

DRAFT/PROPOSED CAAPP PERMIT
March 7, 2014

Attention:

Rexam Beverage Can Company
Attn: Geoffrey A. Wortley
8770 West Bryn Mawr Avenue, Suite 175
Chicago, Illinois 60631-3542

State of Illinois

**CLEAN AIR ACT PERMIT
PROGRAM (CAAPP) PERMIT**

Source:

Rexam Beverage Can Company
1101 West 43rd Street
Chicago, Illinois 60609

I.D. No.: 031600BRL
Permit No.: 95120133

Permitting Authority:

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
217/785-1705

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Type of Application: Renewal
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 031600BRL
Permit No.: 95120133
Statement of Basis No.: 95120133-1312

Date Application Received: August 12, 2008
Date Issued:

Expiration Date:
Renewal Submittal Date: 9 Months Prior to

Source Name: Rexam Beverage Can Company
Address: 1101 West 43rd Street
City: Chicago
County: Cook
ZIP Code: 60609

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact Doug Rutherford at 217/785-1705.

Raymond E. Pilapil
Acting Manager, Permit Section
Division of Air Pollution Control

REP:MTR:DLR:psj

cc: IEPA, Permit Section
IEPA, FOS, Region 1
Lotus Notes Database

<u>Section</u>	Table of Contents	<u>Page</u>
1	Source Information	3
	1.1 Addresses	
	1.2 Contacts	
	1.3 Single Source	
2	General Permit Requirements	4
	2.1 Prohibitions	
	2.2 Emergency Provisions	
	2.3 General Provisions	
	2.4 Testing	
	2.5 Recordkeeping	
	2.6 Certification	
	2.7 Permit Shield	
	2.8 Title I Conditions	
	2.9 Reopening and Revising Permit	
	2.10 Emissions Trading Programs	
	2.11 Permit Renewal	
	2.12 Permanent Shutdown	
	2.13 Startup, Shutdown, and Malfunction	
3	Source Requirements	12
	3.1 Applicable Requirements	
	3.2 Applicable Plans and Programs	
	3.3 Title I Requirements	
	3.4 Synthetic Minor Limits	
	3.5 Reporting Requirements	
4	Emission Unit Requirements	19
	4.1 Can Coating/Printing Lines	
	4.2 Can Bodymakers and Washer/Dryer	
	4.3 Natural Gas Fired Boiler and Makeup Air Units	
	4.4 Natural Gas Fired Boiler	
5	Additional Title I Requirements	45
6	Insignificant Activities Requirements	46
	6.1 Insignificant Activities Subject to Specific Regulations	
	6.2 Insignificant Activities in 35 IAC 201.210(a)	
	6.3 Insignificant Activities in 35 IAC 201.210(b)	
	6.4 Applicable Requirements	
	6.5 Compliance Method	
	6.6 Notification Requirements for Insignificant Activities	
7	Other Requirements	49
	7.1 Testing	
	7.2 PM Process Weight Rate Requirements	
	7.33 Emissions Reduction Market System (ERMS) Requirements	
	7.4 Compliance Assurance Monitoring (CAM) Requirements	
8	State Only Requirements	59
	8.1 Permitted Emissions for Fees	
Attachment 1	List of Emission Units at This Source	60
Attachment 2	Acronyms and Abbreviations	61
Attachment 3	Contact and Reporting Addresses	63
Attachment 4	Example Certification by a Responsible Official	64

Section 1 - Source Information

1. Addresses

Source

Rexam Beverage Can Company
1101 West 43rd Street
Chicago, Illinois 60609

Owner

Rexam Beverage Can Company
8770 West Bryn Mawr Avenue, Suite 175
Chicago, Illinois 60631-3542

Operator

Rexam Beverage Can Company
8770 West Bryn Mawr Avenue, Suite 175
Chicago, Illinois 60631-3542

Permittee

The Owner and Operator of the source as identified in this table.

2. Contacts

Certified Officials

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	Geoffrey A. Wortley	Director Environmental, Health & Safety
<i>Delegated Authority</i>	Marcio Muller	Plant Manager

Other Contacts

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	Geoffrey A Wortley	773-399-3389	Geoff.Wortley@rexam.com
<i>Technical Contact</i>	Jim Antia	773-399-3198	Jim.Antia@rexam.com
<i>Correspondence</i>	Geoffrey A Wortley	773-399-3389	Geoff.Wortley@rexam.com
<i>Billing</i>	Geoffrey A Wortley	773-399-3389	Geoff.Wortley@rexam.com

3. Single Source

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

<i>I.D. No.</i>	<i>Permit No.</i>	<i>Single Source Name and Address</i>
N/A	N/A	N/A

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

Section 2 - General Permit Requirements

1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
 - i. An emergency occurred and the source can identify the cause(s) of the emergency.
 - ii. The source was at the time being properly operated.
 - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
 - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

Rexam Beverage Can Company
 I.D. No.: 031600BRL
 Permit No.: 095120133

Date Received: 08/12/2008
 Date Issued: TBD

upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

3. General Provisions

a. Duty to Comply

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

b. Need to Halt or Reduce Activity is not a Defense

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

c. Duty to Maintain Equipment

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

d. Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

e. Duty to Pay Fees

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]
- iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

f. Obligation to Allow IEPA Surveillance

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. Sample or monitor any substances or parameters at any location at reasonable times:
 - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
 - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

g. Effect of Permit

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
 - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
 - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
 - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
 - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

h. Severability Clause

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

4. Testing

- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
 - i. **Testing by Owner or Operator:** The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
 - ii. **Testing by the IEPA:** The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

5. Recordkeeping

a. Control Equipment Maintenance Records

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.

b. Retention of Records

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]
- ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

c. Availability of Records

- i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of requested material would make this overly burdensome, in which case, the Permittee

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

6. Certification

a. Compliance Certification

- i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
 - A. The identification of each term or condition of this permit that is the basis of the certification.
 - B. The compliance status.
 - C. Whether compliance was continuous or intermittent.
 - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 3.
- iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

b. Certification by a Responsible Official

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

7. Permit Shield

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after **USEPA Notice Start Date** _____ (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.
- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way

Rexam Beverage Can Company
 I.D. No.: 031600BRL
 Permit No.: 095120133

Date Received: 08/12/2008
 Date Issued: TBD

affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
 - i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
 - ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
 - i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
 - ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

9. Reopening and Revising Permit

a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

b. Reopening and Revision

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

c. Inaccurate Application

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

d. Duty to Provide Information

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

11. Permit Renewal

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(l) and (o) of the Act]
- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

12. Permanent Shutdown

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

13. Startup, Shutdown, and Malfunction

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

Section 3 - Source Requirements

1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.
- ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

b. Emissions Reduction Market System (ERMS)

Pursuant to 35 IAC Part 205, this source is considered a "participating source" for purposes of the ERMS. The allotment of ATUs to this source is 729 ATUs per seasonal allotment period. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit.

c. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

d. Asbestos Demolition and Renovation

- i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or demolish pursuant to Condition 3.1(d)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.
- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

e. Future Emission Standards

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

2. Applicable Plans and Programs

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

a. Fugitive PM Operating Program

- i. Pursuant to 35 IAC 212.309, this source shall be operated under the provisions of Fugitive PM Operating Program prepared by the Permittee and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). The Permittee shall comply with the Fugitive PM Operating Program and any amendments to the Fugitive PM Operating Program submitted pursuant to Condition 3.2(a)(ii). As a minimum, the Fugitive PM Operating Program shall include provisions identified in 35 IAC 212.310(a) through (g) and the following:
 - A. A detailed description of the best management practices utilized to achieve compliance with 35 IAC 212.304 through 212.308.
 - B. Estimated frequency of application of dust suppressants by location.
 - C. Such other information as may be necessary to facilitate the IEPA's review of the Fugitive PM Operating Program.
- ii. Pursuant to 35 IAC 212.312, the Fugitive PM Operating Program shall be amended from time to time by the Permittee so that the Fugitive PM Operating Program is current. Such amendments shall be consistent with the requirements set forth by this Condition 3.2(a) and shall be submitted to the IEPA within 30 days of such amendment. Any future revision to the Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iii. The Fugitive PM Operating Program, as submitted by the Permittee on January 8, 2014, is incorporated herein by reference. The document constitutes the formal Fugitive PM Operating Program required under 35 IAC 212.310, addressing the control of fugitive particulate matter emissions from all plant roadways, including the iron-making and steel-making roads, storage piles, access areas near storage piles, and other subject operations located at the facility that are subject to 35 IAC 212.309.
 - iv. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Fugitive PM Operating Program, any amendments or revisions to the Fugitive PM Operating Program (as required by Condition 3.2(a)), and the Permittee shall also keep a record of activities completed according to the Fugitive PM Operating Program.

