Metal Container Corporation
Jacksonville Can Plant
Facility ID No.: 0310097
Duval County

Title V Air Operation Permit Renewal

PROPOSED Permit No.: 0310097-008-AV
Renewal to Title V Air Operation Permit No.: 0310097-007-AV

Permitting & Compliance Authority:

State of Florida
Department of Environmental Protection
Waste and Air Resource Management Program, Northeast District

8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Telephone: (904) 256-1700
Fax: (904) 256-1590

Title V Air Operation Permit Renewal

PROPOSED Permit No.: 0310097-008-AV
Renewal to Title V Air Operation Permit No.: 0310097-007-AV

Table of Contents

Section **Page Number**

Placard Page 1

I. Facility Information ..... 2 - 3
- A. Facility Description.
- B. Summary of Emissions Unit ID No(s). and Brief Description(s).
- C. Relevant Documents.

II. Facility-wide Conditions ……...4 - 7

III. Emissions Unit(s) and Conditions ……...8 - 16

Emissions Unit - 008	Lime Storage Silo
Emissions Unit - 012	(3) Boilers
Emissions Unit - 013	Can Coating Line Nos. 2, 3, 4, and 5
Emissions Unit - 014	Fire Pump Diesel Engine

Statement of Basis
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix LR-1, Local Rule Index
Appendix SS-1, Stack Sampling Facilities
Appendix U-1, List of Unregulated Emissions Units and/or Activities
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix NSPS, Subpart A – General Provisions for 40 CFR Part 60
Appendix NSPS, Subpart WW
Appendix NSPS, Subpart IIII
Appendix NESHAP, Subpart A - General Provisions for 40 CFR Part 63.
Appendix NESHAP, Subpart ZZZZ
Table 1-1, Summary of Air Pollutant Standards and Terms
Table 2-1, Summary of Compliance Requirements
Best Available Control Technology Determination for (3) Boilers
Operation and Maintenance Plan

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Permittee:
Metal Container Corporation
1100 North Ellis Road
Jacksonville, FL 32254

PROPOSED Permit No.: 0310097-008-AV
Facility ID No.: 0310097
SIC Nos.: 34
Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew Title V Air Operation Permit No. 0310097-007-AV. This existing facility is located at 1100 North Ellis Road, Jacksonville, Duval County, FL; UTM Coordinates: Zone 17, 428.39 km East and 3,356.56 km North; Latitude: 30° 20' 19" North and Longitude: 81° 44' 42" West.

This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (FS), and Chapters 62-4, 62-210 and 62-213, Florida Administrative Code (FAC). The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Permitting Authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix SS-1, Stack Sampling Facilities
Appendix U-1, List of Unregulated Emissions Units and/or Activities
Best Available Control Technology Determination for (3) Boilers
Operation and Maintenance Plan
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix NSPS, Subpart A – General Provisions for 40 CFR Part 60
Appendix NSPS, Subpart WW
Appendix NSPS, Subpart IIII
Appendix NESHAP, Subpart A - General Provisions for 40 CFR Part 63.
Appendix NESHAP, Subpart ZZZZ

Effective Date:
Renewal Application Due Date:
Expiration Date:

PROPOSED

_____

Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management Program

RSR/rfs

Section I. Facility Information.

Subsection A. Project and Facility Description.

This permit is for the purpose of renewing Title V Air Operation Permit No. 0310097-007-AV. Additionally, one new emissions unit was created for an emergency stationary combustion ignition reciprocating internal combustion engine (RICE).

This facility is a can manufacturing operation which consists of four (4) two piece aluminum beverage can coating lines. Production Line Nos. 2 and 3 include basecoaters, basecoater ovens, printers, printer ovens, inside spray machines, and inside bake ovens. Production Line Nos. 4 and 5 include printers, printer ovens, inside spray machines, and an inside bake oven.

Volatile organic compound (VOC) emissions from the can manufacturing process are controlled by a regenerative thermal oxidizer (RTO). Ancillary emission units include a lime storage silo and three, small natural gas-fired package boilers.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

The facility is subject to the provisions of New Source Performance Standards (NSPS), 40 Code of Federal Regulation (CFR) 60, Subpart WW, Standards of Performance for the Beverage Can Surface Coating Industry; 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines; 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; 40 CFR 60, Subpart A – General Provisions; and Particulate Matter (PM) Reasonably Available Control Technology (RACT) requirements.

