



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017

DEPARTMENT ORDER

Senior Operations LLC  
Androscoggin County  
Lewiston, Maine  
A-654-71-H-R

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 (Department) finds the following facts:

**I. REGISTRATION**

**A. Introduction**

Senior Operations LLC (Senior Operations) has applied to renew their Air Emission License for the operation of emission sources associated with their metal processing and fabrication facility.

The equipment addressed in this license is located at 29 Lexington Street, Lewiston, Maine.

**B. Emission Equipment**

The following equipment is addressed in this air emission license:

**Natural Gas-Fired Building Heaters**

Equipment	Max. Capacity (MMBtu/hr)	Fuel Type	Date of Manuf.	Date of Install.
Paint Room Space Heater	0.46	Natural Gas	1990	1990
Office Heater 1	<0.10			
Office Heater 2	0.10			
Shop Heater	<0.10			

Each of these fuel burning units has a heat input capacity below the 1.0 MMBtu/hour licensing threshold. The operation of these units is considered insignificant activity; thus, the units are listed in this license for inventory purposes only and are not addressed further in this license.

### **Process Equipment**

<b>Equipment</b>	<b>Production Rate</b>	<b>Pollution Control Equipment</b>	<b>Stack #</b>
Paint Booth	1666 lb/month	Fiberglass Filters	#1
Blasting Booth	1600 lb/month	Dust Collection System	#2
Gluing Operations	10 gal/month	N/A	N/A

#### **C. Definitions**

*Records* or *Logs* mean either hardcopy or electronic records.

#### **D. Application Classification**

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

The application for Senior Operations 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.

#### **E. Facility Classification**

With the VOC limits associated with the paint booth and gluing operation, the facility is licensed as follows:

- As a synthetic minor source of air emissions for criteria pollutants, because Senior Operations is subject to license restrictions that keep facility emissions below major source thresholds for VOCs; 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 (BPT)**

#### **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. Paint Booth**

Painting Booth operations at Senior Operations have the potential to emit particulate matter (PM, PM<sub>10</sub>, PM<sub>2.5</sub>), volatile organic compounds (VOC), and hazardous air pollutants (HAP) as defined in the Clean Air Act and in *Definitions*, 06-096 C.M.R. ch 100.

**1. Particulate Emissions**

Part of the manufacturing process at Senior Operations is the application of paint or similar coating to metal parts fabricated at the facility. Some paints are applied by brush; larger applications use a paint spray room to apply the surface coatings. The paint room is equipped with an exhaust fan with fiberglass filters to collect paint particulates from the paint spraying process.

Senior Operations shall comply with the following as BPT for the paint spray booth:

- a. When spray application of paint is occurring, operate the exhaust fan and keep the paint spray room doors closed.
- b. Properly maintain the spray booth, including conducting frequent inspections of the blower equipment and the spray booth filter pads.
- c. Immediately clean up any spilled or excess coating material.
- d. Maintain a record of spray booth inspections, maintenance, failures, and corrective actions.

[06-096 C.M.R. ch. 115, BPT]

**2. VOC Emissions**

The painting and coating conducted by Senior Operations is subject to 06-096 C.M.R. ch. 129, *Surface Coating Facilities*, (last amended July 7, 2015), as “surface coating of miscellaneous metal parts and products”. [06-096 C.M.R. 129 (1)(A)(6)] Section (1)(C)(2) specifies the applicability of emission limitations of this Chapter for such operations whose total actual emissions of VOC from all coating units, lines, or operations at the facility are 2.7 tons VOC per 12-month rolling period, or 15 pounds VOC per day or greater unless the following are true:

- a. The maximum theoretical emissions from all surface coating operations are limited by permit or order of the Department to 1,666 lb or less in any calendar month;

- b. The facility is and has at all times been in compliance with this maximum theoretical emissions limit since issuance of the permit or order of the Department; and
- c. The total actual emissions from the facility have not exceeded 1,666 lb in any calendar month since January 1990.

The facility's previous air emission license restricted VOC emissions from the facility's coating operations to no greater than 1,666 pounds of VOC per any calendar month, and that restriction is continued in this license renewal. Therefore, the coating operations at Senior Operations are not subject to further limitations or restrictions under 06-096 CMR 129.

Senior Operations shall not exceed a total annual VOC emission limit of 9.9 tons per year on a 12-month rolling total basis. [06-096 C.M.R. ch. 115, BPT]

### 3. HAP Emissions

Senior Operations shall not exceed 7.9 tons of a single HAP per year on a 12-month rolling total basis and shall not exceed total HAP emission limit of 19.9 tons per year on a 12-month rolling total basis. [06-096 C.M.R. ch. 115, BPT]

### 4. Compliance Demonstration

To demonstrate compliance with VOC and HAP emissions limits, Senior Operations shall maintain records of coatings used and corresponding VOC and HAP emissions. The record shall include VOC and HAP emissions calculations based on material usage and VOC and HAP content of the material. The record shall also include dates of coating operations, type of coatings used, volume of coatings used, and VOC and HAP content of the coatings based on purchase receipts and material safety data sheets (SDS). The record shall be maintained on a monthly and a twelve-month rolling total basis. [06-096 C.M.R. ch. 115, BPT]

## C. Blasting Booth

### 1. Description and BPT

Senior Operations operates a Blasting Booth which utilizes steel shot for sandblasting of products being manufactured. After blasting, the shot is reclaimed and reused. Pollutants associated with shot blasting operations are PM, PM<sub>10</sub>, and PM<sub>2.5</sub>. A dust collection system filters exhaust from the shot blast room and returns the filtered exhaust stream to the inside of the facility's manufacturing space.

