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SACRAMENTO METROPOLITAN
AIR QUALITY
MANAGEMENT DISTRICT

TITLE V FEDERAL OPERATING PERMIT
AND
SMAQMD RULE 201 PERMITS TO OPERATE

TITLE V PERMIT NO:
TV2010-03-02A

PERMIT ISSUED:	PERMIT LAST AMENDED:	PERMIT EXPIRES:
April 19, 2011	August 15, 2013	April 19, 2016

ISSUED TO:
Campbell Soup Supply Company, LLC
6200 Franklin Boulevard
Sacramento, CA 95824

FACILITY LOCATION:
Campbell Soup Supply Company, LLC
6200 Franklin Boulevard
Sacramento, CA

RESPONSIBLE OFFICIAL:
Charles Sardo
Site Leader – Sacramento Plant
(916) 395-5143

CONTACT PERSON:
Sara Bostick
Environmental Contact
(707) 291-0425

NATURE OF BUSINESS:
Processing and Canning of
Various Foods and Juices

STANDARD INDUSTRIAL CLASSIFICATION (SIC):
2032

Larry Greene
SMAQMD Air Pollution Control Officer

by: _____
Michelle Joe
Air Quality Engineer

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I. PERMIT SUMMARY

This permit shall serve as a Permit to Operate pursuant to:

- SMAQMD Rule 201 (General Permit Requirements) and
- SMAQMD Rule 207 (Title V - Federal Operating Permit Program)

Requirements identified in the permit as non-federally enforceable are not enforceable by U.S. EPA or the public. However, they are enforceable by the SMAQMD.

Your application for this air quality Permit to Operate was evaluated for compliance with SMAQMD, State and Federal air quality rules and regulations. The following listed rules are those that were found to be applicable at the time of permit review, based on the information submitted with the Title V permit application.

Citation	Description	Rule Adoption Date	Federally Enforceable
SMAQMD Rule 101	General Provisions and Definitions	09-03-1998	Yes
SMAQMD Rule 102	Circumvention	11-29-1983	Yes
SMAQMD Rule 108	Minor Violation	10-01-1998	No
SMAQMD Rule 201	General Permit Requirements (SIP approved)	11-20-1984	Yes
SMAQMD Rule 201	General Permit Requirements (not SIP approved)	08-24-2006	No
SMAQMD Rule 202	New Source Review (not SIP approved)	08-23-2012	No
SMAQMD Rule 203	Prevention of Significant Deterioration	02-26-1991 (effective date 08-19-2011)	Yes
SMAQMD Rule 207	Title V - Federal Operating Permit Program (not SIP approved but rule is applicable as part of U.S. EPA approval of the SMAQMD Title V program)	04-26-2001	Yes
SMAQMD Rule 214	Federal New Source Review	10-28-2010 (effective date 08-19-2011)	Yes

I. PERMIT SUMMARY

Citation	Description	Rule Adoption Date	Federally Enforceable
SMAQMD Rule 301	Permit Fees - Stationary Source (not SIP approved but Title V fees in rule applicable as part of U.S. EPA approval of the SMAQMD Title V program)	08-01-2008	Yes (Title V provisions only)
SMAQMD Rule 306	Air Toxic Fees (not SIP approved)	03-27-2003	No
SMAQMD Rule 307	Clean Air Act Fees	09-26-2002	Yes
SMAQMD Rule 401	Ringelmann Chart	04-05-1983	Yes
SMAQMD Rule 402	Nuisance	08-03-1977	No
SMAQMD Rule 403	Fugitive Dust	11-29-1983	Yes
SMAQMD Rule 404	Particulate Matter	11-20-1984	Yes
SMAQMD Rule 405	Dust and Condensed Fumes	11-29-1983	Yes
SMAQMD Rule 406	Specific Contaminants	11-29-1983	Yes
SMAQMD Rule 407	Open Burning	11-29-1983	Yes
SMAQMD Rule 411	NOx from Boilers, Process Heaters and Steam Generators	08-23-2007	Yes
SMAQMD Rule 412	Stationary Internal Combustion Engines Located at Major Stationary Sources of NOx	06-01-1995	Yes
SMAQMD Rule 414	Natural Gas Fired Water Heaters (SIP approved)	08-01-1996	Yes
SMAQMD Rule 414	Natural Gas Fired Water Heaters (not SIP approved)	03-25-2010	No
SMAQMD Rule 420	Sulfur Content of Fuels	11-29-1983	Yes
SMAQMD Rule 442	Architectural Coatings (SIP approved)	09-05-1996	Yes
SMAQMD Rule 442	Architectural Coatings (not SIP approved)	05-24-2001	No
SMAQMD Rule 451	Surface Coating of Miscellaneous Metal Parts and Products (SIP approved)	11-29-1983	Yes

