Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Rexam Beverage Can Company
Facility #A1665

Facility Address:
2433 Crocker Circle Drive
Fairfield, CA 94533

Mailing Address:
8770 W. Bryn Mawr Avenue, Suite 175, Mail Code 11M
Chicago, IL 60631-3655

Responsible Official	**Facility Contact**
Geoffrey A. Wortley	Bob Riggs
Director,	Plant Manager
Environment, Health, & Safety	(707) 437-6645
(773) 399-3389	

Type of Facility:	Beverage Can Manufacturing	BAAQMD Engineering Division Contact:
Primary SIC:	3411	Dharam Singh
Product:	Coated and Decorated Aluminum Beverage Cans	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent — November 29, 2012

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:
BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 05/04/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 4/18/12);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 06/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/10);
BAAQMD Regulation 2, Rule 6 – Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on November 29, 2012 and expires on November 28, 2017. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 28, 2017 and no earlier than November 28, 2016. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after** November 28, 2017**.** If the permit renewal has not been issued by November 28, 2017, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non- compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20; MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless of whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

I. Standard Conditions

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501 MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The reporting periods for this permit shall be July 1st through December 31st and January 1st through June 30th. Each report is due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be July 1st through June 30th. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification

I. Standard Conditions

should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-1	Roller Coater - Line 1	Rutherford	CB 1200	1,762 Cans Per Minute
S-2	Coater Oven - Line 1	Feco Pin, Natural Gas		3.6 MMBTU/hr
S-3	Printer - Line 1	Rutherford	CD 1200	1,762 CPM
S-4	Printer Oven - Line 1	Feco Pin, Natural Gas		3.6 MMBTU/hr
S-5	Spray Machines - Line 1	NCC	773.3	(6) x 294 CPM
S-6	Bake Oven - Line 1	Feco Pin, Natural Gas		3.0 MMBTU/hr
S-7	Roller Coater - Line 2	Rutherford	CB 1200	1,762 CPM
S-8	Coater Oven - Line 2	Feco Pin, Natural Gas		3.6 MMBTU/hr
S-9	Printer - Line 2	Rutherford	CD 1200	1,762 CPM
S-10	Printer Oven - Line 2	Feco Pin, Natural Gas		3.6 MMBTU/hr
S-11	Spray Machines - Line 2	NCC	773.3	(6) x 294 CPM
S-12	Bake Oven - Line 2	Feco Pin, Natural Gas		3.0 MMBTU/hr
S-13	Basecoat Bulk Tank	Fixed Roof		10,000 gallons
S-14	Overvarnish Bulk Tank	Fixed Roof		10,000 gallons
S-15	Inside Spray Bulk Tank	Fixed Roof		10,000 gallons
S-16	Scrap Collection System	BLO-APCO	185	1,000 lb/hr
S-17	Lime Silo	Lime Storage		10 tons/hr max capacity
S-21	Emergency Diesel Fire Pump Engine	Deutz	DFP 4-2012C15	135 bhp

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-2	Pulse Jet Baghouse	5, 11	Regulation 6-1-301, SIP Regulation 6-301		Ringelmann #1 for 3 minutes in any hour
A-2	Pulse Jet Baghouse	5, 11	Regulation 6-1-310, SIP Regulation 6-310		0.15 gr/dscf
A-3	Vapor Balance System	13	None	N/A	N/A
A-4	Vapor Balance System	14	None	N/A	N/A
A-5	Vapor Balance System	15	None	N/A	N/A
A-6	Scrap Cyclone	16	Regulation 6-1-301, SIP Regulation 6-301		Ringelmann #1 for 3 minutes in any hour
A-6	Scrap Cyclone	16	Regulation 6-1-310, SIP Regulation 6-310		0.15 gr/dscf
A-7	Oil Mist Collector	16	Regulation 6-1-301, SIP Regulation 6-301		Ringelmann #1 for 3 minutes in any hour
A-7	Oil Mist Collector	16	Regulation 6-1-310, SIP Regulation 6-310		0.15 gr/dscf
A-8	Lime Silo Baghouse	17	Regulation 6-1-301, SIP Regulation 6-301		Ringelmann #1 for 3 minutes in any hour
A-8	Lime Silo Baghouse	17	Regulation 6-1-310, SIP Regulation 6-310		0.15 gr/dscf

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-9	Regenerative Thermal Oxidizer	2, 4, 5, 6, 8, 10, 11, 12	BAAQMD Condition 391; Parts 2, 3, 5, 6, 7	1600 °F during all periods of operation	95%
A-9	Regenerative Thermal Oxidizer	2, 4, 5, 6, 8, 10, 11, 12	Regulation 8-11-302	Required for coating usage not complying with 8-11-301	90%
A-9	Regenerative Thermal Oxidizer	2, 4, 5, 6, 8, 10, 11, 12	NSPS Subpart WW	As needed	Achieve VOC emission standards of 60.492

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors.
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

NOTE:
There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of a rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y[1]
BAAQMD Regulation 2, Rule 1	General Requirements (4/18/12)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y[1]
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/06/10)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/6/90)	Y
BAAQMD Regulation 5	Open Burning (7/09/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y[1]
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	N
SIPRegulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (1/2/04)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/01/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y[1]
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y[1]
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y[1]
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants - Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y[1]
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y[1]
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (5/28/03)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements	Y

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
   The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors.
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
   The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions. All other text may be found in the regulations themselves.

