



DEPARTMENT ORDER

**Sargent Corporation
 Penobscot County
 Plymouth, Maine
 A-677-71-H-R (SM)**

**Departmental
 Findings of Fact and Order
 Air Emission License
 Renewal**

FINDINGS OF FACT

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

I. REGISTRATION

A. Introduction

Sargent Corporation (Sargent) has applied to renew their Air Emission License for the operation of their portable crushed stone and gravel facility located at 2363 Moosehead Trail, Plymouth, Maine.

The main office is located at 378 Bennoch Road, Stillwater, Maine.

B. Emission Equipment

The following equipment is addressed in this Air Emission License:

Rock Crushers

| <u>Designation</u> | <u>Powered</u> | <u>Process Rate (tons/hour)</u> | <u>Date of Manuf.</u> | <u>Control Device</u> |
|----------------------------|----------------|-------------------------------------|---------------------------|---------------------------|
| Primary Jaw Crusher #81040 | Generators | 528 | 2016 | Spray Nozzles |
| Cone Crusher #81036 | | 460 | 2014 | Spray Nozzles |

Engines

| <u>Unit</u> | <u>Power Output (kW)</u> | <u>Max. Capacity (MMBtu/hr)</u> | <u>Max. Firing Rate (gal/hr)</u> | <u>Fuel Type, % sulfur</u> | <u>Date of Manuf.</u> |
|-------------------------|----------------------------------|---|--|----------------------------|---------------------------|
| Diesel Unit #1 (#99225) | 725 | 7.3 | 53.5 | Distillate fuel, 0.0015% | 2007 |
| Diesel Unit #4 (#99210) | 285 | 2.8 | 20.5 | | 1984 |

C. Definitions

Distillate Fuel. For the purposes of this license, *distillate fuel* means the following:

- Fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials (ASTM) in ASTM D396;
- Diesel fuel oil numbers 1 or 2, as defined in ASTM D975;
- Kerosene, as defined in ASTM D3699;
- Biodiesel, as defined in ASTM D6751; or
- Biodiesel blends, as defined in ASTM D7467.

Portable Engine. For the purposes of this license, *portable engine* means an internal combustion engine which is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform. This definition does NOT include engines which remain or will remain at a location (excluding storage locations) for more than 12 consecutive months or a shorter period of time for an engine located at a seasonal source. A location is any single site at a building, structure, facility, or installation. Any engine that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period.

D. Application Classification

All rules, regulations, or statutes referenced in this air emission license refer to the amended version in effect as of the issued date of this license.

The application for Sargent does not include the licensing of increased emissions or the installation of new or modified equipment. Therefore, the license is considered to be a renewal of currently licensed emission units only and has been processed through *Major and Minor Source Air Emission License Regulations*, 06-096 Code of Maine Rules (C.M.R.) ch. 115.

With the annual fuel limit on Diesel Units #1 and #4, the facility is licensed as follows:

- As a synthetic minor source of air emissions, because the licensed emissions are below the major source thresholds for criteria pollutants; and
- As an area source of hazardous air pollutants (HAP), because the licensed emissions are below the major source thresholds for HAP.

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 C.M.R. ch. 100. Separate control requirement categories exist for new and existing equipment.

BPT for existing emissions equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;
- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

B. Nonmetallic Mineral Processing Plants

Primary Jaw Crusher #81040, a stationary unit, and Cone Crusher #81036, a portable unit, were manufactured in 2016 and 2014 with rated capacities of 528 tons/hr and 460 tons/hr, respectively. The nonmetallic mineral processing plant also consists of other equipment associated with Primary Jaw Crusher #81040 and Cone Crusher #81036, such as screens and belt conveyors.

1. BPT Findings

The regulated pollutant from nonmetallic mineral processing plants is particulate matter. To meet the requirements of BPT for control of particulate matter emissions, Sargent shall maintain water sprays on the nonmetallic mineral processing plant and operate as needed to control visible emissions.

2. New Source Performance Standards

The federal regulation *Standards of Performance for Nonmetallic Mineral Processing Plants*, 40 C.F.R. Part 60, Subpart OOO, applies to equipment at nonmetallic mineral processing plants with capacities greater than 25 ton/hr for fixed plants and 150 ton/hr for portable plants. The requirements of Subpart OOO apply to any crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, or enclosed truck or railcar loading station at a nonmetallic mineral processing plant greater than the sizes listed above which commenced construction, modification, or reconstruction after August 31, 1983.