I. PERMIT SUMMARY

Citation	Description	Rule Adoption Date	Federally Enforceable
SMAQMD Rule 451	Surface Coating of Miscellaneous Metal Parts and Products (not SIP approved)	10-28-2010	No
SMAQMD Rule 466	Solvent Cleaning (SIP approved)	05-23-2002	Yes
SMAQMD Rule 466	Solvent Cleaning (not SIP approved)	10-28-2010	No
SMAQMD Rule 601	Procedure before the Hearing Board (not SIP approved)	02-05-1998	No
SMAQMD Rule 602	Breakdown Conditions: Emergency Variance (not SIP approved)	12-06-1978	No
SMAQMD Rule 801	New Source Performance Standards (not SIP approved)	03-27-2008	No
U.S. EPA New Source Performance Standards (NSPS)	NSPS for Stationary Compression Ignition Internal Combustion Engines 40 CFR 60 Subpart IIII (begin at 60.4200)	06-28-2011 (A)	Yes
U.S. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP)	NESHAP for Reciprocating Internal Combustion Engines 40 CFR 63 Subpart ZZZZ (begin at 63.6580)	06-24-2012 (A)	Yes
U.S. EPA 40 CFR 82 Subpart F (begin at 82.150)	Protection of Stratospheric Ozone - Recycling and Emissions Reduction 40 CFR 82 Subpart F (begin at 82.150)	04-13-2005 (A)	Yes
U.S. EPA 40 CFR 68 (begin at 68.1)	Chemical Accident Prevention Provisions 40 CFR 68 (begin at 68.1)	04-09-2004 (A)	Yes

(A) Most recent U.S. EPA promulgation date.

Future changes in prohibitory rules may establish more stringent requirements that may, at the SMAQMD level, supersede the conditions listed here. For Title V purposes however, the federally enforceable requirements are those found in the Title V permit. Federally enforceable provisions of the Title V permit do not change until the Title V permit is revised.

II. FACILITY DESCRIPTION

Permit Action History

Permit Action	Date Issued	Federal Title V Operating Permit No.
Initial permit issued:	04-19-2001	TV1996-03-01
1st Administrative Amendment	11-21-2002	TV1996-03-01A
1st Minor Modification	03-18-2003	TV1996-03-02
2nd Administrative Amendment	05-13-2003	TV1996-03-02A
1st Permit Renewal	04-19-2006	TV2005-03-01
1st Significant Modification	06-08-2007	TV2005-03-02
1st Administrative Amendment	07-31-2008	TV2005-03-02A
2nd Permit Renewal	04-19-2011	TV2010-03-01
1st Administrative Amendment	10-03-2011	TV2010-03-01A
1st Minor Modification	01-23-2013	TV2010-03-02

Current Permit Action

This 2nd Administrative Amendment to the 2nd permit renewal will be assigned the following permit number: TV2010-03-02A.

Facility Description

Prior to June 1998 Campbell Soup Company conducted two distinct operations at this facility.

- Manufacturing of 2-piece and 3-piece cans for food product packaging.
- Processing of canned foods and juices including tomato juices, tomato sauces and soups.

In June 1998 Campbell Soup Company sold the can manufacturing process to Silgan Can Company who continues the operation of the can manufacturing process at the same location. Campbell Soup Company then created a subsidiary named Campbell Soup Supply Company, LLC and assigned the canned food and juice processing to this new company.

Food Processing and Packaging:

The primary objective of food processing is the preservation of perishable foods in a stable form that can be stored and shipped to markets during all months of the year. Processing also can change foods into new or more usable forms and make foods convenient to prepare.

The canning operation employs the following general processes: washing, sorting/grading, chopping, slicing, grinding, container filling, container sealing, heat sterilization, cooling, labeling/casing, and storage for shipment. None of these activities result in significant emissions.

II. FACILITY DESCRIPTION

The principal preparation steps are washing and sorting. Raw ingredients are usually thoroughly washed by high-pressure sprays or by strong-flowing streams of water while being passed along a moving belt or an agitating or revolving screen. Ingredient preparation is done through sorting into groups (by hand) according to degree of ripeness or perfection of shape. Trimming is also done by hand.

After preparation, the raw ingredients are transported to the point of filling. Before being filled, the can is cleaned. The containers are filled with the product by the machines. After filling, the cans are sealed by interlocking the curl of the lid and flange of the can, creating a double seal. Closing machines are equipped to create vacuum in the headspace either mechanically or by steam-flow before lids are sealed (except for aluminum cans which use pressurized nitrogen to create a positive pressure before sealing).