The facility has a facility-wide emission limit for hazardous air pollutants (HAP) of less than 10 tons per year for any single HAP and less than 25 tons per year for total HAPs classifying it as a Synthetic Minor Source of HAPs.

Compliance Assurance Monitoring (CAM) does not apply to any of the emissions units at the facility.

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

EU No.	EU Description	Control Device
008	Lime Storage Silo	MAC Dust Collector, Model 54AV525
012	(3) Boilers	
013	Can Coating Lines Nos. 2, 3, 4, and 5	Regenerative Thermal Oxidizer (RTO)
014	Fire Pump Diesel Engine	

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for informational purposes only:
Table 1-1: Summary of Air Pollutant Standards and Terms
Table 2-1: Summary of Compliance Requirements
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History

Appendix LR-1, Local Rule Index
Statement of Basis

These documents are on file with the Permitting Authority:
Title V Air Operation Permit No. 0310097-007-AV
Application for a Title V Air Operation Renewal received March 19, 2013
Electronic mail requesting additional information dated March 26, April 9 and April 12, 2013
Additional information received March 27 and April 29, 2013 via electronic mail

Section II. Facility-wide Conditions

The following conditions apply facility-wide:

1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated.
[Rule 62-213.440, F.A.C.]

2. General Particulate Emission Limiting Standards. General Visible Emissions Standard.
Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, FAC, and Rule 2.1201, JEPB.
[Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB]

3. Prevention of Accidental Releases (Section 112(r) of CAA).
   a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable; and
   b. The permittee shall submit to the Permitting Authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), FAC.

   [40 CFR 68]

4. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload, or use in any installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Permitting Authority.
[Rule 62-296.320(1), FAC, and Rule 2.1101, JEPB]

5. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter emissions from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include the following:
   a. Paving and maintenance of roads, parking areas and yards.
   b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
   c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
   d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
   e. Landscaping or planting of vegetation.
   f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
   g. Confining abrasive blasting where possible.
   h. Enclosure or covering of conveyor systems.

   [Rule 62-296.320(4)(c)1 & 3, FAC, and Rule 2.1101, JEPB]

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), FAC, and Rules 2.501 and 2.1401, JEPB]

   Unregulated Emission Units and/or Activities Appendix U-1 List of Unregulated Emission Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), FAC, and Rule 2.501, JEPB]

7. Permittee shall notify the Permitting Authority fifteen (15) days prior to the date of each formal compliance test conducted for an emissions unit.
[Rule 62-297.310(7)(a)9., FAC, and Rule 2.1201, JEPB]

8. Stack sampling facilities and control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1201, JEPB]

9. Testing of emissions shall be conducted with the Emissions Unit operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then Emissions Units may be tested at less capacity; in this case subsequent Emissions Unit operation is limited to 110 percent of the test load until a new test is conducted. Once the Emissions Unit is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
[Rule 62-297.310(2), FAC, and Rule 2.1201, JEPB]

10. Copies of the test report(s) shall be filed with the Permitting Authority within forty-five (45) days of completion of testing.
[Rule 62-297.310(8)(b), FAC, and Rule 2.1201, JEPB]

11. When appropriate, any recording, monitoring or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, FAC and Rule 2.501, JEPB]

12. The permittee shall submit all compliance related notifications and reports required of this permit to:

State of Florida
Department of Environmental Protection
Northeast District Office
Compliance Assurance
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Telephone: (904) 256-1700
Fax: (904) 256-1590

13. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, GA 30303-8960
Telephone: (404) 562-9155
Fax: (404) 562-9163

14. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., FAC, shall be submitted to the Permitting Authority and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), FAC. {Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of Appendix TV-6, Title V Conditions)}
[Rules 62-213.440(3) and 62-213.900, FAC, and Rule 2.501, JEPB]

15. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), FAC., and Rule 2.501, JEPB]

16. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Permitting Authority for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1401, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700(1), (4), and (6), FAC, and Rule 2.201, JEPB]

17. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), FAC, Rule 62-4.130, FAC, Rule 2.201, JEPB, and Rule 2.1401, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), FAC, and Rule 2.501, JEPB. Unless otherwise specified in **a permit, rule, or order;** reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1).
[Rule 62-213.440(1)(b)3., FAC, and Rule 2.501, JEPB]

18. Annual Operation Report (AOR). Permittee shall submit an annual operating report to the Permitting Authority for this (these) emission unit(s) on the form(s) supplied for each calendar year by April 1 of the following year.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]

19. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-Line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm.
[Rule 62-213.205, FAC and Rule 2.501, JEPB]

20. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Permitting Authority in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.
    a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
    b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Permitting Authority as soon as possible after the date of such startup is ascertained.