Primary Jaw Crusher #81040 and Cone Crusher #81036 are each part of a nonmetallic mineral processing plant with a maximum capacity of greater than 150 ton/hr and were manufactured after August 31, 1983. These crushers are therefore subject to 40 C.F.R. Part 60, Subpart OOO. [40 C.F.R. §§ 60.670(c) and (e)]

Requirements of 40 C.F.R. Part 60, Subpart OOO

a. Standards

Subpart OOO, Table 3 contains applicable visible emission requirements for Primary Jaw Crusher #81040 and Cone Crusher #81036. This equipment is also subject to standards contained in the State rule *Visible Emissions Regulation*, 06-096 C.M.R. ch. 101. The State requirements are determined to be more stringent. Therefore, the visible emission limit for this equipment has been streamlined to the State regulation. Visible emissions from Primary Jaw Crusher #81040 and Cone Crusher #81036 shall each be limited to no greater than 10% opacity on a six-minute block average basis.

Visible emissions from any nonmetallic mineral processing plant equipment, other than rock crushers, (including transfer points on belt conveyors, portable screens, etc.) which commenced construction, modification, or reconstruction, before April 22, 2008, shall not exceed 10% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

Visible emissions from any nonmetallic mineral processing plant equipment, other than rock crushers, (including transfer points on belt conveyors, portable screens, etc.) which commenced construction, modification, or reconstruction, on or after April 22, 2008, shall not exceed 7% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

b. Monitoring Requirements

Sargent shall maintain records detailing the maintenance on particulate matter control equipment including spray nozzles. Sargent 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 C.F.R. § 60.674(b)]

c. Testing Requirements

Subpart 000, § 60.675 requires that Sargent conduct an initial performance test for visible emissions from Primary Jaw Crusher #81040 and Cone Crusher #81036 and from each piece of associated equipment subject to Subpart 000, potentially including any associated grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, and enclosed truck or railcar loading station. The performance tests were completed for Primary Jaw Crusher #81040 and Cone Crusher #81036 on May 25, 2016, and all necessary documentation has been provided to the Department.

d. Reporting and Recordkeeping Requirements

For the rock crushers and ancillary equipment subject to 40 C.F.R. Part 60, Subparts A and 000, Sargent shall comply with the notification and recordkeeping requirements of 40 C.F.R. §§ 60.676 and 60.7, except for § 60.7(a)(2) per 40 C.F.R. Subpart 000, § 60.676(h). [40 C.F.R. §§ 60.676(b), (f), and (i)]

C. Diesel Units #1 and #4

Diesel Units #1 and #4 are both portable engines used to power the rock crushers. Both units will occasionally be moved off-site for use at other Sargent facilities. Diesel Unit #1 has a maximum capacity of 7.3 MMBtu/hr (725 kW) and Diesel Unit #4 has a maximum capacity of 2.8 MMBtu/hr (285 kW), both firing distillate fuel. Diesel Units #1 and #4 were manufactured in 2007 and 1984, respectively.

1. BACT/BPT Findings

The BACT emission limits from A-677-71-F-A (issued May 3, 2016) for Diesel Unit #1 were based on the following:

| | |
|----------------------|---|
| PM, PM ₁₀ | - 0.12 lb/MMBtu from 06-096 C.M.R. ch. 103 § (2.)(B.)(1.)(a.) |
| SO ₂ | - combustion of distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight) |
| NO _x | - 3.2 lb/MMBtu from AP-42, Table 3.4-1, dated 10/96 |
| CO | - 0.85 lb/MMBtu from AP-42, Table 3.4-1, dated 10/96 |
| VOC | - 0.09 lb/MMBtu from AP-42, Table 3.4-1, dated 10/96 |
| Visible Emissions | - 06-096 C.M.R. ch. 115, BACT |

The BPT emission limits for Diesel Unit #4 were based on the following:

| | |
|----------------------|---|
| PM, PM ₁₀ | - 0.12 lb/MMBtu from 06-096 C.M.R. ch. 115, BPT |
| SO ₂ | - combustion of distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight) |
| NO _x | - 4.41 lb/MMBtu from AP-42, Table 3.3-1, dated 10/96 |
| CO | - 0.95 lb/MMBtu from AP-42, Table 3.3-1, dated 10/96 |
| VOC | - 0.35 lb/MMBtu from AP-42, Table 3.3-1, dated 10/96 |
| Visible Emissions | - 06-096 C.M.R. ch. 115, BPT |