b. PM₁₀ Contingency Measure Plan

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM₁₀ Contingency Measure Plan reflecting the PM₁₀ emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM₁₀ Contingency Measure Plan.

c. Episode Action Plan

- i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.
- ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.
- iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iv. The Episode Action Plan, as submitted by the Permittee on July 25, 2013, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO₂, PM₁₀, NO₂, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.
- v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

d. **Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

3. Title I Requirements

a. i. **Construction Permit #11040040, #02110035 and *13020014 Requirements [T1]**

A. Pursuant to Construction Permit *#11040040, #02111035 and #13020014, the emissions of HAPs from the source shall be less than 10 tons/year for each individual HAP and 25 tons/year for all HAPs combined. This condition is being imposed so that the source is not a major source of HAP emissions

ii. Compliance Method (Construction Permit #11040040, #02110035 and #13020014)

Monitoring

A. Pursuant to 39.5(7)(b) of the Act, compliance with annual limits in Permit Condition 3.3(a)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Testing

B. Pursuant to 35 IAC 201.282 and Section 4(b) of the Act, to verify compliance with the requirements of Permit Condition 3.3(a)(i)(A) that this source is not a major source of HAPs, the following testing requirements are established:

I. If in the previous calendar year, emissions of HAPs exceeded 80% of major source threshold for individual or total HAPs (greater than 8 tons of a single HAP or greater than 20 tons of total HAPs), then testing for HAPs using USEPA Method 311 shall be conducted as follows:

Test the top five coatings, solvents and/or other HAP-containing materials used by the source that make the largest contributions to individual and total HAP emissions. The largest contributions are defined as the product of usage and HAP content. If two coatings differ only in pigment, then both do not have to be tested.

II. Testing may be conducted by the supplier of the HAP-containing material.

III. The calculation as to whether the 80% of major source threshold was exceeded shall be based on records and procedures in Condition 3.3(a)(ii)(C) and shall be completed by January 31 for the previous calendar year. If testing is required it shall be completed by March 15.

IV. Any such tests are also subject to the Testing Procedures of set forth in the General Permit Conditions of Section 7.1.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

Recordkeeping

- C. Pursuant to 39.5(7)(b) of the Act, the Permittee shall maintain the following records:
 - I. Individual and combined HAP emissions on a monthly and annual basis for the emission units covered by Section 4 (Emission Units Requirements) of this permit to demonstrate compliance with Permit Condition 3.3(a)(i)(A);
 - II. If testing is required by Condition 3.3(a)(ii)(B), keep records of the testing, including the test date, conditions, methodologies, calculations, test results, and any discrepancies between the test results and formulation specifications of Condition 3.3(a)(ii)(C)(III) below;
 - III. An MSDS or equivalent document showing the formulation of each coating, including content of all HAPs. These formulation sheets may be used to make the calculation of HAP emissions required by Condition 3.3(a)(ii)(B). If the formulation sheet uses a maximum or range value (e.g., less than 1% or range of 2 - 3%) then the highest value shall be used

b. i. **Construction Permits #11040040, #13020014, and #91030029 Requirements [T1]**

- A. Pursuant to Construction Permit #11040040, the VOM usage and emissions from the cleanup operations for the entire source shall not exceed the following limits:

Operation	VOM Usage		VOM Emissions	
	Tons/Mo	Tons/Yr	Tons/Mo	Tons/Yr
Cleanup	0.25	3.0	0.25	3.0

- B. Pursuant to Construction Permit #11040040 and #13020014, the uncontrolled VOM emissions from all cleanup operations at the source are less than the current applicability threshold in 35 IAC 218.187(a) of 500 lbs. per calendar month.
- C. Pursuant to Construction Permit #91030029 as modified by Permit #95120133, the Permittee shall ensure the usage of low VOM containing floor cleaning solution and blanket printer cleaning solution (BY PAS 1500 Series) shall not exceed 5,000 gallons per year for the entire source.

ii. Compliance Method (Construction Permits #11040040 and #13020014 and Permit #95120133)

Monitoring

- A. Pursuant to 39.5(7)(b) and (d) of the Act, compliance with the annual limits in Permit Condition 3.3(b)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month and the preceding 11 month (running 12 months total).

Recordkeeping

- B. Pursuant to 39.5(7)(b) and (e) of the Act, for cleanup operations for the entire source, the Permittee shall maintain the following records:
 - I. Name and Identification of each solvent used.
 - II. Density of each solvent used in lb/gallon.

Rexam Beverage Can Company
 I.D. No.: 031600BRL
 Permit No.: 095120133

Date Received: 08/12/2008
 Date Issued: TBD

- III. VOM Content of each solvent used in weight percent.
- IV. Amount of each solvent used in gallons/month and gallons/year.
- V. Amount of any solvent reclaimed for reuse or shipped offsite for disposal in gallons/month and gallon/year.
- V. VOM usage of all solvents used in tons/month and tons/year (running 12-month total) with supporting calculations.
- VI VOM Emissions of all solvent used in tons/month and tons/year (running 12-month total) with supporting calculations.

4. Synthetic Minor Limits

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
 - I. Requirements in Conditions 3.1(a)(i), 3.1(b), 3.1(c), 3.1(d), and 3.1(e).
 - II. Requirements in Conditions 3.2(a), 3.2(b), 3.2(c), and 3.2(d).
 - III. Requirements in Condition 3.3(a)(i), and 3.3(b)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

b. Semiannual Reporting

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

<u>Monitoring Period</u>	<u>Report Due Date</u>
January through June	July 31
July through December	January 31

- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

c. Annual Emissions Reporting

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source. The annual emissions report shall contain emissions information, including HAP emissions, for the previous calendar year.

Section 4 - Emission Unit Requirements

4.1 Can Coating/Printing Lines

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
BASE COATING LINE:					
Base Coater Unit (EU52*)	Opacity, PM, VOM/HAP	2005	N/A	None	None
Pin Oven 2.2 mmBtu/hr (EU23)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1982	N/A	None	None
PRINTING/COATING LINE #1:					
Coating Machine (EU11)	Opacity, PM, VOM/HAP	1982	N/A	None	None
Pin Oven 2.2 mmBtu/hr (EU21)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1982	N/A	None	None
Inside Spray Machine (EU31)	Opacity, PM, VOM/HAP	1982	N/A	None	None
Inside Bake Oven 5.2 mmBtu/hr (EU41)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1991	N/A	None	None
PRINTING/COATING LINE #2:					
Coating Machine (EU12)	Opacity, PM, VOM/HAP	1982	N/A	None	None
Pin Oven 2.2 mmBtu/hr (EU22)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1982	N/A	None	None
Inside Spray Machine (EU32)	Opacity, PM, VOM/HAP	1982	N/A	None	None
Inside Bake Oven 5.2 mmBtu/hr (EU42)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1991	N/A	None	None
PRINTING/COATING LINE #3:					
Coating Machine (EU14)	Opacity, PM, VOM/HAP	1982	N/A	None	None
Pin Oven 5.6 mmBtu/hr (EU24)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1995	N/A	Thermal Oxidizer 9.00 mmBtu/hr (CD01)	Continuous Temperature Monitor with strip chart recorder
Inside Spray Machine (EU33)	Opacity, PM, VOM/HAP	1982	N/A	None	None
Inside Bake Oven 18.00 mmBtu/hr (EU43)	Opacity, PM, SO ₂ , VOM/HAP NO _x	1995	N/A	Thermal Oxidizer 9.00 mmBtu/hr (CD01)	Continuous Temperature Monitor with strip chart recorder

* Basecoating applicator EU52 replaced Coating Line #2 applicator EU13 in previous Title V permit

2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

The requirements are applicable to the entire coating lines unless the permit condition specifically identifies the applicable process component (e.g. curing oven, thermal oxidizer)

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b) and 212.124.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each coating line, oven, or common stack in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the coating line or oven, maintenance and repair and/or adjustment of the operation. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 shall be conducted within one week in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep records for all opacity measurements made in accordance with USEPA Method 9.

b. i. Particulate Matter Requirements (PM)

A. Pursuant to 35 IAC 212.321, the Permittee shall follow Section 7.2(a) for new process emission units for which construction or modification commenced on or after April 14, 1972.

ii. Compliance Method (PM Requirements)

Recordkeeping

A. Pursuant to 35 IAC 266.115(a), the process weight rate for painting operations is calculated by using the weight of the paint and solvent used.

B. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep the following records related to PM emissions:

- I. The hours of operation of the coating line, hr/mo and hr/yr.
- II. Weight of coating material and solvents used in the coating lines, lbs/mo and lbs/yr.
- III. A file containing the method used by the Permittee to determine emissions of PM, with supporting documentation.
- IV. The emissions of PM from the coating lines, lbs/mo and tons/yr (12 month rolling average), with supporting calculations.

c. i. **Sulfur Dioxide Requirements (SO₂)**

- A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from the coating line ovens and associated thermal oxidizer to exceed 2000 ppm.

ii. Compliance Method (SO₂ Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, the Permittee shall use pipeline quality natural gas or natural gas certified by gas supplier that sulfur dioxide emissions in the flue gases will not exceed 2000 ppm shall be fired in the coating line ovens and associated thermal oxidizer.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) and (e) of the Act the Permittee shall maintain records of:
 - I. The hours of operation of the ovens and associated thermal oxidizer (hours/month);
 - II. Type and quantity of fuel fired in the ovens and associated thermal oxidizer (mmcf/month);
 - III. Certification documents from the gas supplier.

d. i. **Volatile Organic Material/Hazardous Air Pollutant Requirements (VOM/HAP)**

- A. Pursuant to 40 CFR 60.492, the Permittee shall not discharge or cause the discharge of VOC emissions to the atmosphere that exceed the following volume-weighted calendar-month average emissions:
 - I. 0.29 kilogram of VOC per liter of coating solids from each two-piece can exterior base coating operation, except clear base coat;
 - II. 0.46 kilogram of VOC per liter of coating solids from each two-piece can clear base coating operation and from each overvarnish coating operation; and
 - III. 0.89 kilogram of VOC per liter of coating solids from each two-piece can inside spray coating operation.
- B. Pursuant to 40 CFR 60.1, the provisions of 40 CFR 60 Subpart A apply to the Permittee except as specifically excluded in 40 CFR 60.493.

**Section 4 - Emission Unit Requirements
4.1 - Can Coating/Printing Lines**

- C. Pursuant to 35 IAC 218.204(b), the Permittee shall not apply at any time any coating in which the volatile organic material content exceeds the following emission limitation for the specified coating:

Can Coating	VOM Content	
	Kg/l	lb/gal
Exterior Basecoat (Bottom Varnish) and Overvarnish	0.25	2.1
Interior Body Spray Coat - Two Piece	0.44	3.7

NOTE: The above VOM Content limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds, which are specifically, exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition.

NOTE: Coating Line #3 is subject to the limits in Condition 4.1.2(d)(i)(C). However, the Permittee has chosen to comply with the alternative emission limitations in 35 IAC 218.207 for operating a coating line with a capture system and control device. Section 4.1.2(f) of this permit contains the applicable conditions for Coating Line #3.

- D. Pursuant to the Construction Permits noted below, the VOM usage and VOM emissions shall not exceed the following limits: [T1]

Coating Line	VOM Usage		VOM Emissions		Construction Permit
	Tons/Month	Tons/Year	Tons/Month	Tons/Year	
Basecoating Line	N/A	N/A	2.11	20.0	#05050080
Coating Lines #1 & #2 (Combined)	15.8	157.03	15.8	157.03	#13020014
Coating Line #3				23.6	#11040040
- Overvarnish Operation*	2.7	26.6	0.7	6.4	#11040040
- Inside Spray Operation	7.2	71.4	1.7	17.2	#11040040
Inks**	1.5	18.0	N/A	N/A	#91030029

* Includes varnish, rim varnish and inks.

** The volatile fraction of each ink, as it is applied to the can, less water and exempt compounds, shall be 40 percent or less by volume.

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Construction Permit #05050080, #13020014, #11040040, and #91030029, compliance with the annual limits in Permit Condition 4.1.2(d)(i)(C) shall be determined on a monthly basis from the sum of the data for the current month and the preceding 11 month (running 12 months total). [T1]

Testing

- B. Pursuant to 40 CFR 60.493(b) and 35 IAC 218.204, the Permittee shall determine the VOC content of the coating material from formulation data supplied by the manufacturer or by an analysis of each coating material, as received, using USEPA Method 24. The Permittee shall use the manufacturers supplied VOC content or VOC Method 24 analysis result to verify compliance,

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

each calendar month, with the limitations in Permit Condition 4.1.2(d)(i)(A) in accordance with the following:

- I. For Basecoating Line and Coating Lines #1 and #2, the Permittee shall use the procedures and formulas in 40 CFR 60.493(b)(1).
- II. For Coating Line #3, the Permittee shall use the procedures and formulas in 40 CFR 60.493(b)(2).

Recordkeeping

- C. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall maintain the following records for each ink:
 - I. Name and identification of each ink used.
 - II. Density of each ink used in lbs/gallon.
 - III. VOM Content of each ink used (weight %).
 - IV. HAP Content of each ink used (weight %).
- D. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall maintain the following records for each coating material:
 - I. Name and identification of coating material used.
 - II. Density of each coating material used in lbs/gallon.
 - III. VOM Content of each coating material used, minus water and compounds specifically exempt from definition of VOM, in lbs VOM/gal and lbs VOM/gallon solids.
 - IV. HAP Content of each coating material used in lbs HAP/gal and lbs HAP/gallon solids.
- E. Pursuant to 39.5(7)(b) and (e) of the Act and 35 IAC 218.211(c)(2), the Permittee shall maintain the following records for each coating line:
 - I. Name and identification of each coating material and ink applied.
 - II. VOM/HAP Content of each coating (minus water and any exempted compounds) as applied each day at the coating applicator in lb/gallon.
 - III. Amount of coating material applied (gal/day, gal/month, gal solids/month).
 - IV. Amount of each ink applied (lbs/day, lbs/month).
 - V. Volatile fraction of all inks as applied, less water and other exempt compounds, in percent by volume.
 - VI. VOM usage of all coating materials and inks applied in tons/month and tons/year (running 12 month total) with supporting calculations.
 - VII. VOM/HAP emissions in tons/month and tons/year (running 12-month total) with supporting calculations.
 - VIII. The maximum firing rate of each coating oven.

Section 4 - Emission Unit Requirements
4.1 - Can Coating/Printing Lines

- F. Pursuant to 40 CFR 60.495(d), the Permittee shall maintain at the source records of all data and calculations used to determine VOC emissions from coating lines in accordance with Condition 4.1.2(d) (ii) (B).
- G. Pursuant to 35 IAC 218.204 compliance with the VOM content emission limitations in condition 4.1.2(d) (i) (C) must be demonstrated through the recordkeeping and reporting requirements specified in 35 IAC 218.211(c).
- H. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, Coating Line #3 is subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.4 and Table 7.4.1, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

e. i. Nitrogen Oxide Requirements (NO_x)

- A. Pursuant to Construction Permit #02110035, emissions from and operation of each combustion equipment in Coating Lines #1 and #2 shall not exceed the following limits: [T1]

<u>Equipment</u>	<u>Firing rate</u>	<u>NO_x Emissions</u>	
		<u>(Lb/hr)</u>	<u>(Ton/Year)</u>
Pin Oven	5.6	0.53	2.34
Bake Oven	5.5	0.52	2.28

- B. Pursuant to Construction Permit 95050064, emissions and operation of equipment in Coating Line #3 shall not exceed the following limits: [T1]

<u>Equipment</u>	<u>Firing rate (mmBtu/hr)</u>	<u>NO_x Emissions</u>	
		<u>(Lb/Hr)</u>	<u>(Ton/Year)</u>
Pin Oven	5.6	0.53	2.34
Bake Oven	5.2	0.50	2.17
Afterburner	9.0	0.86	3.75

ii. Compliance Method (NO_x Requirements)

Monitoring

- A. Pursuant to 39.5(7) (b) and (e) of the Act, compliance with the annual limits in Permit Condition 4.1.2(e) (i) (A & B) shall be determined on a monthly basis from the sum of the data for the current month and the preceding 11 month (running 12 months total).