Table IV-A
Source-Specific Applicable Requirements
S-1, S-7: Roller Coaters, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	

IV. Source-Specific Applicable Requirements

Table IV-A
Source-Specific Applicable Requirements
S-1, S-7: Roller Coaters, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure And Coil Coating (11/19/97)**		
8-11-302	Emission Control Device Requirement (alternative to coating limits)	Y	
8-11-306	Surface Preparation and Cleanup Solvent	Y	
8-11-402	Operation and Maintenance Plan	Y	
8-11-501	Coating Records	Y	
8-11-504	Afterburner Temperature Monitoring (where applicable)	Y	
NSPS Part 60	**Standards of Performance for New Stationary Sources (12/23/71)**		
Subpart A	**General Provisions**	**Y**	
60.7	Notification and Record Keeping	Y	
60.8 (a)	Initial Performance Test	Y	
60.9	Availability of Information	Y	
60.11 (a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13 (a)(b)(e)(f)(i)	Monitoring Requirements	Y	
NSPS Subpart WW	**Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)**		
60.492 (a)	VOC Limit – Two-Piece Can Exterior Basecoat	Y	
60.493 (b)	Monthly Performance Test	Y	
60.494	Monitoring of Operations	Y	
60.495	Reporting and Recordkeeping	Y	
60.496	Test Methods and Procedures	Y	
BAAQMD Cond #391			
part 1	Facility VOC and HAP Limits [Cumulative Increase, 40 CFR 63.3481(b)]	Y	
parts 12a, 12b, 12c	Recordkeeping [Cumulative Increase, Regulation 2-1-403, Regulation 2-6-501]	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
Source-Specific Applicable Requirements
S-1, S-7: Roller Coaters, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 13	NSPS notification requirements to EPA Region IX [40 CFR Part 60, Subpart A and WW]	Y	
part 14	Performance test [40 CFR Part 60, Subpart A and WW]	Y	

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV-B
Source-Specific Applicable Requirements
S-2, S-8: Coater Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure And Coil Coating (11/19/97)**		
8-11-302	Emission Control Device Requirement (alternative to coating limits)	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-Specific Applicable Requirements
S-2, S-8: Coater Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-11-402	Operation and Maintenance Plan	Y	
8-11-504	Afterburner Temperature Monitoring (where applicable)	Y	
NSPS Part 60	**Standards of Performance for New Stationary Sources (12/23/71)**		
Subpart A	**General Provisions**		
60.7	Notification and Record Keeping	Y	
60.8 (a)	Initial Performance Test	Y	
60.9	Availability of Information	Y	
60.11 (a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13 (a)(b)(e)(f)(i)	Monitoring Requirements	Y	
NSPS Subpart WW	**Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)**		
60.492(a)	VOC Limits	Y	
60.493 (b)	Monthly Performance Test	Y	
60.494	Monitoring of Operations	Y	
60.495	Reporting and Recordkeeping	Y	
60.496	Test Methods and Procedures	Y	
BAAQMD Cond #391			
part 1	Facility VOC and HAP Limits [Cumulative Increase, 40 CFR 63.3481(b)]	Y	
part 2	Regenerative Thermal Oxidizer Requirement [BACT, Regulation 8-11-302]	Y	
part 3	Automatic Oven Shutdown when Airflow is Lost [BACT]	Y	
part 5	Regenerative Thermal Oxidizer VOC Control Efficiency [BACT]	Y	
part 6	Regenerative Thermal Oxidizer Temperature [BACT]	Y	
part 7	Regenerative Thermal Oxidizer Temperature Monitoring/Recording [BACT, Regulation 8-11-504]	Y	
part 8	Allowable temperature excursions [Regulation 2-1-403]	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-Specific Applicable Requirements
S-2, S-8: Coater Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 9	Allowable temperature excursion recordkeeping [Regulation 2-1-403]	Y	
part 10	Definition of temperature excursion [Regulation 2-1-403]	Y	
part 11	Regenerative Thermal Oxidizer Temperature Recordkeeping [BACT, Regulation 2-6-501]	Y	
parts 12a, 12b, 12c	Recordkeeping [Cumulative Increase, Regulation 2-1-403, Regulation 2-6-501]	Y	
part 13	NSPS notification requirements to EPA Region IX [40 CFR Part 60, Subpart A and WW]	Y	
part 14	Performance test [40 CFR Part 60, Subpart A and WW]	Y	

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source-Specific Applicable Requirements

Table IV-C
Source-Specific Applicable Requirements
S-3, S-9: Printers, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure And Coil Coating (11/19/97)**		
8-11-302	Emission Control Device Requirement (alternative to coating limits)	Y	
8-11-306	Surface Preparation and Cleanup Solvent	Y	
8-11-402	Operation and Maintenance Plan	Y	
8-11-501	Coating Records	Y	
8-11-504	Afterburner Temperature Monitoring (where applicable)	Y	
NSPS Part 60	**Standards of Performance for New Stationary Sources (12/23/71)**		
Subpart A	**General Provisions**		
60.7	Notification and Record Keeping	Y	
60.8 (a)	Initial Performance Test	Y	
60.9	Availability of Information	Y	
60.11 (a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13 (a)(b)(e)(f)(i)	Monitoring Requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
Source-Specific Applicable Requirements
S-3, S-9: Printers, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS Subpart WW	**Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)**		
60.492 (b)	VOC Limit – Two-Piece Can Clear Basecoat and Overvarnish	Y	
60.493 (b)	Monthly Performance Test	Y	
60.494	Monitoring of Operations	Y	
60.495	Reporting and Recordkeeping	Y	
60.496	Test Methods and Procedures	Y	
BAAQMD Cond #391			
part 1	Facility VOC and HAP Limits [Cumulative Increase, 40 CFR 63.3480(b)]	Y	
parts 12a, 12b, 12c	Recordkeeping [Cumulative Increase, Regulation 2-1-403, Regulation 2-6-501]	Y	
part 13	NSPS notification requirements to EPA Region IX [40 CFR Part 60, Subpart A and WW]	Y	
part 14	Performance test [40 CFR Part 60, Subpart A and WW]	Y	

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV-D
Source-Specific Applicable Requirements
S-4, S-10: Printer Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	

IV. Source-Specific Applicable Requirements

Table IV-D
Source-Specific Applicable Requirements
S-4, S-10: Printer Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure And Coil Coating (11/19/97)**		
8-11-302	Emission Control Device Requirement (alternative to coating limits)	Y	
8-11-402	Operation and Maintenance Plan	Y	
8-11-504	Afterburner Temperature Monitoring (where applicable)	Y	
NSPS Part 60	**Standards of Performance for New Stationary Sources (12/23/71)**		
Subpart A	**General Provisions**		
60.7	Notification and Record Keeping	Y	
60.8 (a)	Initial Performance Test	Y	
60.9	Availability of Information	Y	
60.11 (a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13 (a)(b)(e)(f)(i)	Monitoring Requirements	Y	
NSPS Subpart WW	**Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)**		
60.492(b)	VOC Limits	Y	
60.493 (b)	Monthly Performance Test	Y	
60.494	Monitoring of Operations	Y	
60.495	Reporting and Recordkeeping	Y	
60.496	Test Methods and Procedures	Y	
BAAQMD Cond #391			