Senior Operations shall comply with a program of inspections, maintenance, and repair for the Blasting Booth exhaust system that includes periodic inspection of the exhaust

system. The facility shall maintain a record of all Blasting Booth exhaust system inspections and all maintenance and repairs done on the system.

Fugitive particulate matter emissions from the Blasting Booth shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101 (4)(B)(4)]

2. 40 C.F.R. Part 63, Subpart XXXXXX

Senior Operations shall ensure that their dry blasting operation complies with applicable requirements of *National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories*, 40 C.F.R. Part 63, Subpart XXXXXX. The requirements for the process of dry blasting in a vented space are listed below:

- a. Senior Operations shall capture emissions and vent them to a filtration control device. Senior Operations shall operate the filtration control device according to the manufacturer's instructions. Senior Operations shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control device, as specified in 40 C.F.R. § 63.11516(a)(2); and
- b. Senior Operations shall implement the following management practices to minimize emissions of MFHAP (metal fabrication and finishing HAP):
  - (1) Senior Operations shall minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
  - (2) Senior Operations shall enclose abrasive material storage areas and holding bins, seal chutes, and conveyors that transport abrasive material; and
  - (3) Senior Operations shall operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.

[40 C.F.R. Part 63, § 63.11516(a)(2)]

**D. Gluing Operations**

Senior Operations utilizes glue to bond fabric materials together in the production and repair of fabric expansion joints. Senior Operations estimates total facility use of less than 50 gallons per year of adhesive. The facility shall maintain a record of glue usage which shall include glue purchase receipts, glue types, and SDS for the glues being used.

Because adhesives and sealants used by Senior Operations are limited to less than 55 gallons per year, the facility is not subject to requirements of *Control of Volatile Organic Compounds from Adhesives and Sealants*, 06-096 C.M.R. ch. 159. [06-096 C.M.R. ch. 159 § (3)(D)] However, VOC and HAP emissions from Gluing Operations shall be

included in the 9.9 tons/year limit on VOC emissions and the 9.9 ton/year limit on single HAP emissions from the facility.

**E. General Process Emissions**

Visible emissions from any general process source shall not exceed 20% opacity on a six-minute block average basis.

**F. Fugitive Emissions**

Senior Operations shall not cause emissions of any fugitive dust during any period of construction, reconstruction, or operation without taking reasonable precautions. Such reasonable precautions shall be included in the facility's continuing program of best management practices for suppression of fugitive particulate matter. See 06-096 C.M.R. ch. 101, § 4(C) for a list of potential reasonable precautions.

Senior Operations shall not cause or allow visible emissions within 20 feet of ground level, measured as any level of opacity and not including water vapor, beyond the legal boundary of the property on which such emissions occur. Compliance with this standard shall be determined pursuant to 40 C.F.R. Part 60, Appendix A, Method 22.

**G. Annual Emissions**

The table below provides an estimate of facility-wide annual emissions for the purposes of calculating the facility's annual air license fee and establishing the facility's potential to emit (PTE). Only licensed equipment is included, i.e., emissions from insignificant activities are excluded. Similarly, unquantifiable fugitive particulate matter emissions are not included except when required by state or federal regulations. Maximum potential emissions were calculated based on the maximum raw material process rates of the Paint Booth, and Gluing Operations.

This information does not represent a comprehensive list of license restrictions or permissions. That information is provided in the Order section of this license.

**Total Licensed Annual Emissions for the Facility**

**Tons/year**

(used to calculate the annual license fee)

<b>Pollutant</b>	<b>Tons/year</b>
VOC	9.9
Single HAP	7.9
Total HAP	19.9

### **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:

<b>Pollutant</b>	<b>Tons/Year</b>
PM <sub>10</sub>	25
PM <sub>2.5</sub>	15
SO <sub>2</sub>	50
NO <sub>x</sub>	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.

This determination is based on information provided by the applicant regarding licensed emission units. If the Department determines that any parameter (e.g., stack size, configuration, flow rate, emission rates, nearby structures, etc.) deviates from what was included in the application, the Department may require Senior Operations to submit additional information and may require an ambient air quality impact analysis at that time.