During processing, microorganisms that can cause spoilage are destroyed by heat. The temperature and processing time vary with the nature of the product and the size of the container. After heat sterilization, containers are quickly cooled to prevent overcooking. Containers may be cooled by conveying the containers from the cooker to a rotary cooler, hydrostatic cooler, or conveyor equipped with a cold-water spray.

The steam for food processing and sterilization can be produced by four (4) natural gas fired boilers located onsite. The boilers have special equipment and special natural gas burners to reduce the air emissions of nitrogen oxides (NOx) and carbon monoxide (CO). However, under normal operation, steam is imported from a cogeneration facility located at the southwest corner of the Campbell Soup property line. The cogeneration facility is owned by the Sacramento Power Authority (subsidiary of SMUD). The steam is routed through steam lines to the facility areas where it is required.

Ingredient handling equipment is used to convey food preparation materials from storage to the processing area. The materials are handled pneumatically and air pollution control equipment is used to reduce the air emission of particulate matter (PM10).

Maintenance and Support Activities:

These activities are performed for the purpose of maintenance, repair, and upkeep of the facility equipment and grounds. Examples of these types of activities include welding, degreasing, use of lubricants, forklift activity, architectural coating, grounds maintenance, vehicle traffic, work performed by contractors, etc.

Two internal combustion engines are used in emergencies to drive water pumps for the purpose of fighting fires at the facility. Each internal combustion engine is limited to use for maintenance, testing and emergencies only.

Storage Tanks:

This facility stores vegetable oil, vinegar, chlorine and ammonia. There are also a number of small, sealed drums and containers which are not expected to emit any type of air pollutants.

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

TITLE V PERMIT MODIFICATIONS AND RENEWAL

1. The permittee shall submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for renewal no later than April 19, 2015 (12 months prior to the expiration date of the Title V permit).
[Basis: SMAQMD Rule 207 Section 301.4]

2. The permittee shall submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for minor Title V permit modification. The application shall be submitted after receiving any required preconstruction permit from the SMAQMD and before commencing operation associated with the Minor Title V permit modification.
[Basis: SMAQMD Rule 207 Section 301.6]

3. The permittee shall submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for a Significant Title V permit modification. The application shall not be submitted prior to receiving any required preconstruction permit from the SMAQMD but no later than 12 months after commencing an operation associated with the Significant Title V permit modification. Where an existing federally enforceable Title V permit condition would prohibit such change in operation or the stationary source is not required to obtain a preconstruction permit, the owner or operator must obtain a Title V permit modification before commencing operation.
[Basis: SMAQMD Rule 207 Section 301.7]

4. The permittee shall submit to the SMAQMD Air Pollution Control Officer timely updates to the Title V application as new requirements become applicable to the source.
[Basis: SMAQMD Rule 207 Section 302.1]

5. The permittee shall submit to the SMAQMD Air Pollution Control Officer any additional information necessary to correct any incorrect information in the Title V permit application upon becoming aware of such incorrect submittal or if the applicant is notified by the SMAQMD Air Pollution Control Officer of such incorrect submittal.
[Basis: SMAQMD Rule 207 Section 302.2]

6. The permittee shall submit to the SMAQMD Air Pollution Control Officer any additional information relating to the Title V application within 30 days if such information is requested in writing by the SMAQMD Air Pollution Control Officer.
[Basis: SMAQMD Rule 207 Section 302.3]

7. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted and the stationary source complies with SMAQMD Rule 207 Sections 303.1(a), (b), (c), and (d), in which case the existing Title V permit will remain in effect until the Title V permit renewal has been issued or denied.
[Basis: SMAQMD Rule 207 Section 303.2]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

8. Any Title V application form, report, or compliance certification submitted pursuant to a federally enforceable requirement in this permit shall contain certification by a responsible official. 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.
[Basis: SMAQMD Rule 207 Section 304]

9. This Title V permit shall have a 5-year fixed term from the date of issuance. The Title V permit shall have a new 5-year fixed term from the date of final action on reopening if the responsible official chooses to submit to the SMAQMD a complete Title V application for renewal upon reopening of the Title V permit pursuant to SMAQMD Rule 207 Sections 411 or 412, and the Title V permit is renewed according to the administrative procedures listed in SMAQMD Rule 207 Sections 401 through 408.
[Basis: SMAQMD Rule 207 Section 306]

PERMIT COMPLIANCE

10. The permittee must comply with all conditions of the Title V permit.
[Basis: SMAQMD Rule 207 Section 305.1(k)(1)]

11. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the Title V permit.
[Basis: SMAQMD Rule 207 Section 305.1(k)(2)]

