



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE  
GOVERNOR

PATRICIA W. AHO  
COMMISSIONER

Cianbro Fabrication & Coating Corp. )  
Somerset County )  
Pittsfield, Maine )  
A-794-71-D-R/A (SM)

Departmental  
Findings of Fact and Order  
Air Emission License

After review of the air emissions 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. Cianbro Fabrication & Coating Corp. (Cianbro) has applied for an Air Emission License, permitting the operation of emission sources associated with their Pittsfield, Maine metal fabrication and coatings facility.
2. This renewal will include an amendment to update the facility's equipment inventory to include an attached painting building and the removal of an automated sand blast unit (Wheelabrator).
3. This renewal shall also include the addition of new propane fired boiler that will replace the previously licensed Boiler #1.

**B. Emission Equipment**

Cianbro is applying to operate the following equipment:

**Fuel Burning Equipment**

<u>Equipment</u>	<u>Date of Construction</u>	<u>Maximum Capacity (MMBtu/hr)</u>	<u>Fuel Type, % Sulfur</u>	<u>Maximum Firing Rate (gal/hr)</u>	<u>Stack #</u>
Boiler #1	2011	1.1	Propane	11.7	1
Heater #1	1989	3.5	Propane	38.0	2
Heater #2	1989	5.5	Propane	58.0	3

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### Process Equipment

Equipment	Production Rate	Pollution Control Equipment
Paint Booth #1	1600 gal/month	Fabric filter
Paint Booth #2	900 gal/month	Fabric filter
Blast Booth	8 tons grit per month	Baghouse
Attached Painting Building	75 tons grit per year	Baghouse

#### C. Application Classification

Cianbro is a licensed source with equipment that has not been addressed in the facility's previous air emissions licenses. The license renewal shall include the operation of the previously unlisted attached Painting building and a new propane fired boiler. Therefore, the application for Cianbro is considered to be a renewal and amendment.

## 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 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for existing 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.

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

## B. Boiler

Cianbro's previous Air Emission License A-794-71-C-R included the operation of Boiler #1. Boiler #1 was a 1.2 MMBtu/hr #2 fuel oil fired unit located in a small boiler room adjacent to the paint shop and is utilized to provide heat and hot water to the paint shop building. Boiler #1 failed and Cianbro has requested that this air emission license renewal include the addition of a 1.1 MMBtu/hr propane fired replacement boiler to be designated Boiler #1. The new Boiler #1 is a Weil-McLain manufactured, Model 880, propane fired unit. This new boiler will serve the same function as the previously licensed Boiler #1 in that it will be used to provide heat and hot water for the paint shop building.

A summary of the BPT analysis for the new Boiler #1 is as follows:

1. *Fuel Burning Equipment Particulate Matter Standard*, 06-096 CMR 103 (as amended) regulates the new Boiler #1 PM emission limits, however, a more restrictive BPT PM emission limit for firing propane of 0.05 lb/MMBtu has been determined to be applicable. PM<sub>10</sub> limits are based on PM limits.
2. SO<sub>2</sub>, NO<sub>x</sub>, CO and VOC emission limits are based upon AP-42 data dated 10/96.
3. Visible emissions from each stack are subject to *Visible Emissions Regulation*, 06-096 CMR 101 (as amended). Visible emissions from each heater shall not exceed 10% opacity on a six-minute block average, except for no more than 1 six-minute block average in a 3-hour period.

Cianbro also operates a second boiler unit, designated Boiler #2, which is located in the new extension of the paint shop building. Boiler #2 utilizes a spray nozzle that restricts the units maximum heat input capacity to below of 1.0 MMBtu/hr, therefore, this unit is below licensing thresholds. Boiler #2 is mentioned for inventory purposes only.

Cianbro operates two propane fired heaters that are utilized to heat the air spaces in the fabrication building. Both of these units, designated Fabrication Building (FB) Heaters #1 and #2, have heat input capacities of below 1.0 MMBtu/hr, therefore, both units are below licensing thresholds. FB Heaters #1 and #2 are mentioned for inventory purposes only.

