

**Portland Sand & Gravel Company, Inc.**  
**Cumberland County**  
**Gray, Maine**  
**A-354-71-G-A**

**Departmental**  
**Findings of Fact and Order**  
**Air Emission License**  
**Amendment #1**  
**After-the-Fact**

After review of the air emission license application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

A. Introduction

1. Portland Sane & Gravel Compay, Inc. (PS&G) located in Gray, Maine was issued Air Emission License A-354-71-F-R on March 29, 2004, permitting the operation of emission sources associated with their crushed stone and gravel facility.
2. PS&G has requested an amendment to their license in order to add a previously unlicensed crusher to their permit.

B. Emission Equipment

PS&G is licensed to operate the following new equipment:

**Rock Crushers**

<u>Designation</u>	<u>Powered</u>	<u>Process Rate</u> <u>(tons/hour)</u>	<u>Date of</u> <u>Manufacture</u>	<u>Control Device</u>
Secondary #2	Electrical	300	2000	Spray Nozzles

C. Application Classification

The modification of a minor source is considered a major modification based on whether or not expected emission increases exceed the "Significant Emission Levels" as defined in the Department's regulations. The emission increases are determined by subtracting the current licensed emissions preceding the modification from the maximum future licensed allowed emissions. This modification will not increased licensed emissions of regulated air pollutants. This modification is determined to be a minor modification and has been processed as such.

## **II. BEST PRACTICAL TREATMENT**

### A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in Chapter 100 of the Department regulations. Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in Chapter 100 of the Air Regulations. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

### B. Rock Crushers

The Secondary #2 rock crusher is a portable unit which was manufactured in 2000 with a rated capacity of 300 ton/hr. The Secondary #2 rock crusher is therefore subject to EPA New Source Performance Standards (NSPS) Subpart OOO for Nonmetallic Mineral Processing Plants manufactured after August 31, 1983, with capacities greater than 150 tons/hr for portable plants and greater than 25 tons/hr for non-portable plants. An initial performance test, as required by Subpart OOO, was performed on all of PS&G's rock crushers, including Secondary #2, on July 12, 2005.

The regulated pollutant from the Secondary #2 rock crusher is particulate emissions. To meet the requirements of Best Practical Treatment (BPT) for control of particulate matter (PM) emissions from this rock crusher, PS&G shall maintain water sprays on the rock crusher and operate as needed to control visible emissions. Visible emissions from the Secondary #2 rock crusher shall be limited to no greater than 10% opacity on a six (6) minute block average basis.

## **ORDER**

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-354-71-G-A, subject to the conditions found in Air Emission A-354-71-F-R and in the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

**The following shall replace Condition (16) of Air Emission License A-354-71-F-R:**

**(16) Rock Crushers**

- A. PS&G shall maintain spray nozzles for particulate control on Primary #1, Primary #2, Secondary #1, and Secondary #2 rock crushers and operate them as necessary to limit visible emissions to no greater than 10% opacity on a six (6) minute block average basis. [MEDEP Chapters 115 (BPT) and 101]
- B. PS&G shall maintain a log detailing the maintenance on the water spray nozzles. The maintenance log shall be kept on-site at the rock crushing location. [MEDEP Chapter 115, BPT]
- C. PS&G shall maintain a log detailing and quantifying the hours of operation on a daily basis for all of the rock crushers. The operation log shall be kept on-site at the rock crushing location. [MEDEP Chapter 115, BPT]
- D. PS&G shall comply with the requirements of 40 CFR Part 60, Subparts A and OOO for all rock crushers. [MEDEP Chapter 115, BPT and 40 CFR Part 60, Subpart OOO]

**The following shall replace Condition (18) of Air Emission License A-354-71-F-R:**

**(18) Equipment Relocation [MEDEP Chapter 115, BPT]**

- A. PS&G shall notify the Bureau of Air Quality, by a written notification at least 48 hours prior to relocation of any equipment carried on this license. The notification shall be sent to the address below or to a Department Regional Office:

Attn: Relocation Notice  
Maine DEP  
Bureau of Air Quality  
17 State House Station  
Augusta, ME 04333-0017

Equipment relocation notification can also be done on-line with e-notice at [www.maine.gov/dep/air/compliance/forms/relocation](http://www.maine.gov/dep/air/compliance/forms/relocation).

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The notification shall include the address of the equipment's new location, an identification of the equipment and the license number pertaining to the relocated equipment. Written notice may be sent by mail, facsimile (fax), or e-mail.

- B. Written notification shall also be made to the municipality where the equipment will be relocated, except in the case of an unorganized territory where notification will be made to the respective county commissioners.

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2005.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAWN R. GALLAGHER, COMMISSIONER

**The term of this amendment shall be concurrent with the term of Air Emission License A-354-71-F-R.**

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 8/23/05

Date of application acceptance: 8/24/05

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by Lynn Ross, Bureau of Air Quality.