    [Rule 62-210.300(5), F.A.C. and Rule 2.301, JEPB]

21. Maximum facility wide emissions shall be limited to less than 10.0 tons per year for any single Hazardous Air pollutant (HAP) and 25.0 tons per year for total HAP in order to maintain emissions below the major source HAP threshold. All tons per year limits are based on a 12-month rolling total.
[Applicant's request, Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

22. Quarterly reports shall be submitted to the Permitting Authority describing the usage of solvents, coatings, and VOC/HAP contents and emissions. The quarterly reports shall be submitted by the 30th day of the following month after the end of each quarter (January – March, April – June, July – September, and October – December). The final report, which is due by the 30th of January for the quarter of October – December, shall include a synopsis of the preceding year.
[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

23. Permit Renewal. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009.
[Rule 62-213.420(1)(a)2., F.A.C. and Rule 2.501, JEPB]

The following Facility-wide conditions are not federally enforceable:

24. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), FAC, and Rule 2.1101, JEPB]

25. The facility shall be subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

26. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Section III. Emissions Unit(s) and Conditions.

Emissions Unit No. 008 - Lime Storage Silo

Emissions Unit Description:	Lime is received by truck and transferred pneumatically to the storage silo. Lime is subsequently used for treating process wastewater.
Particulate Matter (PM) Control Device:	MAC Dust Collector Model 54AV525

Essential Potential to Emit (PTE) Parameters

1. The nominal volumetric flow rate from this emissions unit is 1,175 cubic feet per minute (cfm).

   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year (hrs/yr).

   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. The maximum silo input rate of lime shall not exceed 35 tons per hour (tons/hr).

   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including ***Specific RACT Emission Limiting Standards for Stationary Emission Units [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]; Maximum Allowable Emission Rates [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; Circumvention [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and Operation and Maintenance Plan [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]*** shall apply to this emission unit.

5. PM emissions shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf), 0.30 pounds per hour (lbs/hr), and 1.31 tons per year (tons/yr).

   [Rule 62-296.711(2), FAC, and Rule 2.1101, JEPB]

6. Visible emissions (VE) shall not exceed 5 percent opacity.

   [Rule 62-296.711(2), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.

   [Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

   [Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

9. VE shall be tested annually from the date of October 1, 2012.

   [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

10. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of five (5) years.

    [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB, Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

Emissions Unit No. 012 - (3) Boilers

Emissions Unit Description: These three (3) natural gas fired boilers (Parker Model No. T-5700) are used intermittently as a supplemental source of hot water to the regenerative thermal oxidizer (RTO) heat recovery system.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hrs/yr.

   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. The maximum heat input to each boiler shall not exceed 5.7×10^6 Btu per hour firing natural gas.

   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination.

   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

4. VE shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one hour period.

   [Rule 62-296.406(1), FAC, and 2.1101, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance for each boiler shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

   [Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

6. VE for each boiler shall be tested 270 days prior to the permit expiration date. Due to intermittent operation and the normal low firing rate, **Section II. Facility-wide Conditions, Specific Condition No. 9** does not apply to these boilers.

   [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

Emissions Unit No. 013 - Can Coating Lines Nos. 2, 3, 4, and 5

Emissions Unit Description: These four can coating production lines shape, coat, and print two-piece aluminum can bodies. Line Nos. 2 and 3 include basecoaters, basecoater ovens, printers, printer ovens, inside spray machines, and inside bake ovens. Line Nos. 4 and 5 include printers, printer ovens, inside spray machines, and an inside bake oven.

Volatile Organic Compound (VOC) control device: Regenerative Thermal Oxidizer (RTO) [Research-Cottrell (REECO) RE-THERM Model VF-E]

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hrs/yr.

   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. Reasonably Available Control Technology (RACT) requirements including ***Volatile Organic Compounds (VOC) and Nitrogen Oxides (NOx) Emitting Facilities [Rule 62-296.500(1 & 2), FAC, and Rule 2.1101, JEPB]; and Can Coating [Rule 62-296.501, FAC, and Rule 2.1101, JEPB]*** shall apply to this emission unit.

3. ***40 CFR 60, Subpart WW - Standards of Performance for the Beverage Can Surface Coating Industry, and 40 CFR 60, Subpart A - General Provisions,*** Reporting Requirements, Notification requirements, and Standards of Performance shall apply to the source described herein.