The BACT/BPT emission limits for Diesel Units #1 and #4 are the following:

| Unit | Pollutant | lb/MMBtu |
|----------------|-----------|----------|
| Diesel Unit #1 | PM | 0.12 |

| Unit | PM (lb/hr) | PM ₁₀ (lb/hr) | SO ₂ (lb/hr) | NO _x (lb/hr) | CO (lb/hr) | VOC (lb/hr) |
|----------------|------------|--------------------------|-------------------------|-------------------------|------------|-------------|
| Diesel Unit #1 | 0.88 | 0.88 | 0.01 | 23.36 | 6.21 | 0.66 |
| Diesel Unit #4 | 0.34 | 0.34 | 0.01 | 12.35 | 2.66 | 0.98 |

Visible emissions from Diesel Units #1 and #4 shall each not exceed 20% opacity on a six-minute block average basis.

The fuel fired in Diesel Units #1 and #4 combined shall be limited to 60,000 gallons/year on a calendar year total basis of distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight).

2. New Source Performance Standards

Diesel Units #1 and #4 are considered non-road engines, as opposed to stationary engines, since they are both portable and will be moved to various sites with the rock crushers. Therefore, Diesel Units #1 and #4 are not subject to *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*, 40 C.F.R. Part 60, Subpart III. [40 C.F.R. § 60.4200]

3. National Emission Standards for Hazardous Air Pollutants

Diesel Units #1 and #4 are considered non-road engines, as opposed to stationary engines, since both units are portable and will be moved to various sites with the rock crushers. Therefore, Diesel Units #1 and #4 are not subject to *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*, 40 C.F.R. Part 63, Subpart ZZZZ.

The definition in 40 C.F.R. § 1068.30 states that a non-road engine is an internal combustion engine that meets certain criteria, including: “Portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.” 40 C.F.R. § 1068.30 further states that an engine is not a non-road engine if it remains or will remain at a location for more than 12 consecutive months or a shorter period of time for an engine located at a seasonal source. An engine located at a seasonal source (a stationary source that remains in a single location on a permanent basis (i.e., at least two years) and that operates at that single location approximately three months (or more) each year) is an engine that remains at a seasonal source during the full annual operating period of the seasonal source. [40 C.F.R. § 63.6585]

D. Stock Piles and Roadways

Visible emissions from a fugitive emission source (including stockpiles and roadways) shall not exceed 20% opacity, except for no more than five minutes in any one-hour period during which time visible emissions shall not exceed 30% opacity. Compliance shall be determined by an aggregate of the individual fifteen-second opacity observations which exceed 20% in any one hour.

E. General Process Emissions

Visible emissions from any general process (including conveyor belts, transfer points, portable screens, etc.) associated with an NSPS rock crusher shall not exceed 7% opacity on a six-minute block average basis. Compliance with this limit shall be demonstrated by conducting the initial performance test according to 40 C.F.R. §§ 60.11 and 60.675 and periodic inspections of the water sprays according to §§ 60.674(b) and 60.676(b). [40 C.F.R. Part 60, Subpart OOO, Table 3]

Visible emissions from any other general process (non-NSPS crusher conveyor belts, bucket elevators, bagging operations, truck loading operations, portable screens, etc.) shall not exceed 20% opacity on a six-minute block average basis.

F. Annual Emissions

1. Total Annual Emissions

Sargent shall be restricted to the following annual emissions, based on a calendar year total. The tons per year limits were calculated based on a fuel limit of 60,000 gallons per year of distillate fuel for Diesel Units #1 and #4 combined:

Total Licensed Annual Emissions for the Facility
Tons/year
(used to calculate the annual license fee)

| | PM | PM₁₀ | SO₂ | NO_x | CO | VOC |
|------------------|------------|------------------------|-----------------------|-----------------------|------------|------------|
| Diesel Units* | 0.5 | 0.5 | 0.1 | 18.1 | 3.9 | 1.4 |
| Total TPY | 0.5 | 0.5 | 0.1 | 18.1 | 3.9 | 1.4 |

*Based on firing all 60,000 gallons in the highest emitting unit (Diesel Unit #4)

| Pollutant | Tons/year |
|------------------|------------------|
| Single HAP | 9.9 |
| Total HAP | 24.9 |

2. Greenhouse Gases

Greenhouse gases are considered regulated pollutants as of January 2, 2011, through 'Tailoring' revisions made to EPA's *Approval and Promulgation of Implementation Plans*, 40 C.F.R. Part 52, Subpart A, § 52.21, *Prevention of Significant Deterioration of Air Quality* rule. Greenhouse gases, as defined in 06-096 C.M.R. ch. 100, are the aggregate group of the following gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. For licensing purposes, greenhouse gases (GHG) are calculated and reported as carbon dioxide equivalents (CO₂e).