Recordkeeping

- B. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain the following records for each coating line:
 - I. Total firing rate of the coating lines (mmBtu/hr).
 - II. Total nitrogen oxide (NO_x) emissions (lb/hr and tons/year), with all supporting data and calculations.

f. i. Operational and Production Requirements

- A. Pursuant to 35 IAC 218.207(a) for Coating Line #3, the Permittee shall operate the capture and control device at all times the coating line is in operation.
- B. Pursuant to 35 IAC 218.207(h)(2) for Coating Line #3, the Permittee shall not operate the coating line without the capture system and control device that provides at least 75 percent reduction in the overall emissions of VOM from the coating line and the control device has at least 90 percent efficiency.
- C. Pursuant to 35 IAC 218.105(d)(2)(A)(i), the Permittee shall calibrate, maintain and operate the afterburner combustion chamber temperature monitor for Coating Line #3 according to vendor specifications at all times the control device is in use.
- D. Pursuant to Construction Permit #95050064, the afterburner combustion chamber for coating line #3 shall be preheated to at least the manufacturer's recommended temperature but not lower than 1400°F before the can coating process is begun. This temperature shall be maintained during operation. [T1]
- E. Pursuant to Construction Permit #05050080, the total amount of basecoat usage in the basecoating line shall not exceed 4,310 gallons/month and 41,000 gallons/year. [T1]
- F. Pursuant to Construction Permit #02110035, the production from coating line #1 and #2 combined shall not exceed 136 million cans/month and 1,470 million cans/year. [T1]

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to 40 CFR 60.494 for Coating Line #3, the Permittee shall calibrate, maintain and operate a temperature measurement device in accordance with the following:
 - I. The temperature measurement device shall be located in the firebox of the thermal oxidizer.
 - II. The temperature measurement device shall be calibrated and maintained in accordance with manufacture's specifications and shall have an accuracy of 0.75 percent of the temperature being measured, expressed in degrees Celsius, or $\pm 2.5^{\circ}\text{C}$, whichever is greater.
 - III. A recording device shall be maintained for the temperature measurement device so that a permanent continuous record is produced.
- B. Pursuant to Construction Permit #05050080 and #021110035, Compliance with the annual limit in Permit Condition 4.1.2(f)(i)(E) and (F) shall be determined on a monthly basis from the sum of the data for the current month and the preceding 11 month (running 12 months total). [T1]
- C. Pursuant to 35 IAC 218.207(a) and 39.5(7)(b) and(d) of the Act for Coating Line #3, the Permittee shall comply with the following:
 - I. Ensure the afterburner is equipped with applicable monitoring equipment specified in 35 IAC 218.105(d).

Section 4 - Emission Unit Requirements
4.1 - Can Coating/Printing Lines

- II. Calibrate the monitoring equipment at least every 12 months according to vendor specifications at all times the control device is in use.
- D. Pursuant to 39.5(7)(b) and (d) of the Act, the afterburner and capture system for coating line #3 will be thoroughly inspected by a third party on an annual basis and repaired as necessary to maintain system as originally designed

Testing

- E. Pursuant to 35 IAC 218.207(a) for Coating Line #3, the Permittee shall demonstrate compliance with 35 IAC 218.207(h) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in 35 IAC 218.105;
- F. Pursuant to 39.5(7)(b) and (d) of the Act for Coating Line #3, the Permittee must test the capture system and control device for compliance with the limitations in Condition 4.1.2(f)(i)(B) as specified below:
 - I. The capture system efficiency must be tested in accordance with 35 IAC 218.105(c)(2) within 5 years of the issue date of this permit and every 20 years thereafter.
 - II. The control device destruction efficiency must be tested in accordance with 35 IAC 218.105(d) within 2.5 years of the issue date of this permit and every 5 years thereafter.
 - III. The capture system efficiency and control device destruction efficiency must be retested within 180 calendar days of any capture system modification or control device replacement which would impact previously completed analysis results.

Recordkeeping

- G. Pursuant to 40 CFR 60.495(d), the Permittee maintain daily records of the thermal oxidizer firebox combustion temperature.
- H. Pursuant to 35 IAC 218.207(a) for Coating Line #3, the Permittee shall maintain records as required by 35 IAC 218.211(e).
- I. Pursuant to 35 IAC 218.211(e)(2) for Coating Line #3, the Permittee shall collect and record the following information each day:
 - I. Control device monitoring data;
 - II. A log of operating time for the capture system, control device, and monitoring equipment.
 - III. A maintenance log for the capture system, control device, and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- J. Pursuant to Construction Permit #05050080, the Permittee shall maintain records of the quantity of coating material used in basecoat line in gallons/month and gallons/year. [T1]
- K. Pursuant to Construction Permit #02110035, the Permittee shall maintain records of the total production in Coating Lines #1 and #2 in cans/month and cans/year. [T1]

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- L. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain a copy of vendor specifications and recommended operating practices for the capture system, control device, and any associated monitoring equipment.
- M. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain documentation of the annual inspection completed in accordance with Condition 4.1.2(f)(ii)(D) including any necessary repairs completed as a result of the inspection.
- N. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain copies of all test results completed in accordance with Condition 4.1.2(f)(ii)(F) as well as documentation of all test notifications and test submittal of test results completed to comply with the requirements of this permit.

g. i. Work Practice Requirements

- A. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source..

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform monthly inspections of the coating line and associated auxiliary equipment.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

3. Non-Applicability Determinations

- a. The coating lines are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for HAP Emissions, 40 CFR Part 63 Subpart KKKK, because the coatings lines are not located at a major source for hazardous air pollutants.
- b. The coating lines are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for HAP Emissions, 40 CFR Part 63 Subpart HHHHHH, Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, because the coating lines do not use any coatings that contain target HAP, i.e., compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd) specified in 40 CFR 63.11169(c).
- c. Pursuant to 35 IAC 214.304, the coating line ovens are not subject to 35 IAC 214 Subpart B through F, because the ovens burn exclusively natural gas.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- d. The coating line ovens are not subject to the CO limitations in 35 IAC 216.121, because the ovens are not fuel combustion emission units as defined by 35 IAC 211.2470.
- e. The coating line ovens are not subject to the NO_x limitations in 35 IAC 217.180, because the ovens are not process heaters as defined by 35 IAC 211.5195.
- f. Pursuant to 35 IAC 218.209, the coating lines are not required to meet the limitations of 35 IAC 218 Subpart G in 35 IAC 218.301 and 218.302 because the costing lines are subject to the VOM usage limitations of 35 IAC 218.204.
- g. The coating lines are not subject to the requirements for lithographic printing in 35 IAC 218.405 through 218.411 because the can coating lines do not meet the definition of lithographic printing line found at 35 IAC 211.3450.
- h. The Base Coating line and Coating Lines #1 and #2 are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources of VOM, because these coating lines do not use add-on control device to achieve compliance with these emission limits or standards.
- i. The coating lines is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources of PM and SO₂, because the coating lines do not use an add-on control device to achieve compliance with these emission limitations or standards.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.1.2(a)(i), 4.1.2(b)(i), 4.1.2(c)(i), 4.1.2(d)(i), 4.1.2(e)(i), 4.1.2(f)(i) and 4.1.2(g)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

b. Federal Reporting

- i. Pursuant to 40 CFR 60.495(b) following the initial performance test on Coating Line #3, the Permittee shall identify, record, and submit quarterly reports to the IEPA of each instance in which the volume-weighted average of the total mass of VOC per volume of coating solids, after the thermal oxidizer is greater than the limit specified under 40 CFR 60.492. If no such instances occur during a particular quarter, a report stating this shall be submitted to the IEPA semiannually.
- ii. Pursuant to 40 CFR 60.495(c) following the initial performance test on Coating Line #3, the Permittee shall identify, record and submit at the frequency in 40 CFR 60.7(c) each 3-hour period when cans are processed, during which the average temperature of the device was more than 28°C below the average temperature of the device during the most recent performance test at which destruction efficiency was determined as specified under 40 CFR 60.493. If no such period occurred then the Permittee shall state this in the report.

4.2 Can Bodymakers and Washer/Dryer

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Can Bodymakers (EU05)	Opacity, PM, Organic Material	12 in 1982 6 in 1995 1 in 2003	N/A	Oil Mist Collection System -(See NOTE 1) (CD02)	None
Can Washer Dryer 3.2 mmBtu/hr (EU03)	Opacity, PM, SO ₂ , NO _x	1982	N/A	None	None
Can Washer Dryer 4.5 mmBtu/hr (EU04)	Opacity, PM, SO ₂ , NO _x	1995	N/A	None	None

NOTE 1: The source contends that the oil mist collection system was installed to improve air quality within the facility for their employees. The control device is not needed to comply with applicable emission limitations for PM or organic material.

2. Applicable Requirements

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b) and 212.124.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the emission units in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the emission units, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each opacity observation performed. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a

Rexam Beverage Can Company
 I.D. No.: 031600BRL
 Permit No.: 095120133

Date Received: 08/12/2008
 Date Issued: TBD

description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

- C. Pursuant to Section 39.5(7) (b) and (e) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321, the Permittee shall follow Section 7.2(a) for new process emission units for which construction or modification commenced on or after April 14, 1972.

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(b) and (d) of the Act, the Permittee shall monitor material throughput for the bodymakers, including aluminum and lubrication oil, to ensure compliance with the process weight rate limitation in Condition 4.2.2(b)(i)(A).