12. This Title V permit may be modified, revoked, reopened and reissued, or terminated for cause.
[Basis: SMAQMD Rule 207 Section 305.1(k)(3)]

13. The permittee shall furnish to the SMAQMD Air Pollution Control Officer, within a reasonable time, any information that the SMAQMD Air Pollution Control Officer may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit pursuant to SMAQMD Rule 207 Section 411, or to determine compliance with this Title V permit. Upon request, the permittee shall also furnish to the SMAQMD Air Pollution Control Officer copies of records required to be kept by conditions of this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the U.S. EPA along with a claim of confidentiality.
[Basis: SMAQMD Rule 207 Section 305.1(k)(4)]

14. Noncompliance with any federally enforceable requirement in this Title V permit is grounds for Title V permit termination, revocation and reissuance, modification, enforcement action or denial of the Title V permit renewal application. Any violation of the Title V permit shall also be a violation of SMAQMD Rule 207.
[Basis: SMAQMD Rule 207 Section 305.1(k)(5)]

15. A pending Title V permit action (e.g. a proposed permit revision) or notification of anticipated noncompliance does not stay any permit condition.
[Basis: SMAQMD Rule 207 Section 305.1(k)(6)]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

16. This Title V permit does not convey any property rights of any sort or any exclusive privilege. **[Basis: SMAQMD Rule 207 Section 305.1(k)(7)]**

17. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the SMAQMD Air Pollution Control Officer or an authorized representative to perform all of the following:

    A. Enter upon the stationary source's premises where this source is located, where emissions related activity is conducted or where records must be kept under the conditions of this permit;

    B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

    C. Inspect at reasonable times, the stationary source, equipment (including monitoring and air pollution control equipment), practices and operations regulated or required under this permit, and;

    D. As authorized by the Federal Clean Air Act, sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the permit conditions or applicable federal requirements.

    [Basis: SMAQMD Rule 207 Section 413.1]

REPORTS AND RECORDKEEPING

18. **Monitoring Reports**

    A. The permittee shall submit to the SMAQMD Air Pollution Control Officer at least once every six months, unless required more frequently by an applicable requirement, reports of all required monitoring.

    B. The reporting periods for this permit shall be for the six month periods January 1 through June 30 and July 1 through December 31. The reports shall be submitted by July 30 and January 30 of each year respectively.

    C. All instances of deviations from Title V permit conditions must be clearly identified in such reports. All required reports must be certified by the responsible official and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

    [Basis: SMAQMD Rule 207 Section 501.1]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

19. **Compliance Reports**

A. The permittee shall submit to the SMAQMD Air Pollution Control Officer and U.S. EPA (Air-3, U.S. EPA, Region IX) on an annual basis, unless required more frequently by additional applicable federal requirements such as Section 114(a)(3) and 504(b) (42 U.S.C. Sections 7414(a)(3) and 7661c(b)) of the Federal Clean Air Act, a certification of compliance by the responsible official with all terms and conditions contained in the Title V permit, including emission limitations, standards and work practices.

B. The reporting period for this permit shall be January 1 through December 31. The report shall be submitted by January 30 of each year.

C. All required reports must be certified by the responsible official and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

D. The Compliance Certification Report shall include the following:

i. The identification of each term or condition of the Title V permit that is the basis of the certification;

ii. The method(s) used for determining the compliance status of the source, currently and over the reporting period, and whether such method(s) provides continuous or intermittent data;

iii. The status of compliance with the terms and conditions of the Title V permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in Section D(ii) of this condition. The certification shall identify each deviation and take it into account in the compliance certification.

a. If an emissions unit is subject to 40 CFR 64 Compliance Assurance Monitoring then the certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR 64 of this chapter occurred.

iv. Such other facts as the SMAQMD Air Pollution Control Officer may require to determine the compliance status of the source; and

v. In accordance with SMAQMD Rule 207 Section 305, a method for monitoring the compliance of the stationary source with its emissions limitations, standards and work practices.

[Basis: SMAQMD Rule 207 Section 413.4 and 40 CFR 70.6 (c)(5)]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

20. The permittee shall report within 24 hours of detection any deviation from a federally enforceable Title V permit condition not attributable to an emergency. In order to fulfill the reporting requirement of this condition, the permittee shall notify the SMAQMD Air Pollution Control Officer by telephone followed by a written statement describing the nature of the deviation from the federally enforceable permit condition.
[Basis: SMAQMD Rule 207 Section 501.3]

21. All monitoring data and support information required by a federally enforceable applicable requirement must be kept by the stationary source for a period of 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the federally enforceable applicable requirement in the Title V permit.
[Basis: SMAQMD Rule 207 Section 502.3]

RINGELMANN CHART

22. Except as otherwise provided in SMAQMD Rule 401 Section 100, the permittee shall not discharge into the atmosphere, from any single source of emission whatsoever, any air contaminant, other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour which is:

    A. As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

    B. Of such opacity as to obscure a human observer's view, or a certified calibrated in-stack opacity monitoring system to a degree equal to or greater than No. 1 on the Ringelmann Chart.