The quantity of CO₂e emissions from this facility is less than 100,000 tons per year, based on the following:

- the facility's fuel use limit;
- worst case emission factors from the following sources: U.S. EPA's AP-42, the Intergovernmental Panel on Climate Change (IPCC), and *Mandatory Greenhouse Gas Reporting*, 40 C.F.R. Part 98; and
- global warming potentials contained in 40 C.F.R. Part 98.

No additional licensing actions to address GHG emissions are required at this time.

III. AMBIENT AIR QUALITY ANALYSIS

The level of ambient air quality impact modeling required for a minor source is determined by the Department on a case-by case basis. In accordance with 06-096 C.M.R. ch. 115, an ambient air quality impact analysis is not required for a minor source if the total licensed annual emissions of any pollutant released do not exceed the following levels and there are no extenuating circumstances:

| Pollutant | Tons/Year |
|------------------|------------------|
| PM ₁₀ | 25 |
| SO ₂ | 50 |
| NO _x | 50 |
| CO | 250 |

The total licensed annual emissions for the facility are below the emission levels contained in the table above and there are no extenuating circumstances; therefore, an ambient air quality impact analysis is not required as part of this license.

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-677-71-H-R, subject to the following conditions.

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.

STANDARD CONDITIONS

- (1) Employees and authorized representatives of the Department shall be allowed access to the licensee's premises during business hours, or any time during which any emissions units are in operation, and at such other times as the Department deems necessary for the purpose of performing tests, collecting samples, conducting inspections, or examining and copying records relating to emissions (38 M.R.S. § 347-C).
- (2) The licensee shall acquire a new or amended air emission license prior to commencing construction of a modification, unless specifically provided for in 06-096 C.M.R. ch. 115. [06-096 C.M.R. ch. 115]
- (3) Approval to construct shall become invalid if the source has not commenced construction within eighteen (18) months after receipt of such approval or if construction is discontinued for a period of eighteen (18) months or more. The Department may extend this time period upon a satisfactory showing that an extension is justified, but may condition such extension upon a review of either the control technology analysis or the ambient air quality standards analysis, or both. [06-096 C.M.R. ch. 115]
- (4) The licensee shall establish and maintain a continuing program of best management practices for suppression of fugitive particulate matter during any period of construction, reconstruction, or operation which may result in fugitive dust, and shall submit a description of the program to the Department upon request. [06-096 C.M.R. ch. 115]
- (5) The licensee shall pay the annual air emission license fee to the Department, calculated pursuant to Title 38 M.R.S. § 353-A. [06-096 C.M.R. ch. 115]
- (6) The license does not convey any property rights of any sort or any exclusive privilege. [06-096 C.M.R. ch. 115]
- (7) The licensee shall maintain and operate all emission units and air pollution systems required by the air emission license in a manner consistent with good air pollution control practice for minimizing emissions. [06-096 C.M.R. ch. 115]
- (8) The licensee shall maintain sufficient records to accurately document compliance with emission standards and license conditions and shall maintain such records for a minimum of six (6) years. The records shall be submitted to the Department upon written request. [06-096 C.M.R. ch. 115]

- (9) The licensee shall comply with all terms and conditions of the air emission license. The filing of an appeal by the licensee, the notification of planned changes or anticipated noncompliance by the licensee, or the filing of an application by the licensee for a renewal of a license or amendment shall not stay any condition of the license. [06-096 C.M.R. ch. 115]
- (10) The licensee may not use as a defense in an enforcement action that the disruption, cessation, or reduction of licensed operations would have been necessary in order to maintain compliance with the conditions of the air emission license. [06-096 C.M.R. ch. 115]
- (11) In accordance with the Department's air emission compliance test protocol and 40 C.F.R. Part 60 or other method approved or required by the Department, the licensee shall:
- A. Perform stack testing to demonstrate compliance with the applicable emission standards under circumstances representative of the facility's normal process and operating conditions:
 - 1. Within sixty (60) calendar days of receipt of a notification to test from the Department or EPA, if visible emissions, equipment operating parameters, staff inspection, air monitoring, or other cause indicate to the Department that equipment may be operating out of compliance with emission standards or license conditions; or
 - 2. Pursuant to any other requirement of this license to perform stack testing.
 - B. Install or make provisions to install test ports that meet the criteria of 40 C.F.R. Part 60, Appendix A, and test platforms, if necessary, and other accommodations necessary to allow emission testing; and
 - C. Submit a written report to the Department within thirty (30) days from date of test completion.
[06-096 C.M.R. ch. 115]
- (12) If the results of a stack test performed under circumstances representative of the facility's normal process and operating conditions indicate emissions in excess of the applicable standards, then:
- A. Within thirty (30) days following receipt of such test results, the licensee shall re-test the non-complying emission source under circumstances representative of the facility's normal process and operating conditions and in accordance with the Department's air emission compliance test protocol and 40 C.F.R. Part 60 or other method approved or required by the Department; and