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records of the following:
- I. Material throughput for the bodymakers including aluminum and lubrication oil (lbs/hr, tons/month and tons/year).
- II. The annual emissions of PM (tons/month, tons/year) with supporting calculations.

c. i. Sulfur Dioxide Requirements (SO₂)

- A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.
- B. Pursuant to 35 IAC 214.303, the use of sulfuric acid shall not cause or allow the emission of sulfuric acid and/or sulfur trioxide from the can washers to exceed:
- I. 45.4 grams in any one hour period for sulfuric acid usage less than 1180 Mg/yr (100 percent acid basis) (0.10 lbs/hr up to 1,300 T/yr);
- II. 250 grams per metric ton of acid used for sulfuric acid usage greater than or equal to 1180 Mg/yr (100 percent acid basis) (0.50 lbs/T over 1,300 T/yr).

ii. Compliance Method (SO₂ Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (d) of the Act, the Permittee shall use pipeline quality natural gas or natural gas certified by gas supplier that sulfur dioxide emissions in the flue gases will not exceed 2000 ppm shall be fired in the coating line ovens and associated thermal oxidizer.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) and (e) of the Act the Permittee shall maintain records of:
 - I. The hours of operation of the can washer dryers (hours/month);
 - II. Type and quantity of fuel fired in the can washer dryers (mmcf/month);
 - III. Certification documents from the gas supplier; and
 - IV. Annual emissions of sulfuric acid mist/sulfur trioxide with supporting calculations.

d. i. Organic Material Requirements

- A. Pursuant to 35 IAC 218.301, the Permittee shall not cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from the can bodymakers, except if no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, as defined by 35 IAC 4690.

ii. Compliance Method (Organic Material Requirements)

Recordkeeping

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records to demonstrate that maximum organic material discharge from the bodymakers complies with the requirements of Condition 4.2.2(d)(i)(A).

e. i. Nitrogen Oxide Requirements (NO_x)

- A. Pursuant to Construction Permit #9505064, the Permittee shall ensure emissions and operation of equipment shall not exceed the following limits:
[T1]

<u>Item of Equipment</u>	<u>Firing Rate (mmBtu/hr)</u>	<u>NO_x Emissions</u>	
		<u>(lb/hr)</u>	<u>(ton/yr)</u>
Washer Dryer (EU04)	4.5	0.43	1.88

ii. Compliance Method (NO_x Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with the annual limits in Permit Condition 4.2.2(d)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month and the preceding 11 month (running 12 months total).

Recordkeeping

- B. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the firing rate (mmBtu/hr) and NO_x emissions (lb/hr and tons/year) with supporting calculations.

f. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired in the can washer dryers.

Rexam Beverage Can Company
 I.D. No.: 031600BRL
 Permit No.: 095120133

Date Received: 08/12/2008
 Date Issued: TBD

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Permit 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records of nature gas consumption of the dryers (mmscf/month and mmscf/year).

g. i. Work Practice Requirements

- A. Pursuant to 39.5(7) (a) of the Act, at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Section 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform monthly inspections of the can bodymakers, can washers/dryers and associated auxiliary equipment.

Recordkeeping

- B. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

3. Non-Applicability Determinations

- a. The can dryer is not subject to the PM limitation in 35 IAC 212.206, because the dryer is not exclusively liquid fueled and is only fueled by natural gas.
- b. The can dryer not subject to PM limitation in 35 IAC 212.321 because the dryer is a fuel combustion unit as defined by 35 IAC 211.2470.
- c. Pursuant to 35 IAC 214.304, the can washer dryers are not subject to 35 IAC 214 Subpart B through F, because they burn exclusively natural gas.
- d. The can dryer is not subject to the CO limitations 35 IAC 216.121, because the dryer has maximum heat input less than 10 mmBtu/hr.
- e. The can bodymakers are not subject to any SO₂, CO, or NO_x limitations in 35 IAC 214, 216, or 217 because no fuel is combusted during operation of the bodymaking portion of the can manufacturing process and these pollutants would not be emitted.
- f. The can washer is not subject to the CO, or NO_x limitations in 35 IAC 216, or 217 because no fuel is combusted during the washing portion of the can manufacturing process and these pollutants which not be emitted.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- g. The can dryer is not subject to the organic material limitations in 35 IAC 218.301, because fuel combustion emission units, as defined by 35 IAC 211.2470, are specifically exempt by 35 IAC 218.303.
- h. The can bodymakers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for PM, because they do not have potential pre-control device emissions of PM that equals or exceeds major source threshold levels.
- i. The can bodymakers, washer and dryer are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for any other pollutant, because they do not use an add-on control devices to achieve compliance with an emission limitation or standard.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7) (f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7) (f) (ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.2.2(a)(i), 4.2.2(b)(i), 4.2.2(c)(i), 4.2.2(d)(i), 4.2.2(e)(i), 4.2.2(f)(i) and 4.2.2(g)(i).
 - B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

4.3 Natural Gas Fired Boilers and Makeup Air Units

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Boiler 5.20 mmBtu/hr (EU01)	Opacity, NO _x	1992	N/A	None	None
Makeup Air Unit 9.63 mmBtu/hr (EU06)	Opacity, NO _x	1982 & 1995	N/A	None	None
Makeup Air Unit 9.63 mmBtu/hr (EU07)	Opacity, NO _x	1982 & 1995	N/A	None	None
Makeup Air Unit 9.63 mmBtu/hr (EU08)	Opacity, NO _x	1982 & 1995	N/A	None	None
Makeup Air Unit 6.88 mmBtu/hr (EU09)	Opacity, NO _x	1982 & 1995	N/A	None	None

NOTE: Requirements applicable to Boiler EU02, replaced under Construction Permit #13050017, are in Section 4.4 of this Permit because additional T1 limits on criteria pollutants and GHG were imposed which were not previously applicable to boiler EU02.

2. Applicable Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b) and 212.124.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the boiler in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the boiler, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each opacity observation performed. These records shall include, at a minimum: date and time the observation was performed, name(s)

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

Section 4 - Emission Unit Requirements
4.3 - Natural Gas Fired Boilers and Makeup Air Units

of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

- C. Pursuant to Section 39.5(7) (b) and (e) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

b. i. Nitrogen Oxide Requirements (NO_x)

- A. Pursuant to Construction Permit #95050064 and Permit #95120133, the Permittee shall not allow emissions from the boilers and makeup air units to exceed the following limits: [T1]

<u>Item of Equipment</u>	<u>Firing Rate (mmBtu/hr)</u>	<u>NO_x Emissions (lb/hr)</u>	<u>(ton/yr)</u>
Boiler (EU01)	5.2	0.5	2.17
Makeup Air Unit (EU06)	9.63	0.92	4.02
Makeup Air Unit (EU07)	9.63	0.92	4.02
Makeup Air Unit (EU08)	9.63	0.92	4.02
Makeup Air Unit (EU09)	6.88	0.65	2.87

ii. Compliance Method (NO_x Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.3.2 (b)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- B. Pursuant to Section 39.5(7) (a), the Permittee shall comply with the following inspection and tune-up requirements, at a minimum, for the boiler and makeup air units. Inspections/tune-ups shall be conducted biennially but no later than 25 months after the previous one:
 - I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, but each burner shall be inspected at least once every 36 months).
 - II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.

Recordkeeping

- C. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records of the firing rate (mmBtu/hr) and NO_x emissions (tons/month, tons/year on rolling 12-month basis) with supporting calculations.
- D. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall keep records of each biennial inspection/tune-up performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel,

Rexam Beverage Can Company
 I.D. No.: 031600BRL
 Permit No.: 095120133

Date Received: 08/12/2008
 Date Issued: TBD

identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

c. i. Operational and Production Requirements

A. Pursuant to Section 39.5(7) (a) of the Act, pipeline quality natural gas shall be the only fuel fired in the boiler and makeup air units.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the natural gas consumed in mmcf/month and mmcf/year on a rolling 12 month basis