4. The following parameters shall not be exceeded on an annual average basis:

   a. Can Coating Line No. 2 Production: 1800 cans per minute
   b. Can Coating Line No. 3 Production: 1800 cans per minute
   c. Can Coating Line No. 4 Production: 1800 cans per minute
   d. Can Coating Line No. 5 Production: 3200 cans per minute

   [Rule 62-210.200, FAC, and Rule 2.301, JEPB]

5. Each Can Coating Line at this facility shall not discharge or cause the discharge of VOC that exceed the following volume-weighted calendar-month average emissions:

   a. 0.28 kilogram of VOC per liter of coating solids from each two-piece can exterior basecoating operation, except clear basecoat.
   b. 0.40 kilogram of VOC per liter of coating solids from each two-piece can clear basecoating operation and from each overvarnish coating operation.
   c. 0.88 kilogram of VOC per liter of coating solids from each two-piece can inside spray coating operation.

   [Permit No. AC16-199113(A), 40 CFR 60.492, Rules 62-204.800(7)(b)51., and 62-296.501(2), FAC, and Rule 2.201, JEPB]

6. Total VOC and organic solvents emissions for the entire facility shall not exceed 85.2 lbs/hr and 316.4 tons/yr. (Applicant's Request)

   [Permit No. 0310097-002-AV, Rule 62-296.501(2), FAC, and Rule 2.1101, JEPB]

7. The operating requirements for the regenerative thermal oxidizer are as follows:

   95% minimum destruction efficiency.
   80% minimum capture efficiency.

   [Rule 62-296.501(3), FAC, and Rule 2.1101, JEPB]

8. The Can Coating Lines may continue to operate during periods of the regenerative thermal oxidizer malfunction or maintenance provided that all coatings applied comply with EU 013, Specific Condition 5.

   [Rule 62-210.700, FAC., and Rule 2.301, JEPB]

Test Methods and Procedures

9. Destruction efficiency testing for demonstration of compliance shall be performed with all four (4) lines operating in accordance with EPA RM 25 or 25A (as described in 40 CFR 60, Appendix A) for volatile organic compounds.

   [40 CFR 60.496, Rule 62-296.501(4)(b), FAC, and Rule 2.1101, JEPB]

10. Destruction efficiency testing shall be performed annually from the date of May 1, 2012.

    [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

11. Capture efficiency testing for demonstration of compliance shall be performed with all four (4) lines operating in accordance with EPA RM 204A, 204B, and 204F (as described in 40 CFR 51, Appendix M) for volatile organic compounds.

    [Rule 62-296.501(4)(b), FAC, and Rule 2.1101, JEPB]

12. Capture efficiency testing shall be performed 270 days prior to the expiration date of this permit.

    [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

13. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 24 (as described in 40 CFR 60, Appendix A) for volatile organic compounds.

    [40 CFR 60.493, 40 CFR 60.496, Rule 62-296.501(4)(a), FAC, and Rule 2.1101, JEPB.]

Monitoring of Operations

14. The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for the thermal oxidizer's firebox.

    [40 CFR 60.494(a) and (b), 62-204.800(7), FAC, and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

15. Continuous records of the thermal oxidizer's firebox temperature shall be maintained and reported in accordance with 40 CFR 60.495 for a minimum of five (5) years and made available to the Permitting Authority.

    [40 CFR 60.495(c), Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

16. Monthly records shall be maintained for the following:
    a. Coatings usage
    b. VOC content (lbs/gal) of coatings as applied
    c. Solvent/thinner usage
    d. VOC content of solvent/thinner
    e. VOC Emissions
    f. HAP emissions (single HAP and total HAP(s))

    Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.

    [Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

17. A record shall be maintained of all periods the regenerative thermal oxidizer is shutdown during the operation of the Can Coating Lines. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.

    [Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

18. A written report of excess emissions shall be submitted quarterly to the Permitting Authority no later than the 30th day of the month following the end of each calendar quarter.