## C. Propane fired Heaters

Cianbro operates two propane fired heaters, designated Heaters #1 and #2, with maximum design heat input capacities of 3.5 MMBtu/hr and 5.5 MMBtu/hr, respectively. The units are located on the roof of the coating building and are utilized to heat the spray booths.

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A summary of the BPT analysis for Heaters #1 and #2 is as follows:

1. 06-096 CMR 103 regulates the heater PM emission limits, however, a more restrictive BPT PM emission limit for firing propane of 0.05 lb/MMBtu for each heater has been determined to be applicable. PM<sub>10</sub> limits are based on PM limits.
2. SO<sub>2</sub>, NO<sub>x</sub>, CO and VOC emission limits are based upon AP-42 data dated 10/96.
3. Visible emissions from each heater stack is subject to 06-096 CMR 101. Visible emissions from each heater shall not exceed 10% opacity on a six-minute block average, except for no more than 1 six-minute block average in a 3-hour period.

Cianbro also operates a third propane heater utilized to supply heat to the fabrication building. This heater has a maximum design heat input capacity of 0.933 MMBtu/hr. The heat input capacity of this unit is below the licensable threshold as given in 06-096 CMR 115 of the Department's regulations and is included in these findings for inventory purposes only.

D. Paint Booths #1 and #2

The paint shop includes two spray paint booths each equipped with fabric filters to control particulate matter emissions. In these units Cianbro paints a variety of equipment and material from motor vehicles to structural components for construction.

As Cianbro is a metal fabrication facility that constructs structural supports, the process of painting and coating metal objects at the Cianbro facility is subject to 40 CFR Part 63, Subpart XXXXXX, *National Emission Standards or Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories*. The Maine Department of Environmental Protection (MEDEP) has not taken delegation of this area source MACT (Maximum Achievable Control Technology) rule promulgated by EPA, however Cianbro must still satisfy the record keeping and reporting, the emissions control and the testing requirements as required in Subpart XXXXXX.

The spray booths are equipped with fabric filter beds to control particulate emissions. Emissions from the spray paint booths are drawn out through the fabric filter beds and blown to atmosphere. Pollutants associated with the operation of painting equipment are PM, PM<sub>10</sub>, volatile organic compounds (VOC) and Hazardous Air Pollutants (HAPs). BPT for the painting processes shall include good housekeeping practices to minimize fugitive emissions.

Cianbro shall establish a system of maintenance, inspection and repair for the spray booth filter beds, which shall allow for periodic inspection of the filters. Cianbro shall document compliance by means of a maintenance, inspection and repair log, in which Cianbro shall record all routine maintenance as well as all inspection dates and findings and subsequent actions.

The painting operations at Cianbro are subject to the requirements of 06-096 CMR 129, *Surface Coating Facilities* (as amended). Under this regulation, Cianbro must comply with certain emission limits based on the type of coating applied. For completeness and to allow for flexibility at the facility the following limits shall apply:

Category	VOC lb/gal
Clear coating	4.3
Steel pail/drum interior	4.3
Air-dried coating	3.5
Extreme performance coating	3.5
All other coatings	3.0

To comply with the record keeping requirements Cianbro must maintain monthly records of the name and identification of each coating and the mass of VOC per volume of each coating, excluding water and exempt compounds, as applied, used in each paint booth and the total emissions from the facility. Should Cianbro exceed a monthly VOC emission rate of 1,666 lbs, then records shall be maintained on a daily basis.

Good housekeeping practices include covering paint storage containers when these containers are not in use, maintaining the seal around the suction hose from the paint drum when painting is being performed, cleaning excess and/or spilt material, proper containment and disposal of cleaning fluids from equipment cleaning processes and proper disposal of contaminated working equipment (gloves, coveralls, tools etc).

#### E. Mobile Equipment Refinishing

Cianbro occasionally undertakes contracts to refinish (coat) mobile equipment for entities such as the State of Maine. This activity is subject to the requirements established in *MOBILE EQUIPMENT REPAIR AND REFINISHING*, 06-096 CMR 153.