3. Non-Applicability Determinations
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- a. The boiler and makeup air units are not subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subpart Dc, because the these steam generating units have a maximum heat input less than 10 mmBtu/hr.
- b. The boiler and makeup air units are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, 40 CFR Part 63 Subpart DDDDD, because the boiler and makeup air units are not located at a major source of HAP emissions.
- c. The boiler and makeup air units are not subject to NESHAP for Area Sources: Industrial, Commercial and Institutional Boilers, 40 CFR 63 Subpart JJJJJJ, because the boiler and makeup air units are fueled exclusively by natural gas, which is specifically excluded by 40 CFR 63.11195 as defined in 40 CFR 63.11237.
- d. The boiler and makeup air units are not subject to the PM limitation in 35 IAC 212.201 or 212.206 because they are not exclusively solid or liquid fueled and are only fueled by natural gas.
- e. The boiler and makeup air units are not subject to the fugitive PM limitations in 35 IAC 212.316, because they is located outside the area defined by 35 IAC 212.324(a)(1)(c).
- f. The boiler and makeup air units are not subject to PM limitation in 35 IAC 212.321 because they are fuel combustion unit as defined by 35 IAC 211.2470.
- g. The boiler and makeup air units are not subject to SO₂ limitations in 35 IAC 214.122, 214.141, 214.161 or 214.162, because they are not exclusively fueled by solid or liquid fuels and are only fueled by natural gas.
- h. The boiler and makeup air units are not subject to the SO₂ limitations in 35 IAC 214.301 because they are fuel combustions emission sources as defined by 35 IAC 211.2470.
- i. The boiler and makeup air units are not subject to the CO limitations 35 IAC 216.121, because these fuel combustions emission units have maximum heat input less than 10 mmBtu/hr.
- j. The boiler and makeup air units are not subject to the NO_x limitations 35 IAC 217.141, because these existing fuel combustions emission units have maximum heat input less than 250 mmBtu/hr.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- j. The boiler and makeup air units are not subject to the NO_x limitations 35 IAC 217 Subpart E, because they do not have a potential to emit NO_x emissions greater than 100 tons per year and they are subject to a federally enforceable NO_x emission limits less than 5 tons/year in Permit Condition 4.3.2(b) (i) (A).
- k. The boiler and makeup air units are not subject to the organic material limitations in 35 IAC 218.301, because fuel combustion emission units, as defined by 35 IAC 211.2470, are specifically exempt by 35 IAC 218.303.
- l. The boiler and makeup air units are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for any pollutant, because these boilers and makeup air units do not use an add-on control devices to achieve compliance with an emission limitation or standard.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7) (f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7) (f) (ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.3.2(a) (i), 4.3.2(b) (i), and 4.3.2(c) (i).
 - B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

4.4 Natural Gas Fired Boiler (EU02)

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Boiler < 6.0 mmBtu/hr (EU02)	PM/PM ₁₀ , VOM, SO ₂ , CO, NO _x and GHG	2013	N/A	None	None

2. Applicable Requirements

For the emission unit in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b) and 212.124.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the boiler in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the boiler, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each opacity observation performed. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7) (b) and (e) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

b. i. Particulate Matter Requirements (PM)

A. Pursuant to Construction Permit #13050017, emissions of PM/PM₁₀ from the boiler shall not exceed 0.1 lb/hr and 0.44 ton/year. [T1]

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.4.2 (b)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

Recordkeeping

- B. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records PM/PM₁₀ emissions from the boiler (tons/month, tons/year) with supporting calculations.

c. i. **Sulfur Dioxide Requirements (SO₂)**

- A. Pursuant to Construction Permit #13050017, emissions of SO₂ from the boiler shall not exceed 0.1 lb/hr and 0.44 ton/year. [T1]

ii. Compliance Method (SO₂ Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.4.2 (c)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

Recordkeeping

- B. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records SO₂ emissions from the boiler (tons/month, tons/year) with supporting calculations.

d. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to Construction Permit #13050017, emissions of VOM from the boiler shall not exceed 0.1 lb/hr and 0.44 ton/year. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.4.2 (d)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

Recordkeeping

- B. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records VOM emissions from the boilers (tons/month, tons/year) with supporting calculations.

e. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to Construction Permit #13050017, emissions of CO from the boiler shall not exceed 0.5 lb/hr and 2.2 ton/year. [T1]

ii. Compliance Method (CO Requirements)

Monitoring

Section 4 - Emission Unit Requirements
4.4 - Natural Gas Fired Boiler (EU02)

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.4.2 (e)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- B. Pursuant to Section 39.5(7) (d), the Permittee shall comply with the following inspection and tune-up requirements, at a minimum, for the boiler. Inspections/tune-ups shall be conducted biennially but no later than 25 months after the previous one:
 - I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown).
 - II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
 - IV. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
 - V. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

Recordkeeping

- C. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records CO emissions from the boiler (tons/month, tons/year) with supporting calculations.
- D. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall keep records of each biennial inspection/tune-up performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

f. i. Nitrogen Oxide Requirements (NO_x)

- A. Pursuant to Construction Permit #13050017, emissions of NO_x from the boiler shall not exceed 0.6 lb/hr and 2.6 ton/year. [T1]

ii. Compliance Method (NO_x Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.4.2 (f)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months. [T1]

Recordkeeping

- B. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records NO_x emissions from the boiler (tons/month, tons/year) with supporting calculations.

g. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7) (a) of the Act, pipeline quality natural gas shall be the only fuel fired in the boiler.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7) (b) and (e) of the Act, the Permittee shall maintain the following operational records:

- I. **Records of the maximum design heat input capacity of the boiler (mmBtu/hr) with supporting documentation.**

- II. **Records of natural gas consumed in scf/month and scf/year.**

h. i. Greenhouse Gas (GHG) Requirements

- A. Pursuant to Construction Permit #13050017, emissions of GHG, as carbon dioxide equivalents (CO₂e), from the boiler shall not exceed 3,500 ton/year. [T1]

ii. Compliance Method (GHG Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (e) of the Act, compliance with annual limits in Condition 4.4.2 (h)(i)(A) shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

Recordkeeping

- B. Pursuant to 39.5(7) (b) and (e) of the Act, the Permittee shall maintain records GHG emissions from the boiler, as carbon dioxide equivalents (CO₂e), (tons/month, tons/year) with supporting calculations.

3. Non-Applicability Determinations

- a. The boiler is not subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subpart Dc; because the boiler has a maximum heat input less than 10 mmBtu/hr.
- b. The boiler is not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, 40 CFR Part 63 Subpart DDDDD, because the boiler is not located at a major source of HAP emissions.
- c. The boiler is not subject to NESHAP for Area Sources: Industrial, Commercial and Institutional Boilers, 40 CFR 63 Subpart JJJJJJ, because the boiler is fueled exclusively by natural gas, which is specifically excluded by 40 CFR 63.11195 as defined in 40 CFR 63.11237.
- d. The boiler is not subject to the PM limitation in 35 IAC 212.201 or 212.206 because the boiler is not exclusively solid or liquid fueled and is only fueled by natural gas.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- e. The boiler is not subject to the fugitive PM limitations in 35 IAC 212.316, because the boiler is located outside the area defined by 35 IAC 212.324(a) (1) (c).
- f. The boiler is not subject to PM limitation in 35 IAC 212.321 because the boiler is a fuel combustion unit as defined by 35 IAC 211.2470.
- g. The boiler is not subject to SO₂ limitations in 35 IAC 214.122, because the boiler is not exclusively fueled by solid or liquid fuels and is only fueled by natural gas.
- h. The boiler is not subject to the SO₂ limitations in 35 IAC 214.301 because they are fuel combustions emission sources as defined by 35 IAC 211.2470.
- i. The boiler is not subject to the CO limitations 35 IAC 216.121, because the boiler has maximum heat input less than 10 mmBtu/hr.
- j. The boiler is not subject to the NO_x limitations 35 IAC 217 Subpart E, because the boiler does not have a potential to emit NO_x emissions greater than 100 tons per year and the boiler is subject to a federally enforceable NO_x emission limit less than 5 tons/year in Permit Condition 4.4.2(f) (i) (A).
- k. The boiler is not subject to the organic material limitations in 35 IAC 218.301, because fuel combustion emission units, as defined by 35 IAC 211.2470, are specifically exempt by 35 IAC 218.303.
- l. The boiler is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for any pollutant, because the boiler does not use an add-on control devices to achieve compliance with an emission limitation or standard.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7) (f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7) (f) (ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.4.2(a) (i), 4.4.2(b) (i), 4.4.2(c) (i), 4.4.2(d) (i), 4.4.2(e) (i), 4.4.2(f) (i), 4.4.2(g) (i), and 4.4.2(h) (i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

Section 4 - Emission Unit Requirements
4.4 - Natural Gas Fired Boiler (EU02)

- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

Section 5 - Additional Title I Requirements

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

Section 6 - Insignificant Activities Requirements

1. Insignificant Activities Subject to Specific Regulations

This condition is reserved for insignificant activities as defined in 35 IAC 201.210 and 201.211 which are subject to specific standards promulgated pursuant Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Inside Spray Tank	1	35 IAC 201.210(a)(1) and 201.211
Waste Oil Tank	1	35 IAC 201.210(a)(2) or (a)(3)
Storage tanks < 10,000 gallon with annual throughput < 100,000 gallon (not storing gasoline or any material listed as a HAP).	1	35 IAC 201.210(a)(10)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	1	35 IAC 201.210(a)(11)

3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b) (1) through (28) as being present at the source. The source is not required to individually list the activities.

4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.
- c. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.
- d. Pursuant to 35 IAC 218.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 218.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

- e. Pursuant to 35 IAC 218.182, for each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 218.182, except as provided in 35 IAC 218.181.

5. Compliance Method

Pursuant to Section 39.5(7) (b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed.
- b. Potential to emit emission calculations before any air pollution control device for each insignificant activity.

