

Beans & Leaves, Inc.  
dba Full City Coffee Roasters  
Permit No. 200573  
Expiration Date: May 22, 2008

**Lane Regional Air Pollution Authority**

1010 Main Street, Springfield, Oregon 97477

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**AIR CONTAMINANT DISCHARGE PERMIT (ACDP)**

Issued in accordance with provisions of Title 34, Lane Regional Air Pollution Authority's Rules and Regulations, and based on the land use compatibility findings included in the permit record.

<u>Issued To:</u> <b>Beans &amp; Leaves, Inc.</b> <b>dba Full City Coffee Roasters</b> 3850 Janisse Street Eugene, Oregon 97402	<u>Land Use Compatibility Statement:</u> From: City of Eugene Dated: January 13, 2003
<u>Mailing Address:</u> 132 East Broadway, #220 Eugene, Oregon 97401	<u>Fee Basis:</u> Table A, Part II, 9.(a) Coffee Roasting, less than 30 tons/year roasted product
<u>Permit Number:</u> 200573 <u>Permit Type:</u> Minimal <u>SIC:</u> 2095 Coffee Roasting <u>Date Issued:</u> May 23, 2003 <u>Expiration Date:</u> May 22, 2008	<u>Permitted Sources:</u> 1 Coffee Roaster equipped with afterburner

Issued

By:

Brian L. Jennison, Ph.D., Director

Date:

### Permitted Activities

1. Until this permit expires or is revoked, the permittee is herewith allowed to discharge exhaust gases containing contaminants only in accordance with the permit application and the requirements, limitations, and conditions contained in this permit. This specific listing of requirements, limitations, and conditions does not relieve the permittee from complying with all other rules of Lane Regional Air Pollution Authority (LRAPA).

### Emission Unit Identification

2. The emission unit regulated by this permit is one (1) coffee roaster equipped with an afterburner.

### Emission Limitations

3. Particulate matter (PM) emissions from any air contaminant source, other than fugitive emission sources, shall not exceed 0.1 grains per dry standard cubic foot of exhaust gases. [LRAPA 32-015(2)]
4. Visible emissions shall not equal or exceed 20% opacity for a period aggregating more than three (3) minutes in any one (1) 60-minute period, as measured by an applicable EPA Method. [LRAPA 32-010(b)]

### Operation and Maintenance Requirements

5. Within 120 days of issuance of this permit, gas effluents from roasters and cooling trays shall be exhausted to an afterburner. Process afterburners shall be maintained at a temperature of 1,400<sup>E</sup> F for at least a 0.5-second residence time unless gas effluents are controlled in another manner determined by LRAPA to be equally or more effective. (OAR 340-226-0120)
6. Within 120 days of issuance of this permit, the permittee shall operate, calibrate, and maintain a device to monitor the temperature in the afterburner final combustion chamber. The monitoring system shall be installed and operated in accordance with the manufacturer's instructions. The temperature measurement device shall be equipped with a recording device so that a permanent continuous record is produced. The continuous temperature monitor and all associated equipment shall be calibrated at least once per year. (OAR 340-226-0120)

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Plant Site Emission Limits (PSEL)

7. Plant site emissions shall not exceed the following:

Pollutant	Limit Units (tons/year)
PM	24
PM <sub>10</sub>	14
NO <sub>x</sub>	39
VOC	39
CO	99

The annual plant site emission limits apply to any 12-consecutive-calendar-month period.

PSEL Compliance Monitoring

8. Compliance with the PSEL is determined for each 12-consecutive-calendar-month period based on the following calculation for each pollutant:

$$E = \frac{(EF \times P) \times CE}{100} \times 2000$$

where,

- E = pollutant emission (tons/yr),
- EF = pollutant emission factor,
- P = process production (tons of coffee roasted), and
- CE = control efficiency.

Emission Factors

9. The permittee shall use the default emission factors provided below for calculating pollutant emissions, unless alternative emission factors are approved by LRAPA. The permittee may request or LRAPA may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by LRAPA.