IV. Source-Specific Applicable Requirements

Table IV-D
Source-Specific Applicable Requirements
S-4, S-10: Printer Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 1	Facility VOC and HAP Limits [Cumulative Increase, 40 CFR 63.3480(b)]	Y	
part 2	Regenerative Tthermal Oxidizer Requirement [BACT, Regulation 8-11-302]	Y	
part 3	Automatic Oven Shutdown when Airflow is Lost [BACT]	Y	
part 5	Regenerative Tthermal Oxidizer VOC Control Efficiency [BACT]	Y	
part 6	Regenerative Tthermal Oxidizer Temperature [BACT]	Y	
part 7	Regenerative Tthermal Oxidizer Temperature Monitoring/Recording [BACT, Regulation 8-11-504]	Y	
part 8	Allowable temperature excursions [Regulation 2-1-403]	Y	
part 9	Allowable temperature excursion recordkeeping [Regulation 2-1-403]	Y	
part 10	Definition of temperature excursion [Regulation 2-1-403]	Y	
part 11	Regenerative Tthermal Oxidizer Temperature Recordkeeping [BACT,Regulation 2-6-501]	Y	
parts 12a, 12b, 12c	Recordkeeping [Cumulative Increase, Regulation 2-1-403, Regulation 2-6-501]	Y	
part 13	NSPS notification requirements to EPA Region IX [40 CFR Part 60, Subpart A and WW]	Y	
part 14	Performance test [40 CFR Part 60, Subpart A and WW]	Y	

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source-Specific Applicable Requirements

Table IV-E
Source-Specific Applicable Requirements
S-5, S-11: Inside Spray Machines, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	N	
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure And Coil Coating (11/19/97)**		
8-11-302	Emission Control Device Requirement (alternative to coating limits)	Y	
8-11-306	Surface Preparation and Cleanup Solvent	Y	
8-11-402	Operation and Maintenance Plan	Y	
8-11-501	Coating Records	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source-Specific Applicable Requirements
S-5, S-11: Inside Spray Machines, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-11-504	Afterburner Temperature Monitoring (where applicable)	Y	
NSPS Part 60	**Standards of Performance for New Stationary Sources (12/23/71)**		
Subpart A	**General Provisions**		
60.7	Notification and Record Keeping	Y	
60.8 (a)	Initial Performance Test	Y	
60.9	Availability of Information	Y	
60.11 (a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13 (a)(b)(e)(f)(i)	Monitoring Requirements	Y	
NSPS Subpart WW	**Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)**		
60.492 (c)	VOC Limit – Two-Piece Can Inside Spray	Y	
60.493 (b)	Monthly Performance Test	Y	
60.494	Monitoring of Operations	Y	
60.495	Reporting and Recordkeeping	Y	
60.496	Test Methods and Procedures	Y	
BAAQMD Cond #391			
part 1	Facility VOC and HAP Limits [Cumulative Increase, 40 CFR 63.3480(b)]	Y	
part 4	Exhaust Duct Vacuum Pressure [BACT]	Y	
part 5	Regenerative Tthermal Oxidizer VOC Control Efficiency [BACT]	Y	
part 6	Regenerative Tthermal Oxidizer Temperature [BACT]	Y	
part 7	Regenerative Tthermal Oxidizer Temperature Monitoring/Recording [BACT, Regulation 8-11-504]	Y	
part 8	Allowable temperature excursions [Regulation 2-1-403]	Y	
part 9	Allowable temperature excursion recordkeeping [Regulation 2-1-403]	Y	
part 10	Definition of temperature excursion [Regulation 2-1-403]	Y	
part 11	Regenerative Tthermal Oxidizer Temperature Recordkeeping [BACT, Regulation 2-6-501]	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source-Specific Applicable Requirements
S-5, S-11: Inside Spray Machines, Line 1 & Line 2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
parts 12a, 12b, 12c	Recordkeeping [Cumulative Increase, Regulation 2-1-403, Regulation 2-6-501]	Y	
part 13	NSPS notification requirements to EPA Region IX [40 CFR Part 60, Subpart A and WW]	Y	
part 14	Performance test [40 CFR Part 60, Subpart A and WW]	Y	
BAAQMD Cond #16547			
part 1	Particulate Abatement Requirement [Regulation 2-1-403]	Y	
part 2	Quarterly Baghouse Inspection [Regulation 2-1-403]	Y	
part 3	Recordkeeping [Regulation 1-441, Regulation 2-6-501]	Y	

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source-Specific Applicable Requirements

Table IV-F
Source-Specific Applicable Requirements
S-6, S-12: Bake Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure And Coil Coating (11/19/97)**		
8-11-302	Emission Control Device Requirement (alternative to coating limits)	Y	
8-11-402	Operation and Maintenance Plan	Y	
8-11-504	Afterburner Temperature Monitoring (where applicable)	Y	
NSPS Part 60	**Standards of Performance for New Stationary Sources (12/23/71)**		
Subpart A	**General Provisions**	Y	
60.7	Notification and Record Keeping	Y	
60.8 (a)	Initial Performance Test	Y	
60.9	Availability of Information	Y	
60.11 (a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13 (a)(b)(e)(f)(i)	Monitoring Requirements	Y	
NSPS Subpart WW	**Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)**		
60.492(c)	VOC Limits	Y	