- B. The days of violation shall be presumed to include the date of stack test and each and every day of operation thereafter until compliance is demonstrated under normal and representative process and operating conditions, except to the extent that the facility can prove to the satisfaction of the Department that there were intervening days during which no violation occurred or that the violation was not continuing in nature; and
- C. The licensee may, upon the approval of the Department following the successful demonstration of compliance at alternative load conditions, operate under such alternative load conditions on an interim basis prior to a demonstration of compliance under normal and representative process and operating conditions.
[06-096 C.M.R. ch. 115]
- (13) Notwithstanding any other provisions in the State Implementation Plan approved by the EPA or Section 114(a) of the CAA, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any statute, regulation, or Part 70 license requirement. [06-096 C.M.R. ch. 115]
- (14) The licensee shall maintain records of malfunctions, failures, downtime, and any other similar change in operation of air pollution control systems or the emissions unit itself that would affect emissions and that is not consistent with the terms and conditions of the air emission license. The licensee shall notify the Department within two (2) days or the next state working day, whichever is later, of such occasions where such changes result in an increase of emissions. The licensee shall report all excess emissions in the units of the applicable emission limitation.
[06-096 C.M.R. ch. 115]
- (15) Upon written request from the Department, the licensee shall establish and maintain such records; make such reports; install, use, and maintain such monitoring equipment; sample such emissions in accordance with such methods, at such locations, at such intervals, and in such a manner as the Department shall prescribe; and provide other information as the Department may reasonably require to determine the licensee's compliance status. [06-096 C.M.R. ch. 115]

SPECIFIC CONDITIONS

(16) Nonmetallic Mineral Processing Plants

- A. Sargent shall maintain spray nozzles for control of particulate matter on the nonmetallic mineral processing plant. [A-677-71-F-A (5/3/2016), BACT]
- B. Sargent shall maintain records detailing and quantifying the hours of operation on a daily basis for Primary Jaw Crusher #81040 and Cone Crusher #81036. The operation records shall be kept on-site at the rock crushing location. [A-677-71-F-A (5/3/2016), BACT]
- C. Visible emissions from Primary Jaw Crusher #81040 and Cone Crusher #81036 shall each be limited to no greater than 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101(2.)(B.)(3.)(b.)]
- D. NSPS Subpart OOO Requirements

Sargent shall comply with all requirements of 40 C.F.R. Part 60, Subpart OOO applicable to Primary Jaw Crusher #81040 and Cone Crusher #81036 and each associated grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, and enclosed truck or railcar loading station.

- 1. Visible emissions from any nonmetallic mineral processing plant equipment, other than rock crushers, (including transfer points on belt conveyors, portable screens, etc.) which commenced construction, modification, or reconstruction, before April 22, 2008, shall not exceed 10% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]
- 2. Visible emissions from any nonmetallic mineral processing plant equipment, other than rock crushers, (including transfer points on belt conveyors, portable screens, etc.) which commenced construction, modification, or reconstruction, on or after April 22, 2008, shall not exceed 7% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

3. Sargent shall maintain records detailing the maintenance on particulate matter control equipment (including spray nozzles). Sargent 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. [A-677-71-F-A (5/3/2016), BACT and 40 C.F.R. § 60.674(b)]
4. For the rock crushers and ancillary equipment subject to 40 C.F.R. Part 60 Subparts A and OOO, Sargent shall comply with the notification and recordkeeping requirements of 40 C.F.R. §§ 60.676 and 60.7, except for § 60.7(a)(2) per §60.676(h). [40 C.F.R. §§ 60.676(b), (f), and (i)]