Emission Device or Activity	Pollutant	Emission Factor (EF)	Emission Factor Units
Roaster	PM	4.2	lbs/ton of coffee roasted
	PM <sub>10</sub>	0.6	lbs/ton of coffee roasted
	VOC	2.6	lbs/ton of coffee roasted
Natural Gas Combustion	NO <sub>x</sub>	100	lbs/10 <sup>6</sup> cubic feet of natural gas burned

Efficiency Control Device

10. The control efficiency attributed to a Direct-flame Afterburner is:

Control Device	Pollutant	Control Efficiency
Direct-flame Afterburner	PM/PM <sub>10</sub>	60%
	VOC	95%

Record Keeping Requirements

11. The permittee shall monitor and maintain records of the operation and maintenance of the plant and associated air contaminant control device as follows:

- \$ amount of product roasted (tons per month),
- \$ amount of natural gas used (cubic feet per month), and
- \$ temperature in the afterburner combustion chambers (°F continuously).

12. The permittee shall maintain all records associated with continuous monitoring data including, but not limited to, original data sheets, charts, calculations, calibration data, production records and final reports related to the operation and maintenance of the

plant and associated air contaminant control devices.

13. The permittee shall maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated with the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.
14. Unless otherwise specified, all records shall be maintained on site for a period of two (2) years and made available to LRAPA upon request.

### Reporting Requirements

15. The permittee shall submit to LRAPA by **February 15** of each year this permit is in effect, a copy of the following information for the prior calendar year:
  - a. Operating parameters:
    - i. Amount of product roasted (tons per calendar year),
    - ii. Highest amount of product roasted (tons per 12-month period), and
    - iii. Amount of natural gas used (therms or cubic feet per 12-month period);
  - b. Records of all planned and unplanned excess emissions events;
  - c. Summary of air quality related complaints received by permittee;
  - d. List of permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions; and
  - e. List major maintenance performed on pollution control equipment.

### Fee Schedule

16. In accordance with adopted regulations, the permittee will be invoiced a minimum of once every five (5) years for the Compliance Determination Fee and once every five (5) years for the Permit Renewal Fee. [LRAPA 34-150]

**ALL INQUIRIES AND NOTICES REGARDING THIS PERMIT SHOULD BE DIRECTED TO:**

Lane Regional Air Pollution Authority  
1010 Main Street  
Springfield, OR 97477

(541) 736-1056

JM/bp  
5/22/03

## **GENERAL PERMIT CONDITIONS**

### General Conditions and Disclaimers

- G1. A copy of the permit application and this Air Contaminant Discharge Permit (ACDP) must be available on site for inspection upon request.
- G2. The permittee shall allow the Director or his/her authorized representatives access to the plant site and pertinent records at all reasonable times for the purpose of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant discharge records and otherwise conducting necessary functions related to this permit in accordance with ORS 468.095.  
[LRAPA 13-020(1)(h)]
- G3. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

### Performance Standards and Emission Limits

- G4. The permittee shall not cause or permit the emissions of any particulate matter which is greater than 250 microns in size if such particulate matter does or will deposit upon the real property of another person. [LRAPA 32-055]
- G5. The permittee shall not discharge from any source whatsoever such quantities of air contamination which cause injury, detriment, public nuisance or annoyance to any persons or to the public or which cause injury or damage to business or property; such determination to be made by the authority. [LRAPA 32-090(1)]
- G6. The permittee shall not cause or permit emission of water vapor if the water vapor causes or tends to cause detriment to the health, safety or welfare of any person or causes, or tends to cause damage to property or business. [LRAPA 32-090(2)]
- G7. The permittee shall not willfully cause or permit the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminants emitted, conceals emissions of air contaminants which would otherwise violate LRAPA rules. [LRAPA 33-030(1)]
- G8. The permittee shall not cause or permit the installation or use of any device or use of any means designed to mask the emissions of an air contaminant which causes or tends to cause detriment to health, safety or welfare of any person. [LRAPA 33-030(2)]
- G9. The permittee shall not allow any materials to be handled, transported, or stored; or a building, its appurtenances or road(s) to be used, constructed, altered, repaired, or

demolished; or any equipment to be operated, without taking reasonable precautions to prevent particulate matter from being airborne. [LRAPA 48-015(2)]