    [Basis: SMAQMD Rule 401 Section 301]

PARTICULATE MATTER

23. The permittee shall take every reasonable precaution not to cause or allow the emissions of fugitive dust from being airborne beyond the property line from which the emission originates, from any construction, handling or storage activity, or any wrecking, excavation, grading, clearing of land or solid waste disposal operation. Reasonable precautions shall include, but are not limited to:

    A. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the construction of roadways or the clearing of land.

    B. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles and other surfaces which can give rise to airborne dusts.

    C. Other means approved by the SMAQMD Air Pollution Control Officer.

    [Basis: SMAQMD Rule 403 Section 301]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

24. Except as otherwise provided in SMAQMD Rule 406, the permittee shall not discharge into the atmosphere, from any source, particulate matter in excess of 0.23 grams per dry standard cubic meter (0.1 grains per dry standard cubic foot).
[Basis: SMAQMD Rule 404 Section 301]

25. The permittee shall not discharge into the atmosphere in any one hour from any source whatsoever dust or condensed fumes in total quantities in excess of the amount shown in the "Table for Process Weight and Allowable Discharge" of SMAQMD Rule 405.
[Basis: SMAQMD Rule 405 Section 301]

26. The permittee shall not discharge into the atmosphere particulate matter from the burning of any kind of material containing carbon in a free or combined state, from any single source of emission whatsoever, combustion contaminants in any state or combination thereof exceeding in concentration at the point of discharge: 0.23 grams per dry standard cubic meter (0.1 grains per dry standard cubic foot) of gas calculated to 12% carbon dioxide (CO2) at standard conditions.
[Basis: SMAQMD Rule 406 Section 302]

SULFUR COMPOUNDS

27. The permittee shall not discharge into the atmosphere, from any single source of emission whatsoever, sulfur compounds, in any state or combination thereof, exceeding in concentration at the point of discharge: sulfur compounds, calculated as sulfur dioxide (SO2): 0.2% by volume.
[Basis: SMAQMD Rule 406 Section 301]

28. Except as otherwise provided in SMAQMD Rule 420 Section 110, the permittee shall not burn any gaseous fuel containing sulfur compounds in excess of 1.14 grams per cubic meter (50 grains per 100 cubic feet) of gaseous fuel, calculated as hydrogen sulfide at standard conditions, or any liquid fuel or solid fuel having a sulfur content in excess of 0.5% by weight.
[Basis: SMAQMD Rule 420 Section 301]

ARCHITECTURAL COATINGS AND SOLVENT CLEANING

29. Any coating applied to stationary structures and their appurtenances, to mobile homes, to pavements, or to curbs, shall meet the requirements of SMAQMD Rule 442.
[Basis: SMAQMD Rule 442 (09-05-1996 version)]

30. All VOC-containing materials used for architectural coating, including clean-up, shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired.
[Basis: SMAQMD Rule 442 Section 304 (09-05-1996 version)]

31. The permittee shall comply with the requirements of SMAQMD Rule 466 Solvent Cleaning when using volatile organic compounds for the cleanup of architectural coating application equipment or for other applications of solvent cleaning at the facility.
[Basis: SMAQMD Rule 466 (10-28-2010 version, submitted to EPA pending approval)]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

32. The permittee shall keep a record of all architectural coatings purchased that are not clearly labeled as complying with the VOC content limits contained in SMAQMD Rule 442. Compliance in these cases can be determined by maintaining records of the manufacturer's certifications or by Material Safety Data Sheets (MSDS) that demonstrate compliance with the VOC limits of SMAQMD Rule 442.
[Basis: SMAQMD Rule 442 (09-05-1996 version)]

COMPLIANCE

33. Compliance with the conditions of the Title V permit shall be deemed compliance with any applicable requirements as of the date of the Title V permit issuance.
[Basis: SMAQMD Rule 207 Section 307]

EQUIPMENT BREAKDOWNS

34. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology based emission limitations if the following conditions are met:

    A. The affirmative defense of an emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

        i. An emergency occurred and that the permittee can identify the cause(s) of the emergency.

        ii. The permitted facility was at the time being properly operated.

        iii. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the Title V permit.

        iv. The permittee submitted notice of the emergency to the SMAQMD Air Pollution Control Officer within two working days of the time when emissions limitations were exceeded due to the emergency. The notice must contain a description of the emergency, and corrective actions taken.