6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

a. Notification 7 Days in Advance

- i. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12) (a) and (b) of the Act; for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) (1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. A construction permit is not required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
 - A. A description of the emission unit including the function and expected operating schedule of the unit.
 - B. A description of any air pollution control equipment or control measures associated with the emission unit.
 - C. The emissions of regulated air pollutants in lb/hr and ton/yr.
 - D. The means by which emissions were determined or estimated.
 - E. The estimated number of such emission units at the source.
 - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12) (a) and (b) of the Act; for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) (2) through 201.210(a) (18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. A construction permit is not required. Addresses are included in Attachment 3.
- iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any change made in Condition 6.6(a) above.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

b. Notification Required at Renewal

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit. A construction permit is not required.

c. Notification Not Required

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required. A construction permit is not required.

Section 7 - Other Requirements

1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
 - i. The name and identification of the emission unit(s) being tested.
 - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
 - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
 - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
 - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
 - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
 - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
 - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.7(a) of the Act as follows:
 - i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
 - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.7(a) of the Act. The Final Report shall include as a minimum:

- i. General information including emission unit(s) tested.
 - ii. A summary of results.
 - iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).
 - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
 - v. Detailed description of test conditions, including:
 - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
 - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
 - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
 - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
 - vii. An explanation of any discrepancies among individual tests or anomalous data.
 - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
 - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
 - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7) (e) (ii) of the Act.

2. PM Process Weight Rate Requirements

a. New Process Emission Units - 35 IAC 212.321

New Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972. [35 IAC 212.321]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of PM from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c). See Condition 7.2(a) (iii) below. [35 IAC 212.321(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.321(c) shall be determined by using the equation: [35 IAC 212.321(b)]

$$E = A (P)^B$$

Where:

P = Process weight rate (T/hr)
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 2.54
B = 0.53

B. Process weight rates greater than or equal to 450 T/hr:

A = 24.8
B = 0.16

iii. Limits for New Process Emission Units: [35 IAC 212.321(c)]

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	14.00
0.10	0.77	30.00	15.60
0.20	1.10	35.00	17.00
0.30	1.35	40.00	18.20
0.40	1.58	45.00	19.20
0.50	1.75	50.00	20.50
0.75	2.40	100.00	29.50
1.00	2.60	150.00	37.00
2.00	3.70	200.00	43.00
3.00	4.60	250.00	48.50
4.00	5.35	300.00	53.00
5.00	6.00	350.00	58.00
10.00	8.70	400.00	62.00
15.00	10.80	450.00	66.00
20.00	12.50	500.00	67.00

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

3. Emissions Reduction Market System (ERMS) Requirements

- a. Pursuant to 35 IAC Part 205, this source is considered a "participating source" for purposes of the ERMS.
- b. Obligation to Hold Allotment Trading Units (ATUs)
- i. Pursuant to 35 IAC 205.150(c)(1) and 35 IAC 205.720, and as further addressed by Condition 7.3(g), as of December 31 of each year, this source shall hold ATUs in its account in an amount not less than the ATU equivalent of its VOM emissions during the preceding seasonal allotment period (May 1 - September 30), not including VOM emissions from the following, or the source shall be subject to "emissions excursion compensation," as described in Condition 7.3(d):
- A. VOM emissions from insignificant emission units and activities as identified in Section 6 of this permit, in accordance with 35 IAC 205.220.
- B. Excess VOM emissions associated with startup, malfunction, or breakdown of an emission unit as authorized in Section 4 of this permit, in accordance with 35 IAC 205.225.
- C. Excess VOM emissions to the extent allowed by a Variance, Consent Order, or Compliance Schedule, in accordance with 35 IAC 205.320(e)(3).
- D. Excess VOM emissions that are a consequence of an emergency as approved by the IEPA, pursuant to 35 IAC 205.750.
- E. VOM emissions from certain new and modified emission units as addressed by Condition 7.3(g)(ii), if applicable, in accordance with 35 IAC 205.320(f).
- ii. In accordance with 35 IAC 205.150(c)(2), notwithstanding the Condition 7.3(b)(i) above, if a source commences operation of a major modification, pursuant to 35 IAC Part 203, the source shall hold ATUs in an amount not less than 1.3 times its seasonal VOM emissions attributable to such major modification during the seasonal allotment period, determined in accordance with the construction permit for such major modification or applicable provisions in Section 4 of this permit.
- c. Market Transactions
- i. As specified in 35 IAC 205.610(a), the source shall apply to the IEPA for and obtain authorization for a Transaction Account prior to conducting any market transactions.
- ii. Pursuant to 35 IAC 205.610(b), the Permittee shall promptly submit to the IEPA any revisions to the information submitted for its Transaction Account.
- iii. Pursuant to 35 IAC 205.620(a), the source shall have at least one account officer designated for its Transaction Account.
- iv. Any transfer of ATUs to or from the source from another source or general participant must be authorized by a qualified Account Officer designated by the source and approved by the IEPA, in accordance with 35 IAC 205.620, and the transfer must be submitted to the IEPA for entry into the Transaction Account database.
- d. Emissions Excursion Compensation

Pursuant to 35 IAC 205.720, if the source fails to hold ATUs in accordance with Condition 7.3(b), it shall provide emissions excursion compensation in accordance with the following:

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- i. Upon receipt of an Excursion Compensation Notice issued by the IEPA, the source shall purchase ATUs from the ACMA in the amount specified by the notice, as follows:
 - A. The purchase of ATUs shall be in an amount equivalent to 1.2 times the emissions excursion; or
 - B. If the source had an emissions excursion for the seasonal allotment period immediately before the period for the present emissions excursion, the source shall purchase ATUs in an amount equivalent to 1.5 times the emissions excursion.
- ii. If requested in accordance with paragraph 7.3(d) (iii) below or in the event that the ACMA balance is not adequate to cover the total emissions excursion amount, the IEPA will deduct ATUs equivalent to the specified amount or any remaining portion thereof from the ATUs to be issued to the source for the next seasonal allotment period.
- iii. Pursuant to 35 IAC 205.720(c), within 15 days after receipt of an Excursion Compensation Notice, the Owner or Operator may request that ATUs equivalent to the amount specified be deducted from the source's next seasonal allotment by the IEPA, rather than purchased from the ACMA.

e. Quantification of Seasonal VOM Emissions

- i. Pursuant to 35 IAC 205.315(b), the methods and procedures specified in Sections 3 and 4 of this permit for determining VOM emissions and compliance with VOM emission limitations shall be used for determining seasonal VOM emissions for purposes of the ERMS, with the following exceptions:

No exceptions
- ii. In accordance with 35 IAC 205.750, the Permittee shall report emergency conditions at the source to the IEPA if the Permittee intends to deduct VOM emissions in excess of the technology-based emission rates normally achieved that are attributable to the emergency from the source's seasonal VOM emissions for purposes of the ERMS. These reports shall include the information specified by 35 IAC 205.750(a), and shall be submitted in accordance with the following:
 - A. An initial emergency conditions report within two days after the time when such excess emissions occurred due to the emergency.
 - B. A final emergency conditions report, if needed to supplement the initial report, within 10 days after the conclusion of the emergency.

f. Annual Account Reporting

- i. Pursuant to 35 IAC 205.300, for each year in which the source is operational, the Permittee shall submit, as a component of its Annual Emissions Report, seasonal VOM emissions information to the IEPA for the seasonal allotment period. This report shall include the following information:
 - A. Actual seasonal emissions of VOM from the source.
 - B. A description of the methods and practices used to determine VOM emissions, as required by this permit, including any supporting documentation and calculations.
 - C. A detailed description of any monitoring methods that differ from the methods specified in this permit, as provided in 35 IAC 205.337.