### **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, and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-654-71-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 beginning actual construction of a modification, unless specifically provided for in Chapter 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] Payment of the annual air emission license fee for Senior Operations is due by the end of November of each year. [38 M.R.S. § 353-A(3)]
- (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 the written test report by the Department, or another alternative timeframe approved by the Department, 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 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]
- (16) The licensee 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). [06-096 C.M.R. ch. 115]

## **SPECIFIC CONDITIONS**

- (17) **Paint Booth**
  - A. Senior Operations shall operate the exhaust fan and keep the Paint Booth doors closed when spraying application of paint or coating is occurring.
  - B. The Paint Booth shall be properly operated and maintained, including frequent inspections of the blower equipment and the spray booth fiberglass filters.
  - C. Spilled or excess coating material shall be cleaned up immediately.

- D. Senior Operations shall maintain a record of Paint Booth inspections, maintenance, failures, and corrective actions.
- E. Senior Operations shall maintain records of VOC and HAP emissions and coating material usage. The records shall include VOC and HAP emissions calculations based on material usage and VOC and HAP content of the material. Records shall also include dates of coating operations, type of coatings used, volume of coatings used, and VOC and HAP content of the coatings based on purchase receipts and SDS. Records shall be maintained on a monthly and a twelve-month rolling basis.
- F. Visible emissions from the Paint Booth and exhaust fan shall not exceed 20% opacity on a six-minute block average. [06-096 C.M.R. ch. 101, § 4(B)(4)]

[06-096 C.M.R. ch. 115, BPT]

**(18) Blasting Booth**

- A. Senior Operations shall continue the established program and recordkeeping of inspection, maintenance, and repair for the Blasting Booth exhaust system which includes periodic inspection of the exhaust system. [06-096 C.M.R. ch. 115, BPT]
- B. Fugitive particulate matter emissions from the Blasting Booth operations shall be controlled so as to prevent in excess of 20% opacity in a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(4)]
- C. 40 C.F.R. Part 63, Subpart XXXXXX

Senior Operations shall ensure that their dry blasting operation complies with applicable requirements of *National Emissions Standards for hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories*, 40 C.M.R. Part 63, Subpart XXXXXX, including but not limited to the following:

Senior Operations shall capture emissions and vent them to a filtration control device. Senior Operations shall operate the filtration control device according to the manufacturer's instructions. Senior Operations shall demonstrate compliance with the requirement by maintaining a record of the manufacturer's specifications for the filtration control device, as specified in 40 C.F.R. § 63.11516(a)(2); and

Senior Operations shall implement the following management practices to minimize emissions of MFHAP (Metal fabrication and finishing HAP):

- a. Senior Operations shall minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
- b. Senior Operations shall enclose abrasive material storage areas and holding bins, seal chutes, and conveyors that transport abrasive material; and

- c. Senior Operations shall operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions

[40 C.F.R. § 63.11516(a)(2)]

**(19) Gluing Operation**

- A. Senior Operations shall maintain records of glue usage which shall include glue purchase receipts, glue types, and SDS for the glues being used. [06-096 C.M.R. ch. 115, BPT]
- B. Total glue, adhesive, and sealant usage at the facility shall not exceed 54.9 gallons per year. Senior Operations shall maintain monthly documentation of compliance with this limit to verify that the facility remains not subject to requirements of *Control of Volatile Organic Compounds from Adhesives and Sealants*, 06-096 C.M.R. ch. 159.

**(20) General Process Sources**

Visible emissions from any general process source shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(4)]

**(21) Fugitive Emissions**

- A. Senior Operations shall not cause emissions of any fugitive dust during any period of construction, reconstruction, or operation without taking reasonable precautions. Such reasonable precautions shall be included in the facility's continuing program of best management practices for suppression of fugitive particulate matter. See 06-096 C.M.R. ch. 101, § 4(C) for a list of potential reasonable precautions.
- B. Senior Operations shall not cause or allow visible emissions within 20 feet of ground level, measured as any level of opacity and not including water vapor, beyond the legal boundary of the property on which such emissions occur. Compliance with this standard shall be determined pursuant to 40 C.F.R. Part 60, Appendix A, Method 22.

[06-096 C.M.R. ch. 101, § 4(C)]

(22) If the Department determines that any parameter value pertaining to construction and operation of the emissions units, including but not limited to stack size, configuration, flow rate, emission rates, nearby structures, etc., deviates from what was submitted in the application or ambient air quality impact analysis for this air emission license, Senior Operations may be required to submit additional information. Upon written request from the Department, Senior Operations shall provide information necessary to demonstrate AAQS will not be exceeded, potentially including submission of an ambient air quality impact analysis or an application to amend this air emission license to resolve any deficiencies and ensure compliance with AAQS. Submission of this information is due

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13

**Departmental  
Findings of Fact and Order  
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within 60 days of the Department's written request unless otherwise stated in the Department's letter.  
[06-096 C.M.R. ch. 115, § 2(O)]

DONE AND DATED IN AUGUSTA, MAINE THIS 4<sup>th</sup> DAY OF FEBRUARY, 2026.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_ for \_\_\_\_\_  
MELANIE LOYZIM, 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: 9/18/2023  
Date of application acceptance: 9/21/2023

This Order prepared by Jack Doran, Bureau of Air Quality.