IV. Source-Specific Applicable Requirements

Table IV-F
Source-Specific Applicable Requirements
S-6, S-12: Bake Ovens

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.493 (b)	Monthly Performance Test	Y	
60.494	Monitoring of Operations	Y	
60.495	Reporting and Recordkeeping	Y	
60.496	Test Methods and Procedures	Y	
BAAQMD Cond #391			
part 1	Facility VOC and HAP Limits [Cumulative Increase, 40 CFR 63.3480(b)]	Y	
part 2	Regenerative Tthermal Oxidizer Requirement [BACT, Regulation 8-11-302]	Y	
part 3	Automatic Oven Shutdown when Airflow is Lost [BACT]	Y	
part 5	Regenerative Tthermal Oxidizer VOC Control Efficiency [BACT]	Y	
part 6	Regenerative Tthermal Oxidizer Temperature [BACT]	Y	
part 7	Regenerative Tthermal Oxidizer Temperature Monitoring/Recording [BACT, Regulation 8-11-504]	Y	
part 8	Allowable temperature excursions [Regulation 2-1-403]	Y	
part 9	Allowable temperature excursion recordkeeping [Regulation 2-1-403]	Y	
part 10	Definition of temperature excursion [Regulation 2-1-403]	Y	
part 11	Regenerative Tthermal Oxidizer Temperature Recordkeeping [BACT, Regulation 2-6-501]	Y	
parts 12a, 12b, 12c	Recordkeeping [Cumulative Increase, Regulation 2-1-403, Regulation 2-6-501]	Y	
part 13	NSPS notification requirements to EPA Region IX [40 CFR Part 60, Subpart A and WW]	Y	
part 14	Performance test [40 CFR Part 60, Subpart A and WW]	Y	

[1] This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source-Specific Applicable Requirements

Table IV-G
Source-Specific Applicable Requirements
S-13, S-14, S-15: Storage Tanks; Basecoat, Overvarnish, Inside Spray

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (10/18/06)**		
8-5-301	Storage Tanks Control Requirements (Aboveground Tanks >9,906 gallons to <19,803 gallons)	N	
8-5-302	Requirements for Submerged Fill Pipes	N	
8-5-501.1	Records (Fixed Roof Tanks)	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (6/5/03)**		
8-5-301	Storage Tanks Control Requirements (Aboveground Tanks >9,906 gallons to <19,803 gallons)	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-501.1	Records (Fixed Roof Tanks)	Y	

Table IV-H
Source-Specific Applicable Requirements
S-16: Scrap Collection System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	Process Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions ((9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	

IV. Source-Specific Applicable Requirements

Table IV-H
Source-Specific Applicable Requirements
S-16: Scrap Collection System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	Process Weight Limitation	Y	
6-401	Appearance of Emissions	Y	

Table IV-I
Source-Specific Applicable Requirements
S-17: Lime Silo

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	Process Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions ((9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	Process Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Cond #16548			
part 1	Particulate Abatement Requirement [Regulation 2-1-403]	Y	
part 2	Annual Visible Emissions Inspection [Regulation 2-1-403]	Y	
part 3	Recordkeeping [Regulation 1-441, Regulation 2-6-501]	Y	

IV. Source-Specific Applicable Requirements

Table IV-J
Source-Specific Applicable Requirements
S-21: Emergency Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides from Stationary Engines (7/25/07)**		
9-8-110.5	Limited Exemption Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.3	50 hours for reliability and maintenance	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**	N	

IV. Source-Specific Applicable Requirements

Table IV-J
Source-Specific Applicable Requirements
S-21: Emergency Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	N	
93115.5(a)	Fuel requirements for new emergency standby stationary diesel-fueled CI engines	N	
93115.5(a)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)	New Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standard	N	
93115.6(a)(1)	At School and Near-School Provisions	N	
93115.6(a)(3)	Emission and operation standards	N	
93115.6(a)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(a)(3)(A) (1)	General Requirements	N	
93115.6(a)(3)(A) (1)(c)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr, or when meeting the diesel PM standards of Title 13 CCR, Section 2423, whichever is more stringent, except as provided in 93115.6(a)(3)(A)(2), excluding operating for emergency use and emissions testing	N	
93115.6(a)(3)(A) (2)	Operation for maintenance and testing allowed to be 100 hrs/year when PM emitted at a rate < 0.01 g/bhp-hr	N	
93115.6(a)(4)(A)(1)(c)	Operating for maintenance and testing to comply with National Fire Protection Association 25-"Standard for Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems"	N	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.14	Test Methods		
93115.15	Severability	N	

IV. Source-Specific Applicable Requirements

Table IV-J
Source-Specific Applicable Requirements
S-21: Emergency Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/06)**		
60.4200(a)(2)(ii)	Applicability: Owner/operators of stationary compression ignition (CI) internal combustion engines (ICE) constructed > July 11, 2005 and manufactured > July 1, 2006 that are certified National Fire Protection Association (NFPA) fire pump engines.	Y	
60.4202	Emission standards for emergency engines for CI ICE Manufacturers (Incorporated by Reference – 60.4205(b))	Y	
60.4202(d)	Emission standards for fire pump stationary CI ICE	Y	
60.4205	Emission standards for emergency engines	Y	
60.4205(c)	Emission standards for fire pump stationary CI ICE	Y	
60.4206	Meet emission standards for the entire life of the engine	Y	
60.4207	Fuel requirements	Y	
60.4207(a)	Use diesel fuel that meets the requirements of 40 CFR Part 80.510(a)	Y	
60.4207(b)	Use diesel fuel that meet the requirements of 40 CFR Part 80.510(b) for nonroad diesel fuel	Y	
60.4209	Monitoring requirements	Y	
60.4209(a)	Install a non-resettable hour meter prior to engine startup	Y	
60.4211	Compliance requirements	Y	
60.4211(a)	Comply with emission standards, operate and maintain CI ICE per manufacturer's written instructions and only change setting as permitted by manufacturer.	Y	
60.4211(c)	Comply with the emissions standard specified by 60.4205(c) by purchasing an engine certified to the emission standards for the same model and maximum engine power	Y	
60.4211(f)	Emergency ICE may be operated for maintenance and readiness checks limited to 100 hrs/year with no limit on operation for emergency purposes.	Y	
60.4214	Notification, reporting, and recordkeeping requirements	Y	
60.4214(b)	Initial notification is not requirement for emergency stationary ICE. If the emergency ICE does not meet the non-emergency emission standards for the applicable model year in Table 5, maintain records of emergency and non-emergency service as recorded by the non-resettable hour meter. Record time and reason for operation. (Records are not required because the 2008 model year is not listed in Table 5)	Y	