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
Date Issued: TBD

- D. If a source has experienced an emergency, as provided in 35 IAC 205.750, the report shall reference the associated emergency conditions report that has been approved by the IEPA.
 - E. If a source's baseline emissions have been adjusted due to a Variance, Consent Order, or CAAPP permit Compliance Schedule, as provided for in 35 IAC 205.320(e) (3), the report shall provide documentation quantifying the excess VOM emissions during the season that were allowed by the Variance, Consent Order, or Compliance Schedule, in accordance with 35 IAC 205.320(e) (3).
 - F. If a source is operating a new or modified emission unit for which three years of operational data is not yet available, as specified in 35 IAC 205.320(f), the report shall specify seasonal VOM emissions attributable to the new emission unit or the modification of the emission unit.
- ii. This report shall be submitted by November 30 of each year, for the preceding seasonal allotment period.
- g. Allotment of ATUs to the Source
- i. A. The allotment of ATUs to this source is 729 ATUs per seasonal allotment period.
 - B. This allotment of ATUs reflects the IEPA's determination that the source's baseline emissions were 72.804 tons per season.
 - I. This determination includes the use of 1994 and 1997 as baseline seasons. This determination includes use of the 1997 season as a substitute for the 1995 and 1996 season due to non-representative conditions in this season, as allowed by 35 IAC 205.320(a)(2).
 - II. This determination also includes adjustment to actual emissions to account for voluntary over-compliance at the source, e.g., the baseline emissions recognize 6.18 tons of voluntary over compliance from changes to the practices for cleaning solvents, pursuant to 35 IAC 205.320(d), as further addressed in Section 7 of this permit.
 - C. The source's allotment reflects 88% of the baseline emissions (12% reduction), except for the VOM emissions from specific emission units excluded from such reduction, pursuant to 35 IAC 205.405, including units complying with MACT or using BAT, as identified in Condition 7.3(i) of this permit.
 - D. ATUs will be issued to the source's Transaction Account by the IEPA annually. These ATUs will be valid for the seasonal allotment period following issuance and, if not retired in this season, the next seasonal allotment period.
- ii. Contingent Allotments for New or Modified Emission Units
- None
- iii. Notwithstanding the above, part or all of the above ATUs will not be issued to the source in circumstances as set forth in 35 IAC Part 205, including:
- A. Transfer of ATUs by the source to another participant or the ACMA, in accordance with 35 IAC 205.630.

- B. Deduction of ATUs as a consequence of emissions excursion compensation, in accordance with 35 IAC 205.720.
- C. Transfer of ATUs to the ACMA, as a consequence of shutdown of the source, in accordance with 35 IAC 205.410.

h. Recordkeeping for ERMS

Pursuant to 35 IAC 205.700(a), the Permittee shall maintain copies of the following documents as its Compliance Master File for purposes of the ERMS:

- i. Seasonal component of the Annual Emissions Report.
- ii. Information on actual VOM emissions, as specified in detail in Sections 3 and 4 of this permit and Condition 7.3(e)(i).
- iii. Any transfer agreements for the purchase or sale of ATUs and other documentation associated with the transfer of ATUs.

i. Exclusions from Further Reductions

- i. A. Pursuant to 35 IAC 205.405(a), VOM emissions from the following emission units shall be excluded from the VOM emissions reductions requirements specified in 35 IAC 205.400(c) and (e) as long as such emission units continue to satisfy the following:
 - I. Emission units that comply with any NESHAP or MACT standard promulgated pursuant to the CAA.
 - II. Direct combustion emission units designed and used for comfort heating purposes, fuel combustion emission units, and internal combustion engines.
 - III. An emission unit for which a LAER demonstration has been approved by the IEPA on or after November 15, 1990.
- B. Pursuant to 35 IAC 205.405(a) and (c), the source has demonstrated in its ERMS application and the IEPA has determined that the following emission units qualify for exclusion from further reductions because they meet the criteria as indicated above:
 - Make Up Air Unites: EU06, EU07, EU08, EU09
 - Boilers: EU01, EU02
 - Washer Ovens: EU03, EU04
- ii. A. Pursuant to 35 IAC 205.405(b), VOM emissions from emission units using BAT for controlling VOM emissions shall not be subject to the VOM emissions reductions requirement specified in 35 IAC 205.400(c) or (e) as long as such emission unit continues to use such BAT.
- B. Pursuant to 35 IAC 205.405(b) and (c), the source has demonstrated in its ERMS application and the IEPA has determined that the following emission units qualify for exclusion from further reductions because these emission units use BAT for controlling VOM emissions as indicated above:

None

4. Compliance Assurance Monitoring (CAM) Requirements

a. CAM Provisions

i. Proper Maintenance

Pursuant to 40 CFR 64.7(b), at all times, the source shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

ii. Continued Operation

Pursuant to 40 CFR 64.7(c), except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the source shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit (PSEU) is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 CFR Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The source shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

iii. Response to Excursions or Exceedances

A. Pursuant to 40 CFR 64.7(d)(1), upon detecting an excursion or exceedance, the source shall restore operation of the PSEU (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

B. Pursuant to 40 CFR 64.7(d)(2), determination of whether the source has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device.

b. Monitoring - Monitoring

Pursuant to 40 CFR 64.7(a), the source shall comply with the monitoring requirements of the CAM Plans as described in 5 below, pursuant to 40 CFR Part 64 as submitted in the source's CAM plan application.

c. Monitoring - Recordkeeping

Pursuant to 40 CFR 64.9(b)(1), the source shall maintain records of the monitoring data, monitor performance data, corrective actions taken, monitoring equipment maintenance, and other supporting information related to the monitoring requirements established for CAM.

d. Monitoring - Reporting

Pursuant to Sections 39.5(7) (b) and (f) of the Act, the source shall submit the following reporting requirements:

i. Semiannual Reporting

As part of the required Semiannual Monitoring Reports, the source shall submit a CAM report including the following at a minimum:

- A. Summary information on the number, duration, and cause of excursions or exceedances, and the corrective actions taken pursuant to 40 CFR 64.6(c) (3) and 64.9(a) (2) (i).
- B. Summary information on the number, duration, and cause for monitoring equipment downtime incidents, other than downtime associated with calibration checks pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(ii).

e. CAM Plans

The following tables contain the CAM Plans in this CAAPP permit:

Table	Emission Unit Section	PSEU Designation	Pollutant
7.4.1	4.1	PRINTING/COATING LINE #3	VOM, HAP

Table 7.4.1 - CAM Plan

Emission Unit Section:	4.1
PSEU Designation:	PRINTING/COATING LINE #3
Pollutant:	VOM

Indicators:	#1) Oxidizer Temperature	#2) N/A
General Criteria		
The Monitoring Approach Used to Measure the Indicators:	Continuous Temperature Monitoring	N/A
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	> 1400°F Oxidizer's Temperature Controlled by Programmable Logic Controller (PLC). If Oxidizer's Temperature Drops Below 1400°F, Alarm Will Sound and Line Will be Shut Down	N/A
Quality Improvement Plan (QIP) Threshold Levels:	N/A	N/A
Performance Criteria		
The Specifications for Obtaining Representative Data:	A Thermocouple is Used to Obtain Temperature	N/A
Verification Procedures to Confirm the Operational Status of the Monitoring:	Weekly Inspections and Replacement of Temperature Chart. Daily PLC Monitoring.	N/A
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration and Maintenance Completed by Independent Contractor as Needed	N/A
The Monitoring Frequency:	Continuous	N/A
The Data Collection Procedures That Will Be Used:	Temperature Chart Recorder	N/A
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	Alarm is Triggered if Oxidizer's Temperature Drops Below 1400°F. Line is Shut Down Until Proper Temperature is Reestablished	N/A

Section 8 - State Only Requirements

1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	249.5
Sulfur Dioxide	(SO ₂)	0.3
Particulate Matter	(PM)	45.4
Nitrogen Oxides	(NO _x)	41.4
HAP, not included in VOM or PM	(HAP)	---
Total		336.6

Attachment 1 - List of Emission Units at This Source

<i>Section</i>	<i>Emission Units</i>	<i>Description</i>
4.1	Can Coating/Printing Lines	One can basecoating line with drying oven, two can coating lines with inside spray and drying ovens, and one can coating line with inside spray and drying ovens with emissions controlled by thermal oxidizer
4.2	Can Bodymakers and Washer/Dryer	Nineteen can bodymakers and two can washer/dryers
4.3	Natural Gas Fired Boiler and Makeup Air Units	One natural gas fired heating boilers and four natural gas fired makeup air units
4.4	Natural Gas Fired Boiler	One natural gas fired heating boilers

Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
BTU	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO ₂	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
EAF	Electric arc furnace
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
HP	Horsepower
hr	Hour
H ₂ S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
KW	Kilowatts
LAER	Lowest Achievable Emission Rate
lb	Pound

Rexam Beverage Can Company
I.D. No.: 031600BRL
Permit No.: 095120133

Date Received: 08/12/2008
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m	Meter
MACT	Maximum Achievable Control Technology
mm	Million
mon	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PM	Particulate matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM _{2.5}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO ₂	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

Attachment 3 - Contact and Reporting Addresses

<p style="text-align: center;">IEPA Compliance Section</p> <p style="text-align: center;">IEPA Stack Test Specialist</p> <p style="text-align: center;">IEPA Air Quality Planning Section</p> <p style="text-align: center;">IEPA Air Regional Field Operations Regional Office #1</p> <p style="text-align: center;">IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Compliance & Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p> <p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p> <p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p> <p>Illinois EPA, Bureau of Air Regional Office #1 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p> <p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p style="text-align: center;">USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

Attachment 4 - Example Certification by a Responsible Official

SIGNATURE BLOCK	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))	
AUTHORIZED SIGNATURE:	
BY: _____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____/_____/_____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

Rexam Beverage Can Company
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