- G10. The permittee shall not cause or permit the emissions of odorous matter in such a manner as to cause a public nuisance. [LRAPA 49-010(1)]

Excess Emissions: General Policy

- G11. Emissions of air contaminants in excess of applicable standards or permit conditions are considered unauthorized and are subject to enforcement action, pursuant to LRAPA 36-010 and 36-030. These rules apply to any permittee operating a source which emits air contaminants in violation of any applicable air quality rule or permit condition resulting from the breakdown of air pollution control equipment or operating equipment, process upset, startup, shutdown, or scheduled maintenance. [LRAPA 32-001(1)]

Excess Emissions: Notification and Record-keeping

- G12. The permittee must immediately (i.e., as soon as possible, but in no case more than one (1) hour after the beginning of the excess emissions period) notify LRAPA by telephone or in person of all cases of excess emissions due to upset or breakdown. [LRAPA 36-020(1)] Notification shall include:

- a) the source name;
- b) the nature of the emissions problem;
- c) the name of the person making the report;
- d) the name and telephone number of the contact person for further information;
- e) the date and time of the onset of the upset condition;
- f) whether or not the incident was planned;
- g) the equipment involved in the upset or breakdown;
- h) the estimated type and quantity of excess emissions;
- i) the estimated time of return to normal operations;
- j) the efforts made to minimize emissions; and
- k) a description of remedial actions to be taken.

Notification shall be made to the LRAPA office. The current LRAPA telephone number during regular business hours (8 a.m. - 5 p.m., M-F) is (541) 736-1056. During nonbusiness hours, weekends, or holidays, the permittee shall immediately notify LRAPA by calling the LRAPA Upset/Complaint Line. The current number is (541) 726-1930.

Follow-up reporting, if required by LRAPA, shall contain all information required by Condition G15.

- G13. At each reporting period specified in this permit, or sooner if required by the Authority, the permittee shall submit a copy of the upset log entries for the reporting period, as required by Condition G15. [LRAPA 36-025(4)]
- G14. Any excess emissions which could endanger public health or safety shall immediately be reported to the Oregon Emergency Response System (OERS) at 1-800-452-0311.
- G15. The permittee shall keep an upset log of all planned and unplanned excess emissions. [LRAPA 36-025(3) and 36-030(1)] The upset log shall include the following:
- a) the date and time each event was reported to the Authority;
  - b) whether the process handling equipment and the air pollution control equipment were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;
  - c) whether repairs or corrections were made in an expeditious manner when the permittee knew or should have known that emission limits were being or were likely to be exceeded;
  - d) whether the event was one in a recurring pattern of incidents which indicate inadequate design, operation, or maintenance; and
  - e) the final resolution of the cause of the excess emissions.

Upset logs shall be kept by the permittee for two (2) calendar years.  
[LRAPA 36-025(4)]

#### Excess Emissions: Scheduled Maintenance

- G16. Where it is anticipated that shutdown, by-pass, or operation at reduced efficiency of production equipment or air pollution control equipment for necessary scheduled maintenance may result in excess emissions, the permittee must obtain prior Authority approval of procedures that will be used to minimize excess emissions. Application for approval of procedures associated with the scheduled maintenance shall be submitted and received by the Authority in writing at least seventy-two (72) hours prior to the event. [LRAPA 36-015(1)] The application shall include the following:
- a) the reasons explaining the need for maintenance, including why it would be impractical to shut down the source operation during the period, and why the by-pass or reduced efficiency could not be avoided through better scheduling for maintenance or through better operation and maintenance practices;
  - b) identification of the specific production or emission control equipment or system to be maintained;
  - c) the nature of the air contaminants likely to be emitted during the maintenance period, and the estimated amount and duration of the excess emissions, including

measures such as the use of overtime labor and contract services and equipment that will be taken to minimize the length of the maintenance period; and

- d) identification of specific procedures to be followed which will minimize excess emissions.