IV. Source-Specific Applicable Requirements

Table IV-J
Source-Specific Applicable Requirements
S-21: Emergency Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4218	Comply with General Provisions as shown in Table 8	Y	
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.10(a)	Recordkeeping and reporting requirements, applicability and general information	Y	
63.10(b)(1)	Record retention	Y	
63.10(f)	Administrator waiver of recordkeeping or reporting requirements	Y	
63.12	State authority and delegations	Y	
63.13	Addresses of air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by reference	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAP	Y	
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE located at major or área source of HAP emissions	Y	
63.6590(a)(2)	A New Stationary RICE is:	Y	
63.6590(a)(2)(iii)	located at an área source of HAP emissions, constructed on or after 6/12/2006	Y	

IV. Source-Specific Applicable Requirements

Table IV-J
Source-Specific Applicable Requirements
S-21: Emergency Diesel Fire Pump Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6590(c)(1)	A new stationary RICE located at an área source must meet the requirements of 40 CFR 60, Subpart IIII for compression ignition engines. No further requirements apply under this part.	Y	
BAAQMD Cond #24495			
Part 1	Reliability-related testing hour limit (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(3)(A)(1)(c))	Y	
Part 2	Emergency standby engine operations (basis: BAAQMD Regulation 9-8-330.1, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(3)(A)(1)(c))	Y	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(d)(1))	Y	
Part 4	Emergency standby engine recordkeeping (basis: BAAQMD Regulations 9-8-530, 2-6-501, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(f))	Y	
Part 5	Operate per manufacturer's instructions – reliability activities limited to comply with National Fire Protction Association 25-Standard for Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(c))		
Part 6	At School or Near-School Provisions (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1))		

V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition #391

For Sources: 1 through 12 (Beverage Can Coating Sources) and A-9, Regenerative Thermal Oxidizer, MegTech 4.2 MMBtu/hr max, natural gas-fired

EMISSIONS

1. The owner/operator shall ensure that total volatile organic compound (VOC) emissions at this facility due to coating usage and clean-up solvent usage do not exceed 34.4 tons/year. Total emissions of hazardous air pollutants (HAPs) at this facility shall be less than 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs.
(basis: Cumulative Increase, 40 CFR 63.3481(b))

VOC ABATEMENT

2. The owner/operator shall ensure that VOC emissions from the following sources shall be collected and controlled by the Regenerative Thermal Oxidizer, A-9, during all periods of operation:
(Basis: BACT, Regulation 8-11-302)

Basecoater Pin Ovens (Sources 2 and 8)
Printer Pin Ovens (Sources 4 and 10)
Inside Bake Ovens (Sources 6 and 12)
Enclosed Inside Spray Machine Banks (Sources 5 and 11) including the enclosed doubling
boxes between spray machines and vacuum elevators

3. The owner/operator shall ensure that the Basecoater Pin Ovens S-2 and S-8, the Printer Pin Ovens S-4 and S-10, and the Inside Bake Ovens S-6 and S-12 are not operated unless ducted and vented as designed to the Regenerative Thermal Oxidizer A-9. The ducting from each oven shall be equipped with an airflow switch electrically connected to the oven control panel. In the event of a loss of airflow due to mechanical failure, the affected oven shall automatically shut down and all can production at the affected line shall cease.
(Basis: BACT)

4. In order to demonstrate adequate VOC collection at the Inside Spray Machine Banks S-5 and S-11 (as described above), the owner/operator shall operate monitoring devices in the ducting from the inside spray machine banks, the enclosed

VI. Permit Conditions

doubling boxes between spray machines, and the vacuum elevators for each line. A magnahelic gauge or other approved device shall be installed and maintained downstream of each affected exhaust duct to indicate negative pressure at the duct. The owner/operator shall ensure that a minimum vacuum pressure of 0.2 inches of water column (as indicated by the monitoring devices) is maintained throughout the system.

(Basis: BACT)

5. The owner/operator shall ensure that the VOC emission control efficiency of the A-9, Regenerative Thermal Oxidizer is maintained at a minimum of 95% by weight whenever the inlet concentration of VOC to the incinerator is equal to or greater than 500 ppm, measured as methane. The owner/operator shall be charged for all uncontrolled emissions during periods of Thermal Oxidizer failure towards compliance with Part #1 above.

(Basis: BACT)

6. The owner/operator shall maintain a minimum temperature of 1600 degrees F at the A-9, Regenerative Thermal Oxidizer, to ensure compliance with the abatement efficiency in Part #5 above. The owner/operator may submit a request for an alternative minimum temperature to the District if source testing demonstrates the required control efficiency can be met at a lower temperature, but the owner/operator must ensure that the minimum temperature of 1600 degrees F is maintained at all times when the Thermal Oxidizer is required to be in operation as specified in Part #5, until an alternate minimum temperature is approved by the District in writing.

(Basis: BACT)

7. In order to insure that a minimum incinerator temperature is maintained at A-9, the owner/operator shall install and operate continuous temperature measuring and recording instrumentation, consisting of at least three thermocouple temperature probes in the Thermal Oxidizer and at least one recording device, which will continuously record the Thermal Oxidizer temperature as measured by each of the three thermocouples.

(Basis: BACT, Regulation 8-11-504)

8. The minimum temperature requirement in Part #6 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the one of the following:

a. A temperature excursion not exceeding 20 degrees F; or
b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.

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i. the excursion does not exceed 50 degrees F;
ii. the duration of the excursion does not exceed 24 hours; and
iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit.

(Basis: Cumulative Increase, Regulation 2-1-403)

9. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the owner/operator shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

a. Temperature controller setpoint;
b. Starting date and time, and duration of each Allowable Temperature Excursion;
c. Measured temperature during each Allowable Temperature Excursion;
d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
e. All strip charts or other temperature records.

(Basis: Regulation 2-1-403)

10. For the purposes of Parts #8 and #9, a temperature excursion refers only to temperatures below the limit.

(Basis: Regulation 2-1-403)

11. The owner/operator shall ensure that the temperature data collected from this instrumentation is maintained in a file which shall be available for District inspection for a period of at least 60 months following the date on which such data or reports are recorded or made.