F. Attached Painting Building

Cianbro has requested to include the operation of an attached painting building in the facility's equipment inventory in this Air Emission License. Cianbro contracted to construct large fascia girders at their Pittsfield facility. The girders will need several layers of non-VOC weather coatings applied; however, the facility's existing licensed paint areas are not large enough to accommodate the coating of the girders.

Cianbro plans to use an attached roofed structure with two walls and open at the ends to satisfy their need for a coating area for the girders. The girders will undergo several coating applications some of which contain the HAP Methyl Methacrylate. A sub-contractor will do the coating, however, as the coating will take place as an integral part of the fabrication of the girders at the Cianbro facility and the coatings do contain HAP, the process has been included in the facility's Air Emission License.

As discussed above, coatings processes at the Cianbro facility are subject to the requirements found in 40 CFR Part 63, Subpart XXXXXX.

To comply with the Department's record keeping requirements Cianbro must maintain monthly records of the name and identification of each coating and the mass of VOC and HAP per volume of each coating, excluding water and exempt compounds, as applied, used in the weather proof coating process.

Good housekeeping practices include covering paint and coating storage containers when these containers are not in use, maintaining the seal around the suction hose from the paint or coating drum when painting or coating is being performed, cleaning excess and/or spilt material, proper containment and disposal of cleaning fluids from equipment cleaning processes and proper disposal of contaminated working equipment (gloves, coveralls, tools etc).

G. Blast Booth

Cianbro utilizes a blast booth process to remove paint and rust from items before repainting. As Cianbro is a metal fabrication facility that constructs structural supports, the process of blasting metal objects at the Cianbro facility is subject to 40 CFR Part 63, Subpart XXXXXX, *National Emission Standards or Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories*. As discussed above, MEDEP has not taken delegation of this area source MACT rule promulgated by EPA, however Cianbro must still satisfy the record keeping and reporting, the emissions control and the testing requirements as required in Subpart XXXXXX.

During the blast process, dust-laden air is exhausted at a rate of 20,000 cfm through a series of 56 filter dust collectors with a rated efficiency of 99.99% for particles 0.5 microns and larger. The collectors are equipped with an automatic filter blow-down function based on the measure of pressure drop across the filters to help ensure higher efficiency.

Pollutants associated with shot blasting are particulate matter (PM) and particulate matter 10 microns and smaller in size (PM<sub>10</sub>). BPT for PM and PM<sub>10</sub> for the shot blast process shall be closed doors in the shot blast room during shot blast operations, proper operation and maintenance of the blower system including duct work, blowers and dust collection equipment and frequent changing of the 55 gallon drums that collect the paint and shot blast dust. BPT is also good housekeeping in the shot blast operations areas. Good housekeeping includes the cleaning and proper disposal of used or spilt material and proper storage of unused material and equipment.

BPT for visible emissions from the shot blast process and dust collection equipment shall not exceed an opacity of 10% on a 6 minute block average basis.

Cianbro shall establish a system of maintenance, inspection and repair for the blast booth particulate control equipment, which shall allow for periodic inspection of the blowers and baghouse. Cianbro shall document compliance by means of a maintenance, inspection and repair log, in which Cianbro shall record all routine maintenance as well as all inspection dates and findings and subsequent actions.

#### H. Wheelabrator Unit

Cianbro's previous Air Emission License included the operation of a new automated sandblast unit called a Wheelabrator. This unit has been permanently disassembled and removed from the site and is no longer included in the facility's Air Emission License.

#### I. Fugitive Emissions

Visible emissions from potential sources of fugitive particulate matter emissions, including material stockpiles and unpaved roadways, shall not exceed an opacity of 20%, except for no more than 5-minutes in any 1-hour period. Compliance shall be determined by an aggregate of the individual 15-second opacity observations which exceed 20% in any 1-hour.