    B. In any enforcement proceedings, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

    [Basis: SMAQMD Rule 207 Section 414]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

35. The permittee shall notify the SMAQMD Air Pollution Control Officer of any occurrence which constitutes an emergency as defined in SMAQMD Rule 207 Section 212 as soon as reasonably possible, but no later than one hour after its detection. If the emergency occurs when the SMAQMD Air Pollution Control Officer cannot be contacted, their report of the emergency shall be made at the commencement of the next regular working day. The notification shall identify the time, specific location, equipment involved and to the extent known, the cause(s) of the occurrence.
[Basis: SMAQMD Rule 207 Section 501.2]

PAYMENT OF FEES

36. The fee for (1) the issuance of an initial Title V operating permit, (2) the renewal and/or inspection of a Title V operating permit, (3) the modification of a Title V operating permit or (4) an administrative Title V permit amendment shall be based on the actual hours spent by the SMAQMD staff in evaluating the application and processing the operating permit. The fee shall be assessed in accordance with the hourly rate established in SMAQMD Rule 301 Section 308.12.
[Basis: SMAQMD Rule 207 Section 305.7 and SMAQMD Rule 301 Section 313]

37. After the provisions for granting permits as set forth in SMAQMD Rule 207 have been complied with, the permittee will be notified by mail of the fee due and payable and the date the fee is due. If the fee is not paid by the specified due date, the fee shall be increased by one half the amount and the applicant/permittee shall be notified by mail of the increased fee. If the increased fee is not paid within 30 days after notice the application/permit will be canceled/revoked and the applicant/permittee will be notified by mail.
[Basis: SMAQMD Rule 207 Section 305.7]

CLEAN AIR ACT FEES

38. After the U.S. EPA determines that the SMAQMD has failed to demonstrate attainment of the one hour ozone ambient air quality standard by the attainment year, the permittee, operating any major stationary source of ROC or NOx, shall pay the Clean Air Act fees specified by the SMAQMD Air Pollution Control Officer in accordance with SMAQMD Rule 307.
[Basis: SMAQMD Rule 307]

EMISSION STATEMENTS

39. The permittee, when operating any stationary source that emits 25 tons or more per year of ROC or NOx, shall annually provide the SMAQMD Air Pollution Control Officer with a written emission statement showing actual emissions of ROC and NOx from that source.
[Basis: SMAQMD Rule 105]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

ACCIDENTAL RELEASES

40. If subject to Section 112(r) of the Federal Clean Air Act and 40 CFR 68, the permittee shall register and submit to the U.S. EPA the required data related to the risk management plan (RMP) for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the Federal Clean Air Act as amended in 40 CFR 68.130. The list of substances, threshold quantities and accident prevention regulations promulgated under 40 CFR 68 do not limit in any way the general duty provisions under Section 112(r)(1) of the Federal Clean Air Act.
[Basis: 40 CFR Part 68]

41. If subject to Section 112(r) of the Federal Clean Air Act and 40 CFR 68, the permittee shall comply with the requirements of 40 CFR Part 68 no later than the latest of the following dates as provided in 40 CFR 68.10(a):

    A. June 21, 1999,

    B. Three years after the date on which a regulated substance is first listed under 40 CFR 68.130, or

    C. The date on which a regulated substance is first present above a threshold quantity in a process.

    [Basis: 40 CFR Part 68]

42. If subject to Section 112(r) of the Federal Clean Air Act and 40 CFR 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR 68.
[Basis: 40 CFR Part 68]

43. If subject to Section 112(r) of the Federal Clean Air Act and 40 CFR 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) of the Federal Clean Air Act as part of the annual compliance certification as required by SMAQMD Rule 207 Section 413.4.
[Basis: 40 CFR Part 68]

TITLE VI REQUIREMENTS (OZONE DEPLETING SUBSTANCES)

44. The permittee, when opening appliances containing CFCs for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
[Basis: 40 CFR Part 82 Subpart F]

45. Equipment used during the maintenance, service, repair, or disposal of appliances containing CFCs must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
[Basis: 40 CFR Part 82 Subpart F]

III. FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

46. The permittee, when performing maintenance, service, repair or disposal of appliances containing CFCs must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
[Basis: 40 CFR Part 82 Subpart F]

SEVERABILITY

47. If any provision, clause, sentence, paragraph, section, or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgment shall not affect or invalidate the remainder of these conditions.
[Basis: SMAQMD Rule 101 Section 103]

IV. *NON*-FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

APPLICABILITY:

1. The requirements outlined in this section pertain to the SMAQMD Rule 201 Permits to Operate and are not part of the Title V permit.
   [Basis: SMAQMD Rule 201 Section 101]

SMAQMD RULE 201 PERMIT RENEWAL

2. Permits to Operate issued to the permittee, pursuant to SMAQMD Rule 201 (non-Title V Permits to Operate), shall be renewed annually on February 24 and upon payment of the permit renewal fee established pursuant to SMAQMD Rule 301.
   [Basis: SMAQMD Rule 201 Section 305 and Rule 301]

3. The SMAQMD Air Pollution Control Officer shall review every SMAQMD Rule 201 Permit to Operate upon annual renewal, pursuant to California Health and Safety Code Section 42301(c), to determine that permit conditions are adequate to ensure compliance with, and the enforceability of, SMAQMD rules and regulations applicable to the article, machine, equipment or contrivance for which the permit was issued. Applicable SMAQMD rules and regulations shall include those which were in effect at the time the permit was issued or modified, or which have subsequently been adopted and made retroactively applicable to an existing article, machine, equipment or contrivance, by the SMAQMD Board of Directors. The SMAQMD Air Pollution Control Officer shall revise the conditions, if such conditions are not consistent, in accordance with all applicable rules and regulations.
   [Basis: SMAQMD Rule 201 Section 305.2 and California Health and Safety Code Section 42301(c)]

GENERAL

4. The SMAQMD Air Pollution Control Officer and/or authorized representatives, upon the presentation of credentials shall be permitted:

   A. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Permit to Operate, and

   B. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Permit to Operate, and

   C. To inspect any equipment, operation, or method required in this Permit to Operate, and

   D. To sample emissions from the source or require samples to be taken.
   [Basis: SMAQMD Rule 201 Section 405]

5. Legible copies of all SMAQMD Rule 201 Permits to Operate shall be maintained on the premises with the equipment.
   [Basis: SMAQMD Rule 201 Section 401]

IV. *NON*-FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

EQUIPMENT OPERATION

6. The equipment shall be properly maintained.
[Basis: SMAQMD Rule 201 Section 405]

7. This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3 of the Health and Safety Code of the State of California or the Rules and Regulations of the SMAQMD.
[Basis: SMAQMD Rule 402 Section 301]

EQUIPMENT BREAKDOWNS:

8. The permittee shall notify the SMAQMD Air Pollution Control Officer of any occurrence which constitutes a breakdown, as defined in SMAQMD Rule 602 Section 201, as soon as reasonably possible, but no later than one hour after its detection. If the breakdown occurs when the SMAQMD Air Pollution Control Officer cannot be contacted, the report of breakdown shall be made at the commencement of the next regular working day. The notification shall identify the time, specific location, equipment involved and, to the extent known, the cause(s) of the occurrence.
[Basis: SMAQMD Rule 602]

9. Upon notification of the breakdown condition, the SMAQMD Air Pollution Control Officer shall investigate the breakdown condition in accordance with uniform written procedures and guidelines relating to logging of initial reports on appropriate forms, investigation, and enforcement follow-up. If the occurrence does not constitute a breakdown condition, the SMAQMD Air Pollution Control Officer may take appropriate enforcement action.
[Basis: SMAQMD Rule 602]

10. An occurrence which constitutes a breakdown condition, and which persists only until the end of the production run or 24 hours, whichever is sooner (except for continuous air pollution monitoring equipment, for which the period shall be 96 hours) shall constitute a violation of any applicable emission limitation or restriction prescribed by the SMAQMD Rules and Regulations; however, the SMAQMD Air Pollution Control Officer may elect to take no enforcement action if the owner or operator demonstrates to his satisfaction that a breakdown condition exists and the following requirements are met:

    A. The notification required in SMAQMD Rule 602 Section 301.1 is made; and

    B. Immediate appropriate corrective measures are undertaken and compliance is achieved, or the process is shutdown for corrective measures before commencement of the next production run or within 24 hours, whichever is sooner (except for continuous air pollution monitoring equipment for which the period shall be 96 hours). If the owner or operator elects to shut down, rather than come into immediate compliance, (s)he must nonetheless take whatever steps are possible to minimize the impact of the breakdown within the 24 hour period; and

IV. *NON*-FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

C. The breakdown does not interfere with the attainment and maintenance of any national ambient air quality standard.
[Basis: SMAQMD Rule 602]

11. An occurrence which constitutes a breakdown condition shall not persist longer than the end of the production run or 24 hours, whichever is sooner (except for continuous air pollution monitoring equipment, for which the period shall be 96 hours), unless an emergency variance has been obtained.
[Basis: SMAQMD Rule 602]