(Basis: BACT, Regulation 2-6-501)

RECORDKEEPING AND REPORTING

12a.The owner/operator shall maintain the following data on a daily basis:

(Basis: Cumulative Increase)

Operating time of Coating Lines 1 and 2 Can production for each line (cans/day).
Amount and type of coating used for Basecoat, Inside Spray and overvarnish.
A recorded value from each exhaust duct vacuum monitoring device.

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12b.The owner/operator shall maintain the following data on a weekly basis:
(Basis: Cumulative Increase)

Amount of clean-up solvent used,
Amount of Bottom Rim Varnish.

12c.The owner/operator shall ensure that these records are available for District inspection for a period of at least 60 months following the date which such data or reports are recorded.
(Basis: Regulation 2-6-501)

NSPS REQUIREMENTS

13. The owner/operator shall submit all notifications (including initial notification of construction and startup date) and reports (including an initial performance report, excess emissions and monitoring system performance reports, semiannual summary reports) as required by 40 CFR Part 60, Subpart WW to EPA Region IX and to the District at the following addresses:
(Basis: 40 CFR Part 60, Subparts A and WW)

Director, Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Director, Compliance and Enforcement Division
BAAQMD
939 Ellis Street
San Francisco, CA 94109

14. The owner/operator shall perform initial and monthly performance tests to demonstrate that A-9, Regenerative Thermal Oxidizer, compliese with the abatement efficiency requirement in 40 CFR Part 60, Subpart WW. This test and notification of such test shall be performed in accordance with the requirements in 40 CFR Part 60.8. Notifications of such tests shall be submitted to EPA at the above address and to the District's Source Test Section.
(Basis: 40 CFR Part 60, Subparts A and WW)

VI. Permit Conditions

Condition #16547
For Sources 5 and 11, Inside Spray Machines, Line 1 & Line 2

1. The owner/operator shall rout all particulate matter emissions from these sources to A2, Pulse Jet Baghouse. (basis: Regulation 2-1-403)

2. The owner/operator shall inspect the baghouse quarterly to ensure proper operation. The following items shall be checked: (basis: Regulation 2-1-403)

Condition #16547
For Sources 5 and 11, Inside Spray Machines, Line 1 & Line 2

   a. The owner/operator shall check the baghouse exhaust for evidence of particulate breakthrough. If breakthrough is evident from dust buildup in the duct, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
   b. The owner/operator shall discharge all hoppers in a timely manner.
   c. The owner/operator shall maintain and opérate the pulsejet cleaning system in accordance with the manufacturer's recommendations.

3. In order to demonstrate compliance with the above permit conditions, the owner/operator shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made. (basis: Regulation 2-6-501, 1-441)

   a. Records of all inspections and all maintenance work including bag replacement for the baghouse. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the baghouse.

Condition #16548
For Source 17, Lime Silo

1. The owner/operator shall control particulate matter emissions during loading operations from Source 17, Lime Silo, by A8, Lime Silo Baghouse. (basis: Regulation 2-1-403)

2. The owner/operator shall check A8, Lime Silo Baghouse, for visible emissions on an annual basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next loading event. If no visible emissions are detected, the operator shall continue to check for visible emissions every year. (basis:

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Regulation 2-6-501)

3. The owner/operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on A-8, Lime Silo Baghouse. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (basis: Regulation 2-6-501)

CONDITION # 24495

Rexam Beverage Can Company, P#1665
Permit Application #20859
Permit Conditions for
S-21, Emergency Diesel Fire Pump Engine, Deutz Model DFP4-2012C15, Model Year 2008, 135 bhp

1. Operating for reliability-related activities is limited to 50 hours per year per engine. (Basis: "Stationary Diesel Engine ATCM" , CA Code of Regulations, Title 17, section 93115.6(a)(3)(A)(1)(c))

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to show compliance with a District, state, or Federal emission limit, or for reliability-related activities (maintenance and other testing, excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state, or Federal emission limits is not limited. (Basis: BAAQMD Regulation 9-8-330.1, "Stationary Diesel Engine ATCM" , CA Code of Regulations, Title 17, section 93115.6(a)(3)(A)(1)(c))

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated, and properly maintained. (Basis: BAAQMD 9-8-530, "Stationary Diesel Engine ATCM" , CA Code of Regulations, Title 17, section 93115.10(d), 40 CFR Part 60.4209(a))

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request:
   a. Total hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation for emergency support.
   d. For each emergency, a description of the nature of the emergency condition.

VI. Permit Conditions

e. Fuel usage for each engine.
(Basis: BAAQMD Regulations 9-8-530, 1-441, 2-6-501, "Stationary Diesel Engine ATCM" , CA Code of Regulations, Title 17, section 93115.10(f))

5. The owner/operator shall operate each emergency standby engine in accordance with the manufacturer's written operating instructions, and reliability-related activities shall be limited to those required to comply with the testing requirements of the National Fire Potection Association 25 - Standard for Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.
(Basis: 40 CFR Part 60.4211(a), "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115.6(a)(4)(A)(1)(c))

6. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

a. Whenever there is a school sponsored activity (if the engine is located on school grounds)

b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

(Basis: "Stationary Diesel Engine ATCM" , CA Code of Regulations, Title 17, section 93115.6(a)(1)))

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-7: Roller Coaters, Line 1 & Line 2

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-11-302 (alternative to 8-11-301.3)	Y		Abatement Device efficiency ≥90%	BAAQMD 8-11-504	C	Temperature of thermal oxidizer unit
VOC	NSPS Subpart WW, 60.492 (a)	Y		Exterior Base Coat: 0.29 kilogram of VOC per liter (2.42 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-7: Roller Coaters, Line 1 & Line 2

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 12	P/D	Daily calculation of VOC emissions from Coating Lines 1 and 2
HAP	Condition #391, part 1	Y		<10 tons/yr, single HAP and <25 tons/yr, any combination of HAPs	Condition #391, part 12	P/M	Monthly calculation of HAP emissions from Coating Lines 1 and 2

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-2, S-8: Coater Ovens

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-11-302 (alternative to 8-11-301.3)	Y		Abatement Device efficiency ≥90%	BAAQMD 8-11-504	C	Temperature of thermal oxidizer unit

