

Puget Sound Clean Air Agency



Notice of
Construction No. 9727

Registration No. 29147

Date
SEP 12 2008

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

30,000 tons per year Aerated Static Pile Composting System for Yard and Food Waste, with a tipping building controlled by a 2000 cfm biofilter, and a 5,200 cfm biofilter for control of odors from the compost.

APPLICANT

**Cheri Eaton
Emu Topsoil
22244 Port Gamble Rd
Poulsbo, WA 98370**

OWNER

**Emu Topsoil
22244 Port Gamble Rd
Poulsbo, WA 98370**

INSTALLATION ADDRESS

Emu Topsoil, 7990 NE Ecology Rd, Kingston, WA, 98342

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.
3. Facility Wide Inspections - Fugitive Dust
 - (a) EMU Topsoil shall conduct site-wide inspections of the property and the adjacent streets daily to identify:
 - (1) Precautions being taken with respect to material handling operations to minimize fugitive dust; and
 - (2) Precautions being taken with respect to vehicle movement and pad/road maintenance operations, to minimize fugitive dust; and
 - (3) Precautions being taken with respect to spillage of materials on traffic routes; and
 - (4) Prevention and removal of evidence of track out, originating from the facility.
 - (b) EMU Topsoil shall document the results of each inspection, to include the corrective action taken (along with date and time) in response to observations which are inconsistent with respect to the facility O&M Plan or Puget Sound Clean Air Agency regulations.
 - (c) EMU Topsoil shall, as soon as possible, but no later than one calendar day after identification, correct any compliance problems identified during this inspections.
4. Facility Wide Inspections - Odor

Order of Approval for NC No. 9727

SEP 12 2008

- (a) EMU Topsoil shall conduct inspections of the property daily to ensure that all tipping building activities and aerated static piles are operating in good working order to minimize the generation or release of odors, and to ensure that the capture and control systems for the tipping building and aerated static piles are operating properly.
- (b) EMU Topsoil shall document the results of each inspection, to include the corrective action taken (along with date and time) in response to potential compliance problems as identified in this condition and in response to operational practices which are inconsistent with respect to the O&M Plan or Puget Sound Clean Air Agency regulations.
- (c) EMU Topsoil shall, as soon as possible but no later than one calendar day after identification, correct any potential compliance problems identified during these inspections. Such corrective actions shall include (but are not limited to) aeration equipment repair, the repair or rebuilding of the biofilter, or the removal of standing water.

5. Tipping Building Feedstock Processing and Initial Compost Placement

- (a) With the exception of stumps, brush, clean wood, and land clearing debris, all material brought on site as composting feedstock is defined as Compostable Waste Material. All Compostable Waste Material brought on site shall be deposited completely inside the tipping building until processed.
- (b) All Compostable Waste Material shall be premixed for composting before leaving the tipping building. Once mixed and placed on a composting pad the material is defined as Actively Composting Material.
- (c) At the end of each workday, all received Compostable Waste Material on site shall be stored in the tipping building, and all Actively Composting Material on site shall be stored in the aerated static piles.

6. Aerated Pile Composting System

- (a) All Actively Composting Materials shall remain under aeration, except during inter-phase movement.
- (b) The temperature monitoring parameters which would indicate that the active composting phase is sufficiently complete shall be established by EMU Topsoil, and identified in the O&M plan for the facility.
- (d) If temperature monitoring data for each Aerated static pile indicates that composting is not sufficiently completed, the pile shall remain in place under aeration until the temperature data indicates the active composting phase is complete. The addition of moisture, bulking material, or turning/mixing is allowed to encourage continued composting.
- (e) Temperature monitoring data and composting parameters for each Aerated static pile shall be recorded and retained for up to 2 years. That data shall be available to Agency personnel upon request.

7. Wood , Other Carbon Amendments, Overs and Finished Compost - Grinding, Reclamation, Screening and Storage

- (a) EMU Topsoil may grind stumps, brush, finished compost "overs", and clean wood in a grinder not installed in the tipping building.
- (b) EMU Topsoil shall install and properly operate a fine water mist system on any wood grinder to control fugitive dust.
- (c) EMU Topsoil shall not exceed 10% opacity for any air contaminant for a period or periods aggregating more than 3 minutes in any 1 hour from the grinders and screening equipment as measured by WDOE Method 9A.