    [Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

Emissions Unit No. 014 – Fire Pump Diesel Engine

Emissions Unit Description – Cummins Fire Pump Diesel Engine (Model No. CFP11E-F10)

Description of Engine	Date Built	Displacement/ Horsepower	Rule Applicability
Cummins fire pump engine	05/15/2007	1.8 liters/cylinder & 373 HP	40 CFR Part 60, Subpart IIII

{**Permitting Note:** This permit section addresses a new, emergency stationary compression ignition (CI) reciprocating internal combustion engines (RICE) manufactured after July 1, 2006 with an engine displacement of less than 30 liters per cylinder located at an area source of HAP emissions.}

1. This engine is subject to ***40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR 60, Subpart A, General Provisions.***

   [40 CFR 63.6590(a)(2)(iii), 40 CFT 63.6590(c)(1), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Essential Potential to Emit (PTE) Parameters

2. This emissions unit shall use diesel fuel that meets the following per-gallon standards required in 40 CFR 80.510(b) for non-road diesel:

   a. The sulfur content for nonroad diesel fuel shall not exceed 15 ppm.

   b. The nonroad diesel cetane index shall not be less than 40 or the aromatic content shall not exceed 35 volume percent.

   [40 CFR 60.4207(b), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

3. The owner or operator shall operate and maintain the emergency stationary RICE according to the following:
   (a) There is no time limit on the use of emergency stationary RICE in emergency situations.
   (b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or Local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
   (c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance checks, readiness testing, and demand response.
   (d) The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.

   [40 CFR 60.4211(f), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Emission Limitations and Operating Requirements

4. The engines in this emissions unit shall not exceed the following standards of non-methane (NM) hydrocarbons + nitrogen oxides (NO_X), hydrocarbons, NOx, carbon monoxide (CO), and particulate matter (PM). The owner or operator shall comply with these emission standards over the entire life of the engine.

Engine	NM Hydrocarbons + NO_x	CO	PM
Cummins fire pump engine 373 HP	7.8 g/HP-hr	2.6 g/HP-hr	0.40 g/HP-hr

[40 CFR 60.4205(c), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Operation and Maintenance

5. The owner or operator shall operate the stationary compression ignition RICE and control devices according to the manufacturer's emission-related written instructions.

   [40 CFR 60.4211(a)(1), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

6. The owner or operator shall only change those emission-related settings that are permitted by the manufacturer.

   [40CFR 60.4211(a)(2), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Monitoring Requirements

7. The owner or operator of an emergency stationary compression ignition RICE that does not meet the standards applicable to non-emergency engines shall install a non-resettable hour meter prior to startup of the engine.

   [40 CFR 60.4209(a), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Compliance Requirements

8. The owner or operator of the pre-2007 model year stationary RICE of this emissions unit shall demonstrate compliance according to one of the methods specified below:

   a. Purchase an engine certified according to 40 CFR Part 89 or Part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.
   b. Keep records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in 40 CFR 60.4212, as applicable.
   c. Keep records of engine manufacturer data indicating compliance with the standards.
   d. Keep records of control device vendor data indicating compliance with the standards.
   e. Conduct an initial performance test to demonstrate compliance with emission standards according to the requirements specified in 40 CFR 40.4212, as applicable.

   [40 CFR 60.4211(b), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

9. The owner or operator of the pre-2007 model year stationary RICE of this emissions unit has demonstrated compliance by purchasing an engine certified to the emission standards specified in 40 CFR 60.4205(c) for the same model year and maximum engine power.

10. If the owner or operator does not install, configure, operate and maintain the emergency stationary compression ignition RICE and control device according to the manufacturer's emission-related written instructions, or changes emission-related settings in a way that is not permitted by the manufacturer, the owner or operator shall demonstrate compliance as follows:
    a. Keep a maintenance plan and records of conducted maintenance.
    b. Maintain and operate the engine in a manner consistent with good air pollution control practices for minimizing emissions.
    c. Conduct an initial performance test to demonstrate compliance with the applicable emission standards:

       (i) Within 1 year of startup or
       (ii) Within 1 year after an engine and control device is no longer installed, configured, operated and maintained in accordance with the manufacturer's emission-related written instructions or
       (iii) Within 1 year after the emission-related settings are changed in a way that is not permitted by the manufacturer.

    [40 CFR 60.4211(g)(2), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

11. Records shall be maintained for the hours of operation of the engines for emergency and non-emergency engine usage, including maintenance checks and readiness testing. This shall include all hours of operation recorded through the non-resettable hour meter. The owner or operator shall record the time of operation of the engine and the reason the engine was in operation. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.

    [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

12. If the stationary RICE is equipped with a diesel particulate filter, the owner or operator shall keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.

    [40 CFR 60.4214(c), Rule 62-4.070(3), FAC, Rule 62-204.800(8), FAC, Rule 2.1401, JEPB and Rule 2.201, JEPB]