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-2, S-8: Coater Ovens

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	NSPS Subpart WW, 60.492 (a)	Y		Exterior Base Coat: 0.29 kilogram of VOC per liter (2.42 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters
	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 12	P/D	Daily calculation of VOC emissions from Coating Lines 1 and 2
	Condition #391, part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 7	C	Temperature of thermal oxidizer unit
	Condition #391, part 6	Y		Minimum thermal oxidizer Temperature of 1600 degrees F	Condition #391, part 7	C	Temperature of thermal oxidizer unit
HAP	Condition #391, part 1	Y		<10 tons/yr, single HAP and <25 tons/yr, any combination of HAPs	Condition #391, part 12	P/M	Monthly calculation of HAP emissions from Coating Lines 1 and 2
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S-3, S-9: Printers, Line 1 & Line 2

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-11-302 (alternative to 8-11-301.3, 301.10)	Y		Abatement Device efficiency ≥90%	BAAQMD 8-11-504	C	Temperature of thermal oxidizer unit
VOC	NSPS Subpart WW, 60.492 (b)	Y		Overvarnish: 0.46 kilogram of VOC per liter (3.84 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters
	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 12	P/D	Daily calculation of VOC emissions from Coating Lines 1 and 2
HAP	Condition #391, part 1	Y		<10 tons/yr, single HAP and <25 tons/yr, any combination of HAPs	Condition #391, part 12	P/M	Monthly calculation of HAP emissions from Coating Lines 1 and 2
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-4, S-10: Printer Ovens

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-11-302 (alternative to 8-11-301.3, 301.10)	Y		Abatement Device efficiency ≥90%	BAAQMD 8-11-504	C	Temperature of thermal oxidizer unit
	NSPS Subpart WW, 60.492 (b)	Y		Overvarnish / Clear Basecoat: 0.46 kilogram of VOC per liter (3.84 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters
	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 12	P/D	Daily calculation of VOC emissions from Coating Lines 1 and 2
VOC	Condition #391, part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 7	C	Temperature of thermal oxidizer unit
	Condition #391, part 6	Y		Minimum thermal oxidizer Temperature of 1600 degrees F	Condition #391, part 7	C	Temperature of thermal oxidizer unit
HAP	Condition #391, part 1	Y		<10 tons/yr, single HAP and <25 tons/yr, any combination of HAPs	Condition #391, part 12	P/M	Monthly calculation of HAP emissions from Coating Lines 1 and 2

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-4, S-10: Printer Ovens

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-5, S-11: Inside Spray Machines, Line 1 & Line 2

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-11-302 (alternative to 8-11-301.4)	Y		Abatement Device efficiency $\geq$90%	BAAQMD 8-11-504	C	Temperature of thermal oxidizer unit
	NSPS Subpart WW, 60.492(c)	Y		Inside Spray: 0.89 kilogram of VOC per liter (7.43 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters
VOC	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 12	P/D	Daily calculation of VOC emissions from Coating Lines 1 and 2

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-5, S-11: Inside Spray Machines, Line 1 & Line 2

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition #391, part 4	Y		Minimum Vacuum Pressure, 0.2 inches of water column (gauge)	Condition #391, part 4	P/D	Ventilation System negative pressure monitoring
	Condition #391, part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 4	P/D	Ventilation System negative pressure monitoring
	Condition #391, part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 7	C	Temperature of thermal oxidizer unit
	Condition #391, part 6	Y		Minimum thermal oxidizer Temperature of 1375 degrees F	Condition #391, part 7	C	Temperature of thermal oxidizer unit
HAP	Condition #391, part 1	Y		<10 tons/yr, single HAP and <25 tons/yr, any combination of HAPs	Condition #391, part 12	P/M	Monthly calculation of HAP emissions from Coating Lines 1 and 2
Opacity	BAAQMD Regulation 6-1-301	N		>Ringelmann No. 1 for no more than 3 minutes in any hour	Condition #16547, part 2, 3	P/Q	Baghouse Inspection
	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf	Condition #16547, part 2,3	P/Q	Baghouse Inspection
Opacity	SIP Regulation 6-301	Y		>Ringelmann No. 1 for no more than 3 minutes in any hour	Condition #16547, part 2, 3	P/Q	Baghouse Inspection
	SIP Regulation 6-310	Y		0.15 gr/dscf	Condition #16547, part 2, 3	P/Q	Baghouse Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-5, S-11: Inside Spray Machines, Line 1 & Line 2

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors

Table VII-F
Applicable Limits and Compliance Monitoring Requirements
S-6, S-12: Bake Ovens

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-11-302 (alternative to 8-11-301.4)	Y		Abatement Device efficiency $\geq$90%	BAAQMD 8-11-504	C	Temperature of thermal oxidizer unit
	NSPS Subpart WW, 60.492 (c)	Y		Inside Spray Coat: 0.89 kilogram of VOC per liter (7.43 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters
	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 12	P/D	Daily calculation of VOC emissions from Coating Lines 1 and 2

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-F
Applicable Limits and Compliance Monitoring Requirements
S-6, S-12: Bake Ovens

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition #391, part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 7	C	Temperature of thermal oxidizer unit
VOC	Condition #391, part 6	Y		Minimum thermal oxidizer Temperature of 1600 degrees F	Condition #391, part 7	C	Temperature of thermal oxidizer unit
HAP	Condition #391, part 1	Y		<10 tons/yr, single HAP and <25 tons/yr, any combination of HAPs	Condition #391, part 12	P/M	Monthly calculation of HAP emissions from Coating Lines 1 and 2
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-G
Applicable Limits and Compliance Monitoring Requirements
S-16: Scrap Collection System

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		≥Ringelmann No. 1 for no more than 3 minutes in any hour		N	
	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N	
Opacity	SIP Regulation 6-301	Y		≥Ringelmann No. 1 for no more than 3 minutes in any hour		N	
	SIP Regulation 6-310	Y		0.15 gr/dscf		N	
FP	BAAQMD Regulation 6-1-311	N		2.7 lb/hr (throughput = 1,000 lb/hr)		N	
FP	SIP Regulation 6-311	Y		2.7 lb/hr (throughput = 1,000 lb/hr)		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-H
Applicable Limits and Compliance Monitoring Requirements
S-17: Lime Silo