Order of Approval for NC No. 9727

SEP 12 2008

8. Leachate Control and Use: EMU Topsoil shall route standing water and water runoff from the tipping building and the compost pads to the leachate collection and treatment system. Leachate (treated or untreated) from the compost facility shall not be used for dust suppression, but may be used for moisture addition during feedstock preparation or moisture addition during the composting process.

9. Complaints

(a) EMU Topsoil shall establish a meteorology station capable of measuring and recording temperature, wind speed, and wind direction.

(b) EMU Topsoil 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 EMU Topsoil may be the source of emissions related to the complaint, and a format for communicating results of investigation and advising complainants of EMU Topsoil's corrective actions.

(c) EMU Topsoil shall record and investigate complaints received regarding air quality as soon as possible, but no later than one working day after receipt.

(d) EMU Topsoil shall correct any problems identified by these complaint investigations within 24 hours of identification.

(e) 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.

(f) Records of all complaints received regarding air quality issues shall be maintained for up to 2 years and be made available to Agency personnel upon request.

10. Tipping Building Ventilation Performance and Tests

(a) Emissions from the tipping building activities shall be captured and passed through the biofilter. Compliance with the requirement shall be determined by the observation of no visible emissions from the open face of the tipping building during the release of test smoke completed using procedures specified in the approved test plan identified in Condition No. 10(c) of this Order. EMU Topsoil shall have smoke test kits which are consistent with the approved test procedures and have them available at the facility for that purpose. Tests shall be completed as required below, and at any other time as requested by Agency personnel.

(b) EMU Topsoil shall complete smoke testing for the tipping building ventilation system to demonstrate compliance with Condition No. 10(a) of this Order once each calendar quarter. The test shall be completed with the building open to the maximum extent possible during tipping building operations.

(c) A test plan shall be developed and received by the Agency for review and approval 30 days after acceptance of the first load of post consumer food waste.

(d) The first test for this requirement shall be completed no later than 30 days following approval of the test plan required above.

(e) The first test for this requirement shall satisfy the requirements of Puget Sound Clean Air Agency Regulation I, Section 3.07 regarding test notification.

Order of Approval for NC No. 9727

SEP 12 2008

(f) Each test completed as required in this Condition shall be recorded in a digital video format to document the results of the test.

(g) Any test which does not demonstrate compliance with Condition No. 10(a) shall be identified in the monthly report identified in Condition No. 14 of this Order. Additionally, the date and scope of corrective action taken, along with the date of the subsequent test demonstrating compliance shall also be identified in the monthly report.

11. Tipping Building & Biofilter Review

(a) EMU Topsoil shall have the tipping building and biofilter operations reviewed and audited by an independent third party biannually. This review will be completed to document the on-going performance of the tipping building emission capture system and the biofilter operation. The review shall include, but is not limited to:

- (1) Operational condition and integrity of the exhaust/capture system
- (2) Operational condition and integrity of the biofiltration system
- (3) Adequacy and effectiveness of the system maintenance program and practices
- (4) Repair history and troubleshooting efforts by owner/operator
- (5) Recommendations for continuous improvement of the integrated system operation

(b) The first biannual review required by this condition shall be completed no later than the first full calendar quarter following approval of this Order.

(c) Each biannual review report shall be submitted to the Agency within 90 days of the review.

12. Recordkeeping Requirements:

(a) All records of observations and supporting documentation, which are required by this Order, shall be completed contemporaneously and no later than the end of each day. Each inspection and observation required on a daily basis by this Order shall be completed for each operational day for the site. An operational day is defined as any day Compostable Waste Material, Actively Composting Material, or finished compost is handled onsite.

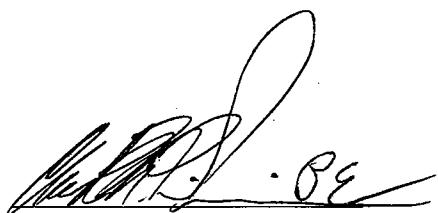
(b) All records and documentation which are required by this Order shall be maintained onsite for two years, and made available to Agency representatives upon request.

APPEAL RIGHTS

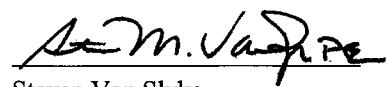
Pursuant to Puget Sound Clean Air Agency's Regulation I, Section 3.17 and RCW 43.21B.310, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, a written notice of appeal must be filed with the PCHB and a copy served upon Puget Sound Clean Air Agency within 30 days of the date the applicant receives this Order.

Order of Approval for NC No. 9727

SEP 12 2008



Claude Williams
Reviewing Engineer
ns



Steven Van Slyke
Supervising Engineer