (corrected to 3% O<sub>2</sub>) when fired on natural gas or propane as determined in accordance with Section 3.07 of PSCAA Regulation I using USEPA

reference methods 1, 3A, 4, and 10 from Appendix A of 40 CFR Part 60 by the average of three 60-minute test runs.

9. Emissions from the asphalt cement storage tanks shall not exceed 0% opacity as determined by WDOE Method 9A, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. Record the date and time period of any asphalt transfer line blowing. During asphalt transfer line blowing the storage tanks shall not exceed 20% opacity for a period or periods aggregating more than 3 minutes during any one hour as measured by WDOE Method 9A.
10. There shall be no visible emissions from the hot mix asphaltic concrete storage silos and drag conveyor.
11. Fugitive emissions from truck loading activity shall not exceed 20% opacity for a period or periods aggregating more than 3 minutes during any one hour as measured by WDOE Method 9A.
12. The combined total recycled asphalt (RA), consisting of recycled asphalt pavement (RAP) plus recycled asphalt shingles (RAS), added to the drum shall not exceed on a 3-hour average hourly basis the greatest total RA percentage by weight used in a passing source test of both conditions 5 and 6 until a new test is conducted.
13. Lakeside Industries shall not use RAS that contains asbestos as defined in Agency Regulation III, Section 4.01(c). Lakeside shall demonstrate that RAS is asbestos free in the following manner:
  - a. Lakeside shall keep on file the safety data sheets (sds) from each supplier of processed RAS.
  - b. Lakeside shall not accept unprocessed RAS onsite for which a safety datasheet is not available.
14. Records of every delivery of RAS shall be maintained confirming the origin, supplier, and amount (mass) of the RAS.

#### SOURCE TESTING

15. Lakeside Industries shall within 30 days after initial startup submit a compliance test plan following Regulation I, Section 3.07. Conduct an initial compliance source test within 60 days after achieving the maximum production rate, but no later than 180 days after initial startup of this plant to verify compliance with Conditions Nos. 3, 5, 6, 7, 8, 9, and 11.
16. Lakeside Industries shall have emissions tested for compliance with Conditions 5, 6, 7, 8, 9, and 11 of this Order no later than 60 months after the most recent compliance test.
17. Lakeside Industries may conduct an emission test as set out in Condition 12 at any time (given notification as required in Regulation I, Section 3.07(b)) for the purposes of setting the RA limit in Condition 12. Lakeside Industries shall submit a compliance test plan with the test notification submitted under Regulation I, Section 3.07(b).
18. During any emission test of dryer emissions required by Conditions 15, 16, and 17, the following operating data shall be recorded during each test run:
  - (a) pressure drop across the baghouse,
  - (b) weight of RAP and RAS used, plus the hourly weight of asphalt produced.
  - (c) hourly and 3-hour average RA (RAP plus RAS ) total percent by weight usage, and
  - (d) natural gas consumption for the dryer.

#### PLANT MAINTENANCE

19. All plant haul roads shall be paved and properly maintained to control fugitive dust.
20. The baghouse shall be equipped with a gauge measuring the pressure drop across the baghouse. The pressure gauge shall be in operation whenever the baghouse is in operation. The pressure gauge shall be marked with the acceptable pressure drop range. The maximum acceptable pressure drop range shall be determined from manufacturer specifications for the bags used in the baghouse. The minimum acceptable pressure drop range shall be determined by the pressure drop recorded when the dryer is operating at minimum operating load with clean bags. The pressure drop observed during the most recent compliance

source test shall fall within the defined acceptable range of pressure drop. The acceptable range and the basis for the range shall be included in the facility Operations and Maintenance plan required by Agency Regulation I, Section 5.05(c).

#### **OPERATIONS AND MAINTENANCE PLAN**

21. For the monitored parameters in Condition 22, Lakeside Industries shall define corrective action trigger levels and corrective actions in the Operations and Maintenance Plan, required by Regulation I, Section 5.05.
22. When operating, Lakeside Industries shall monitor and record the following information:
  - (a) pressure drop across the baghouse, recorded once per day,
  - (b) inspection for visible emissions (including fugitive dust) and particulate fallout for the baghouse, silos, conveyors, and asphalt storage tanks, recorded once per day,
  - (c) hourly weight of RA (RAP plus RAS) used, plus the hourly weight of asphalt produced.
  - (d) hourly and 3-hour average RA (RAP plus RAS ) total percent by weight usage, and
  - (e) annual (12 consecutive months rolling total) asphalt production.
  - (f) monthly natural gas/propane consumption for the dryer.

#### **ANNUAL PRODUCTION LIMITATION**

23. Within 90 days of annual asphalt production from the facility exceeding 500,000 tons per year as a 12 consecutive months rolling total, the facility shall provide to the Agency a dispersion modeling analysis for particulate matter that demonstrates that facility emissions of particulate matter will comply with the National Ambient Air Quality Standards.
24. A notification shall be sent to Puget Sound Clean Air Agency within 30 days following any month when the 12 consecutive months rolling total exceeds 500,000 tons per year of asphalt production.

#### **EMISSION LIMITATION**

25. Lakeside Industries shall limit the facility-wide emissions of carbon monoxide to less than 99.0 tons during any during any 12 consecutive months after the date of this Order.
26. Within 30 days of the end of each month, Lakeside Industries shall calculate the facility-wide carbon monoxide emissions for the previous 12 months using the monthly natural gas usage and either the BACT emission limit in Condition 8 or the results of the most recent carbon monoxide emission test that shows compliance with the BACT emission limit of Condition 8.
27. Lakeside Industries shall notify the Puget Sound Clean Air Agency in writing, within 30 days after the end of each 12-month period if, during that period, emissions of CO exceed 90 tons. The report shall include emissions data for the time period for which these thresholds were exceeded.

#### **COMPLAINTS**

28. Lakeside Industries shall establish a complaint response program as part of the O&M Plan. The program shall include a complaint phone line, criteria and methods for establishing whether Lakeside Industries may be the source of emissions related to the complaint, and a format for communicating results of investigation and advising complainants of Lakeside Industries corrective actions.
  - (a) Lakeside Industries shall record and investigate complaints received regarding air quality as soon as possible, but no later than one working day after receipt.
  - (b) Lakeside Industries shall correct any problems identified by these complaint investigations within 24 hours of identification.
  - (c) Records of all complaints received regarding air quality issues shall include information regarding date and time of complaint; name and address of complainant (if known); nature of the complaint; investigation efforts completed and basis for conclusion reached; and date, time, and nature of any corrective action taken.

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## RECORDS

29. Lakeside Industries shall maintain written records required by this Order of Approval, as well as the written records identified in the Operation and Maintenance Plan required by Regulation I, Section 5.05, on site. Additionally, Lakeside Industries shall retain these records for at least two years and make them available to Puget Sound Clean Air Agency personnel upon request.
30. This Order of Approval takes effect upon its issuance date. Upon startup of the dryer, this Order of Approval cancels and supersedes Orders of Approval Nos. 2358 dated April 12, 1982, 5288 dated January 13, 1994, and 8487 dated June 12, 2001.

## APPEAL RIGHTS

Pursuant to Puget Sound Clean Air Agency's Regulation I, Section 3.17 and RCW 43.21B.310, 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 Puget Sound Clean Air Agency within 30 days of the date the applicant receives this Order.

  
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Brian Renninger  
Reviewing Engineer

  
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Carole Cenci  
Compliance Manager