J. Annual Facility Emissions

Cianbro shall be restricted to the following annual emissions, based on a twelve-month rolling total:

**Total Allowable Annual Emission for the Facility**  
(used to calculate the annual license fee)

<b>Pollutant</b>	<b>Tons/Year</b>			
	Boiler #1	Heaters #1 & #2	Coating	Total
PM	0.2	2.0		2.2
PM <sub>10</sub>	0.2	2.0	-	2.2
SO <sub>2</sub>	0.03	0.3	-	0.3
NO <sub>x</sub>	0.7	5.9	-	6.6
CO	0.1	0.8	-	1.0
VOC	0.03	0.2	49.7	49.9
Individual HAP	-	-	9.9	9.9
Total HAPs	-	-	24.9	24.9

- ❖ Potential emission calculations for Boiler #1 and Heaters #1 & #2 are based on year round operation of the units (8760 hours per year).
- ❖ HAPs are identified by the EPA in regulations pursuant to Section 112(b) of the Clean Air Act (CAA).

**III. AMBIENT AIR QUALITY ANALYSIS**

According to 06-096 CMR 115, the level of air quality analyses required for a minor new source shall be determined on a case-by case basis. Based on the information available in the file and the similarity to existing sources, Maine Ambient Air Quality Standards (MAAQS) will not be violated by this source.

**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-794-71-D-R/A (SM) subject to the following conditions:

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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.

**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.A. §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 CMR 115. [06-096 CMR 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 CMR 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 CMR 115]
- (5) The licensee shall pay the annual air emission license fee to the Department, calculated pursuant to Title 38 M.R.S.A. §353. [06-096 CMR 115]
- (6) The license does not convey any property rights of any sort, or any exclusive privilege. [06-096 CMR 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 CMR 115]

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- (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 CMR 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 CMR 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 CMR 115]
- (11) In accordance with the Department's air emission compliance test protocol and 40 CFR 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 CFR 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 CMR 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 CFR 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 CMR 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 CMR 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 emission 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 CMR 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 CMR 115]

**SPECIFIC CONDITIONS**

(16) New Boiler #1

A. Emissions from the new Boiler #1 shall not exceed the following:

Equipment		PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Boiler #1	lb/MMBtu	0.05	-	-	-	-	-
	lb/hr	0.06	0.06	0.01	0.16	0.02	0.01

[06-096 CMR 115, BPT]

B. Visible emissions.

Visible emissions from the boiler stack shall not exceed 20% opacity on a six-minute block average except, for no more than 2 six-minute block averages in a 3 hour period. [06-096 CMR 101]

(17) Heaters #1 and #2

A. Emissions from Heaters #1 and #2 shall not exceed the following:

Equipment		PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Heater #1	lb/MMBtu	0.05	-	-	-	-	-
	lb/hr	0.2	0.2	0.02	0.5	0.07	0.02
Heater #2	lb/MMBtu	0.05	-	-	-	-	-
	lb/hr	0.3	0.3	0.04	0.8	0.1	0.03

[06-096 CMR 115, BPT]

B. Visible emissions from the each heater stack shall not exceed 10% opacity on a six-minute block average except, for no more than 1 six-minute block average in a 3-hour period. [06-096 CMR 101]

(18) Paint Booths #1 and #2 and the Attached Coating Building

A. Cianbro shall not exceed total annual emissions of 49.7 tons per year of VOCs and 9.9 tons per year of any single HAP or 24.9 tons per year of any combination of HAPs from the facility's coating processes based on a twelve-month rolling total. [06-096 CMR 115, BPT]

- B. To demonstrate compliance with VOC and HAP emissions limits, Cianbro shall maintain a record of coating material use. The record shall include type of coatings used, volume of coatings used and VOC and HAP content of the coatings based on facility usage and MSDS. The record shall be maintained on a monthly as well as a twelve-month rolling total. [06-096 CMR 115, BPT]
- C. If at any time Cianbro exceeds a monthly emission rate of 1,666 lb of VOC (based on a calendar month), coating records shall be maintained on a daily basis to include a total VOC emission rate as calculated using the applicable equation under 06-096 CMR 129 Section 7(A)(1)(d). [06-096 CMR 129]
- D. Cianbro shall utilize only those coatings that comply with the following limits for the painting operations at the Cianbro facility that are subject to 06-096 CMR 129 of the Department's regulations, as determined using the calculation method set forth in 06-096 CMR 129, Section 5, of the Department's regulations:

