



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE
GOVERNOR

PAUL MERCER
COMMISSIONER

R.S. Pidacks, Inc.
Androscoggin County
Livermore, Maine
A-853-71-F-A (SM)

Departmental
Findings of Fact and Order
Air Emission License
Amendment #2

FINDINGS OF FACT

After review of the air emission license amendment application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes Annotated (M.R.S.A.), §344 and §590, the Maine Department of Environmental Protection (the Department) finds the following facts:

I. REGISTRATION

A. Introduction

R.S. Pidacks, Inc. (RSP) of Livermore, Maine was issued Air Emission License A-853-71-D-R on May 23, 2013, for the operation of emission sources associated with their portable crushed stone and gravel facility. The license was subsequently amended on February 4, 2016 (A-853-71-E-A).

RSP has requested an amendment to their license in order to remove rock crusher Cone C-3 Cedarapids MVP380 from their license and add two new rock crushers, Cone C-6 Cedarapids MVP380 and Cone C-7 Cedarapids MVP380, to their license.

The equipment addressed in this license is located at 1801 Federal Road, Livermore, Maine.

B. Emission Equipment

The following equipment is addressed in this Air Emission License Amendment:

Rock Crushers

Designation	Powered	Process Rate (tons/hour)	Date of Manuf.	Control Device
Cone C-6 Cedarapids MVP380	Diesel G-3	375	2016	Spray Nozzles
Cone C-7 Cedarapids MVP380	Diesel G-3	375	2016	Spray Nozzles

RSP had previously been licensed to operate rock crusher Cone C-3 Cedarapids MVP380 at this facility. This unit has been sold and removed from the site and is hereby removed from this air emission license.

C. Application Classification

The modification of a minor source is considered a major or minor modification based on whether or not expected emissions increases exceed the “Significant Emissions” levels as defined in the Department’s *Definitions Regulation*, 06-096 CMR 100 (as amended). This amendment will not change the facility’s licensed annual emissions; therefore, 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 *Definitions Regulation*, 06-096 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in 06-096 CMR 100 (as amended). BACT is a top-down approach to selecting air emission controls considering economic, environmental, and energy impacts.

B. Rock Crushers

Rock crushers Cone C-6 Cedarapids MVP380 and Cone C-7 Cedarapids MVP380 are portable units which were both manufactured in 2016, each with rated capacities of 375 tons/hr.

1. BACT/BPT Findings

The regulated pollutant from the rock crushers is particulate matter emissions. To meet the requirements of BACT for control of particulate matter emissions from the rock crushers, RSP shall maintain water sprays on the rock crushers and operate as needed to control visible emissions. Visible emissions from the rock crushers shall be limited to no greater than 10% opacity on a six-minute block average basis.

2. New Source Performance Standards

Because rock crushers Cone C-6 Cedarapids MVP380 and Cone C-7 Cedarapids MVP380 are portable, have a rated capacity greater than 150 tons/hour, and were manufactured after August 31, 1983, they are subject to the federal regulation New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*.

Requirements of 40 CFR Part 60, Subpart OOO:

a. Monitoring Requirements:

RSP shall maintain records detailing the maintenance on particulate matter control equipment including spray nozzles. RSP shall perform monthly inspections of any water sprays to ensure water is flowing to the correct locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location. [40 CFR §60.674(b)]

b. Testing Requirements:

- (1) RSP shall conduct initial performance tests on rock crushers Cone C-6 Cedarapids MVP380 and Cone C-7 Cedarapids MVP380 within 60 days after achieving the maximum production rate at which the unit will be operated, but no later than 180 days after initial startup of the unit. If the initial performance tests for a facility falls within a seasonal shutdown, then with approval from the Department, the initial performance test may be postponed until no later than 60 calendar days after resuming operation of the affected equipment. [40 CFR §60.672(b)]
- (2) Each performance test shall be done using the methods set forth in 40 CFR Part 60, Subpart OOO, §60.675. [40 CFR §60.675(c) and 06-096 CMR 115, BACT/BPT]
- (3) RSP shall submit a test notice to the EPA and to the Department's regional inspector at least seven days prior to conducting a performance test. [40 CFR §60.675(g) and 06-096 CMR 115, BACT/BPT]

c. Reporting and Recordkeeping Requirements:

The rock crushers are both subject to 40 CFR Part 60, Subparts A and OOO, and RSP shall comply with the notification and recordkeeping requirements of 40 CFR §60.676 and §60.7, except for Section (a)(2) of 60.7 per Subpart OOO, §60.676(h). [40 CFR §§60.676(b), (f), and (i)]

C. Annual Emissions

This amendment will not affect total licensed annual emissions or greenhouse gas totals.

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 Amendment A-853-71-F-A, subject to the conditions found in Air Emission License A-853-71-D-R, in amendment A-853-71-E-A, and the following condition.

Severability. The invalidity or unenforceability of any provision of this License or part thereof 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.

SPECIFIC CONDITIONS

Specific Condition (16) of Air Emission License Amendment A-853-71-E-A shall be replaced with the following condition:

(16) Rock Crushers (Primary C-1 KPI FT2650, Cone C-2, Jaw C-4, C-5 Cedarapids CRJ3255, Cone C-6 Cedarapids MVP380, and Cone C-7 Cedarapids MVP380)

- A. RSP shall install and maintain spray nozzles for particulate control on each rock crusher and operate them as necessary to limit visible emissions to no greater than 10% opacity on a six-minute block average basis. [06-096 CMR 115, BACT/BPT and 06-096 CMR 101]

- B. RSP shall maintain records detailing and quantifying the hours of operation on a daily basis for each of the rock crushers. The operation records shall be kept on-site at the rock crushing location. [06-096 CMR 115, BACT/BPT]
- C. RSP shall maintain records detailing the maintenance on particulate matter control equipment (including spray nozzles). RSP shall perform monthly inspections of any water sprays to ensure water is flowing to the correct locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location. [06-096 CMR 115, BACT/BPT and 40 CFR §60.674(b)]
- D. RSP shall conduct initial performance tests on Primary C-1 KPI FT2650, Jaw C-4, and C-5 Cedarapids CRJ3255 no later than 30 days after startup in spring 2016. Each performance test shall be done using the methods set forth in 40 CFR Part 60, Subpart OOO, §60.675. [06-096 CMR 115, BACT/BPT and 40 CFR §60.675(c)]
- E. Initial performance tests for Cone C-6 Cedarapids MVP380 and Cone C-7 Cedarapids MVP380 must be completed within 60 days after achieving the maximum production rate at which the unit will be operated, but no later than 180 days after initial startup of the unit. If the initial performance test for a facility falls within a seasonal shutdown, then with approval from the Department, the initial performance test may be postponed until no later than 60 calendar days after resuming operation of the affected equipment. Each performance test shall be done using the methods set forth in 40 CFR Part 60, Subpart OOO, §60.675 [40 CFR §60.672(b), 40 CFR §60.675(c) and 06-096 CMR 115, BACT/BPT]
- F. RSP shall submit a test notice to the EPA and to the regional inspector at least seven days prior to conducting a performance test. [06-096 CMR 115, BACT/BPT and 40 CFR §60.675(g)]

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G. The rock crushers are all subject to 40 CFR Part 60 Subparts A and OOO, and RSP shall comply with the notification and record keeping requirements of 40 CFR Part 60.676 and Part 60.7, except for Section (a)(2) of Part 60.7 per Subpart OOO, §60.676(h). [40 CFR §§60.676(b), (f), and (i)]

DONE AND DATED IN AUGUSTA, MAINE THIS 8 DAY OF July, 2016.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Maure Allen Robert Cone for
PAUL MERCER, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-853-71-D-R.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 4/20/2016

Date of application acceptance: 4/22/2016

Date filed with the Board of Environmental Protection:

This Order prepared by Jonathan E. Rice, Bureau of Air Quality.