(17) **Diesel Units #1 and #4**

A. Fuel Use

1. Diesel Units #1 and #4 are licensed to fire distillate fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur by weight). [A-677-71-F-A (5/3/2016), BACT & 06-096 C.M.R. ch. 115, BPT]
2. Total fuel use for Diesel Units #1 and #4 combined shall not exceed 60,000 gal/yr of distillate fuel. Compliance shall be demonstrated by fuel records from the supplier showing the quantity, type, and sulfur content of fuel delivered. Records of annual fuel use shall be kept on a monthly and calendar year total basis. [A-677-71-F-A (5/3/2016), BACT & 06-096 C.M.R. ch. 115, BPT]

B. Emissions shall not exceed the following:

| <u>Unit</u> | <u>Pollutant</u> | <u>lb/MMBtu</u> | <u>Origin and Authority</u> |
|----------------|------------------|-----------------|--|
| Diesel Unit #1 | PM | 0.12 | 06-096 C.M.R. ch. 103 § (2.)(B.)(1.)(a.) |

C. Emissions shall not exceed the following [A-677-71-F-A (5/3/2016), BACT & 06-096 C.M.R. ch. 115, BPT]:

| <u>Unit</u> | <u>PM (lb/hr)</u> | <u>PM₁₀ (lb/hr)</u> | <u>SO₂ (lb/hr)</u> | <u>NO_x (lb/hr)</u> | <u>CO (lb/hr)</u> | <u>VOC (lb/hr)</u> |
|----------------|-----------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------|------------------------|
| Diesel Unit #1 | 0.88 | 0.88 | 0.01 | 23.36 | 6.21 | 0.66 |
| Diesel Unit #4 | 0.34 | 0.34 | 0.01 | 12.35 | 2.66 | 0.98 |

D. Visible Emissions

1. Visible emissions from Diesel Unit #1 shall not exceed 20% opacity on a six-minute block average basis. [A-677-71-F-A (5/3/2016), BACT]
2. Visible emissions from Diesel Unit #4 shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 115, BPT]

(18) Stockpiles and Roadways

Visible emissions from a fugitive emission source (including stockpiles and roadways) shall not exceed 20% opacity, except for no more than five minutes in any one-hour period during which time visible emissions shall not exceed 30% opacity. Compliance shall be determined by an aggregate of the individual fifteen-second opacity observations which exceed 20% in any one hour. [06-096 C.M.R. ch. 115, BPT]

(19) General Process Sources

Visible emissions from any general process (including conveyor belts, transfer points, portable screens, etc.) associated with an NSPS rock crusher shall not exceed 7% opacity on a six-minute block average basis. Compliance with this limit shall be demonstrated by conducting the initial performance test according to 40 C.F.R. §§ 60.11 and 60.675 and periodic inspections of the water sprays according to §§ 60.674(b) and 60.676(b). [40 C.F.R. Part 60, Subpart OOO, Table 3]

Visible emissions from any other general process (non-NSPS crusher conveyor belts, bucket elevators, bagging operations, truck loading operations, portable screens, etc.) shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 115, BPT]

(20) Equipment Relocation [06-096 C.M.R. ch. 115, BPT]

- A. Sargent shall notify the Bureau of Air Quality, by a written notification, prior to relocation of any equipment carried on this license. It is preferred for notice of relocation to be submitted through the Department's on-line e-notice at: www.maine.gov/dep/air/compliance/forms/relocation

Written notice may also be sent by fax (207-287-7641) or mail. Notification sent by mail shall be sent to the address below:

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

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.

- 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 shall be made to the respective county commissioners.
- (21) Sargent shall keep a copy of this Order on site, and have the operator(s) be familiar with the terms of this Order. [06-096 C.M.R. ch. 115, BPT]**

Sargent Corporation
Penobscot County
Plymouth, Maine
A-677-71-H-R (SM)

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Departmental
Findings of Fact and Order
Air Emission License
Renewal

- (22) Sargent shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard [38 M.R.S. § 605].

DONE AND DATED IN AUGUSTA, MAINE THIS 20 DAY OF December, 2017.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Max Allen Robert Cone for
PAUL MERCER, COMMISSIONER

The term of this license shall be ten (10) years from the signature date above.

[Note: If a renewal application, determined as complete by the Department, is submitted prior to expiration of this license, then pursuant to Title 5 M.R.S. § 10002, all terms and conditions of the license shall remain in effect until the Department takes final action on the license renewal application.]

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: June 8, 2017

Date of application acceptance: June 14, 2017

Date filed with the Board of Environmental Protection:

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