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		≥Ringelmann No. 1 for no more than 3 minutes in any hour	Condition #16548, part 2, 3	P/A	Visible Emissions Checks, Records for S-17
	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N	
Opacity	SIP Regulation 6-301	Y		≥Ringelmann No. 1 for no more than 3 minutes in any hour	Condition #16548, part 2, 3	P/A	Visible Emissions Checks, Records for S-17
	SIP Regulation 6-310	Y		0.15 gr/dscf		N	
FP	BAAQMD Regulation 6-1-311	N		16.6 lb/hr (throughput = 16,000 lb/hr)		N	
FP	SIP Regulation 6-311	Y		16.6 lb/hr (throughput = 16,000 lb/hr)		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-21: Emergency Diesel Fire Pump Engine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Sulfur Content	BAAQMD 9-1-304	Y		Sulfur content of liquid fuel ≤ 0.5% by weight	None	N	N/A
Fuel Sulfur Content	40 CFR Part 60 Subpart IIII 60.4207(a); 40 CFR Part 80 Subpart I 80.510(a) (1)	Y		Sulfur content of diesel fuel ≤ 500 ppm, maximum	None	N	N/A
Fuel Sulfur Content	40 CFR Part 60 Subpart IIII 60.4207(a); 40 CFR Part 80 Subpart I 80.510(b) (1)	Y		Sulfur content of diesel fuel ≤ 15 ppm, maximum	None	N	N/A
Hours of Operation	BAAQMD 9-8-330.3	N		<50 hours per calendar year for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-520.1 & 9-1-530	M	Records
Hours of Operation	CCR, Title 17, Section 93115.6(b)(3)(A)(2)(b)	N		<= 50 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(e)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of Operation	40 CFR Part 60 Subpart IIII 60.4211(e)	Y		<= 100 hours/year for reliability-related activities	40 CFR Part 60 Subpart IIII 60.4209(a)	C	Totalizing meter for hours of operation
Hours of Operation	Condition 24495, Part 1	Y		<= 50 hours/year for reliability-related activities	Condition 24495, Part 3	C	Totalizing meter for hours of operation

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-21: Emergency Diesel Fire Pump Engine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					Condition 24495, Part 4	M	Records
NMHC-NOx					None		N/A
CO					None		N/A
PM					None		N/A
Opacity	BAAQMD 6-1-303.1	N		Ringelmann No. 2 for no more than 3 minutes in any hour or equivalent opacity	None	N	N/A
Opacity	SIP Regulation 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour or equivalent opacity	None	N	N/A
FP	BAAQMD 6-1-310			0.15 gr/dscf Particulate Weight Limitation		N	N/A
FP	SIP Regulation 6-310	Y		0.15 gr/dscf Particulate Weight Limitation		N	N/A
SO_2	BAAQMD 9-1-301	N		GLC1 of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	N/A
SO_2	BAAQMD 9-1-304	Y		0.5% sulfur in fuel by weight	None	N	N/A
SO_2		N		Sulfur content of fuel less than 0.05% by weight	None	N	N/A

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII - Applicable Emission Limits & Compliance Monitoring Requirements.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate**;** or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or Calculate Emissions in Accordance with EPA AP-42 Procedures
BAAQMD 8-11-302	Emission Control Device Limitation	Manual of Procedures, Volume IV, ST-7, "Organic Compounds" or EPA Method 25 "Determination of Total Gaseous Nonmethane Organic Emissions as Carbon" or 25A "Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer"
BAAQMD Cond. #391, part 4	Incinerator Abatement Control Efficiency	Manual of Procedures, Volume IV, ST-7, "Organic Compounds" or EPA Method 25 "Determination of Total Gaseous Nonmethane Organic Emissions as Carbon" or 25A "Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer"
NSPS Subpart WW	Standards of Performance for the Beverage Can Surface Coating Industry (8/25/83)	
60.492	Standards for VOCs	EPA Method 24 "Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings"; or Approved Equivalent or Alternative Method

IX. PERMIT SHIELD

Not applicable.

X. REVISION HISTORY

Initial Permit Issuance (Application #16422): **July 28, 1999**

Administrative Amendment (No Application): **February 19, 2003**
Facility name changed from American National Can to Rexam Beverage Can Company:

Title V Renewal (Application #8913): **June 27, 2005**

Minor Permit Revision (Application #11891) **August 16, 2006**
Incinerator temperature requirement lowered from 1450 to 1375 degrees F based on source test results.

Title V Renewal Permit (Application #20793): **November 29, 2012**
Standard Condition 1.A updated; Standard Condition 1.B.12 added;
Equipment list updated by deleting A-1, adding S-21 and A-9;
Generally Applicable Requirements updated;
Source-Specific Tables updated and a new Table for S-21 added;
Permit condition for S-21 added and existing conditions updated;
Applicable limits and Compliance Monitoring Requirements Tables updated and a new Table for S-21 added.

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

C5
An Organic chemical compound with five carbon atoms

C6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

CEQA
California Environmental Quality Act

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

XI. Glossary

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

CO2
Carbon Dioxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date. Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EGT
Exhaust Gas Temperature

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

XI. Glossary

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPS), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

FR
Federal Register

GDF
Gasoline Dispensing Facility

GLC
Ground level concentration.

GLM
Ground Level Monitor

grains
1/7000 of a pound

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

H2S
Hydrogen Sulfide

HHV
Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

XI. Glossary

Major Facility
A facility with potential emissions of regulated air pollutants greater than 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures.

MSDS
Material Safety Data Sheet

MW
Megawatts

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPS
National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NO_X
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

XI. Glossary

NSR
New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO_X, PM10, and SO_2.

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than 10 microns

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

XI. Glossary

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2
Sulfur dioxide

SO2 Bubble
An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

SO3
Sulfur trioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

VOC
Volatile Organic Compounds

XI. Glossary

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
MM	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

Symbols:

<	=	less than
>	=	greater than
$\leq$	=	less than or equal to
$\geq$	=	greater than or equal to