Category	VOC lb/gal
Clear coating	4.3
Steel pail/drum interior	4.3
Air-dried coating	3.5
Extreme performance coating	3.5
All other coatings	3.0

[06-096 CMR 129]

- E. Vapor-tight containers shall be utilized for the storage of new or used VOC and HAP containing materials. This shall include cloth or paper materials impregnated with solvents and/or coating material. [06-096 CMR 115, BPT]
- F. Cianbro shall also make use of good housekeeping practices in the cleaning and proper disposal of used or spilt material and proper storage of unused coating and solvent material and equipment. [06-096 CMR 115, BPT]
- G. Paint booths #1 and #2 and the Attached Painting Building shall be operated so as to minimize emissions. Cianbro shall establish a system of maintenance, inspection and repair for the spray booth filter beds, which shall allow for periodic inspection of the filters. Cianbro shall document compliance by means of a maintenance, inspection and repair log, in which Cianbro shall record all routine maintenance as well as all inspection dates and findings and subsequent actions. [06-096 CMR 115, BPT]
- H. Visible emissions from the spray paint booths shall not exceed 10% opacity based on a six-minute block average. [06-096 CMR 101]

(19) Mobile Equipment Refinishing

When undertaking coating operations for mobile sources other than the fleet operated by Cianbro, Cianbro shall comply with the requirements established in 06-096 CMR 153.

(20) Shot Blasting Processes

- A. Cianbro shall keep all doors closed in the shot blast room during shot blast operations. [06-096 CMR 115, BPT]
- B. Cianbro shall establish a system of maintenance, inspection and repair for the blast booth particulate control equipment, which shall allow for periodic inspection of the blowers and baghouse. Cianbro shall document compliance by means of a maintenance, inspection and repair log, in which Cianbro shall record all routine maintenance as well as all inspection dates and findings and subsequent actions. [06-096 CMR 115, BPT]
- C. Cianbro shall also make use of good house keeping practices in the cleaning and proper disposal of used or spilt material and proper storage of unused shot blast material and equipment. [06-096 CMR 115, BPT]
- D. Visible emissions from the shot blast processes and shot blast dust collection equipment shall not exceed an opacity of 10% on a 6 minute block average basis, except for no more than 1 six minute block average in a 1 hour period. [06-096 CMR 101]

(21) Annual Emission Statement

In accordance with 06-096 CMR 137 (as amended), the licensee shall annually report to the Department by September 1, the information necessary to accurately update the State's emission inventory by means of:

- 1) A computer program and accompanying instructions supplied by the Department;  
Or
- 2) A written emission statement containing the information required in 06-096 CMR 137.

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Reports and questions should be directed to:

Attn: Criteria Emission Inventory Coordinator  
Maine DEP  
Bureau of Air Quality  
17 State House Station  
Augusta, ME 04333-0017

Phone: (207) 287-2437

- (22) Visible emissions from potential sources of fugitive particulate matter emissions, including material stockpiles and unpaved roadways, shall not exceed an opacity of 20%, except for no more than 5-minutes in any 1-hour period. Compliance shall be determined by an aggregate of the individual 15-second opacity observations which exceed 20% in any 1-hour. [06-096 CMR 101]
- (23) Visible emissions from any general process source, including shot blasting and shot blast handling shall not exceed an opacity of 10% on a 6 minute block average basis. [06-096 CMR 101]
- (24) Cianbro 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 MRSA §605-C).

DONE AND DATED IN AUGUSTA, MAINE THIS 4<sup>th</sup> DAY OF November 2011.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Melanie [Signature]  
PATRICIA WALHO, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

The term of this Order shall be for five (5) years from the signature above.

Date of initial receipt of application: **December 11, 2010**

Date of application acceptance: **December 15, 2010**

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

This Order prepared by, Peter G. Carleton, Bureau of Air Quality