G17. No scheduled maintenance which is likely to result in excess emissions shall occur during any period in which an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency has been declared, or during an announced "Stage I Red" woodstove advisory period, in areas determined by the Authority as PM<sub>10</sub> Nonattainment Areas. [LRAPA 36-015(4)]

G18. In cases where the Authority has not received notification of scheduled maintenance that is likely to cause excess emissions within the required seventy-two (72) hours prior to the event, or where such approval has not been waived pursuant to LRAPA 36-025(2), the permittee shall immediately notify the Authority by telephone of the situation, and shall be subject to the requirements of Conditions G12 and G13. [LRAPA 36-015(5)]

#### Air Pollution Emergencies

G19. The permittee shall, upon declaration of an air pollution episode, take all actions specified in Tables 1, 2, and 3 of LRAPA's Title 51 (see Attachment A) and shall particularly put into effect the Authority-approved preplanned abatement strategy for such condition, if applicable. [LRAPA 51-015]

#### Notification of Construction/Modification

G20. The permittee shall notify LRAPA in writing and obtain approval in accordance with LRAPA 34-035 before:

- a) constructing or installing any new source of air contaminant emissions, including air pollution control equipment; or
- b) modifying or altering an existing source that may significantly affect the emissions of air contaminants, or
- c) making any physical change which increases emissions; or
- d) changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.

#### Notification of Name Change

G21. The permittee shall notify LRAPA in writing, using an LRAPA Application for

Administrative Amendment to ACDP form, within 60 days after legal change of the registered name of the company with the Corporation Division of the State of Oregon.

Applicable administrative fees must be submitted with an application for the name change.

### Permit Renewal

- G22. Application for renewal of this permit must be submitted not less than 60 days prior to the permit expiration date. A Filing Fee, an Application Processing Fee, and an Annual Compliance Determination Fee must be submitted with the application for the permit renewal. [LRAPA 34-035]
- G23. The procedure for issuance of a permit shall apply to renewal of a permit. If a completed application for a renewal of a permit is filed with the Authority in a timely manner, prior to the expiration date of the permit, the permit shall not be deemed to expire until final action has been taken on the renewal application to issue or deny a permit. [LRAPA 34-130(16)]

### Termination Conditions

- G24. This permit shall be automatically terminated: [LRAPA 34-140(2)]
- a) within sixty (60) days after sale or exchange of the activity or facility which requires a permit;
  - b) upon change of nature of the activities, operations, emissions, or discharges from those of record in the last application;
  - c) within one (1) year after a plant closure lasting continuously for one (1) or more years;
  - c) upon issuance of a new, renewal, or modified permit for the same operation; or
  - e) upon written request of the permittee.
- G25. In the event that it becomes necessary to suspend or terminate this permit due to non-compliance with the terms of the permit, unapproved changes in operation, false information submitted in the application or any other cause, the Authority shall notify the permittee by registered or certified mail of its intent to suspend or revoke the permit. Such notification shall include the reasons for the suspension or revocation. The suspension or revocation shall become effective twenty (20) days from the date of mailing of such notices unless, within that time, the permittee requests a hearing. Such a request for hearing shall be made in writing and shall state the grounds for such a request. [LRAPA 34-140(3)]
- G26. Termination of this permit resulting from continuous plant closure shall subject the source to review as a new non-permitted source upon application to operate the facility. [LRAPA 34-140(4)]
- G27. If the Authority finds that there is a serious danger to the public health or safety or that

irreparable damage to a resource will occur, it may suspend or terminate this permit, effective immediately. Notice of such suspension or termination must state the reasons for such action and advise that the permittee may request a hearing. Such a request for a hearing shall be made in writing within ninety (90) days of the date of the suspension and shall state the grounds for the request. [LRAPA 34-140 (5)]

G28. Any hearing requested shall be conducted pursuant to the rules of the Authority. [LRAPA 34-140(6)]

G29. The permittee shall submit, by April 20 of each year, the emission inventory form provided by the Authority.

DW/bp [revised 10/24/01]