12. If the breakdown condition will either require more than 24 hours to correct or persists longer than the end of the production run (except for continuous air pollution monitoring equipment, for which the period shall be 96 hours) the owner or operator may, in lieu of shutdown, request the SMAQMD Air Pollution Control Officer to commence the emergency variance procedure set forth in SMAQMD Rule 602 Section 304.
[Basis: SMAQMD Rule 602]

13. No emergency variance shall be granted unless the chairperson of the SMAQMD Hearing Board or other designated member(s) of the SMAQMD Hearing Board finds that:

    A. The occurrence constitutes a breakdown condition;

    B. Continued operation is not likely to create an immediate threat or hazard to public health or safety; and

    C. The requirements for a variance set forth in California Health & Safety Code Sections 42352 and 42353 have been met;

    D. The continued operation in a breakdown condition will not interfere with the attainment or maintenance of the national ambient air quality standards.
    [Basis: SMAQMD Rule 602]

14. At any time after an emergency variance has been granted, the SMAQMD Air Pollution Control Officer may request for good cause that the chairperson or designated member(s) reconsider and revoke, modify or further condition the variance. The procedures set forth in SMAQMD Rule 602 Section 304.1 shall govern any further proceedings conducted under this request.
[Basis: SMAQMD Rule 602]

15. An emergency variance shall remain in effect only for as long as necessary to repair or remedy the breakdown condition, but in no event after a properly noticed hearing to consider an interim or 90 day variance has been held, or 15 days from the date of the subject occurrence, whichever is sooner.
[Basis: SMAQMD Rule 602]

IV. *NON*-FEDERALLY ENFORCEABLE REQUIREMENTS - GENERAL

16. Within one week after a breakdown condition has been corrected, the owner or operator shall submit a written report to the SMAQMD Air Pollution Control Officer on forms supplied by the SMAQMD Air Pollution Control Officer describing the causes of the breakdown, corrective measures taken, estimated emissions during the breakdown and a statement that the condition has been corrected, together with the date of correction and proof of compliance. The SMAQMD Air Pollution Control Officer may, at the request of the owner or operator for good cause, extend up to 30 days the deadline for submittal of the report described in this subsection. **[Basis: SMAQMD Rule 602]**

17. The burden of proof shall be on the owner or operator of the source to provide sufficient information to demonstrate that a breakdown did occur. If the owner or operator fails to provide sufficient information, the SMAQMD Air Pollution Control Officer shall undertake appropriate enforcement action. **[Basis: SMAQMD Rule 602]**

18. Any failure to comply, or comply in a timely manner, with the reporting requirements established in SMAQMD Rule 602 Sections 301.1 and 401 shall constitute a separate violation of SMAQMD Rule 602. **[Basis: SMAQMD Rule 602]**

19. It shall constitute a separate violation of SMAQMD Rule 602 for any person to file with the SMAQMD Air Pollution Control Officer a report which falsely, or without probable cause, claims that an occurrence is a breakdown condition. **[Basis: SMAQMD Rule 602]**

ARCHITECTURAL COATINGS

20. Unless applied by an aerosol can or contained within a volume of one liter or less, any person who supplies, sells, offers for sale or manufactures any architectural coating for use within the SMAQMD, as well as any person who applies or solicits the application of any architectural coating within the SMAQMD shall meet the requirements of SMAQMD Rule 442. **[Basis: SMAQMD Rule 442 (05-24-2001 version)]**

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

A. **EQUIPMENT DESCRIPTION:** The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Boiler No. 1

P/O No.	20160
Manufacturer:	Cleaver Brooks
Model:	LD-94-R,H
Serial No.:	W-3548
Type:	Steam
Main Burner Heat Input:	100 MMBTU/hour
Standing Pilot Flame Burner:	4.9 MMBTU/hour
Primary Fuel:	Natural gas
Emergency Use Fuel:	None

Boiler No. 2

P/O No.	20161
Manufacturer:	Cleaver Brooks
Model:	LD-94-R,H
Serial No.:	W-3549
Type:	Steam
Main Burner Heat Input:	100 MMBTU/hour
Standing Pilot Flame Burner:	4.9 MMBTU/hour
Primary Fuel:	Natural gas
Emergency Use Fuel:	None

Boiler No. 3

P/O No.	20936
Manufacturer:	Cleaver Brooks
Model:	DLDH-94
Serial No.:	W35530
Type:	Steam
Main Burner Heat Input:	100 MMBTU/hour
Standing Pilot Flame Burner:	4.9 MMBTU/hour
Primary Fuel:	Natural gas
Emergency Use Fuel:	None

Boiler No. 4

P/O No.	20937
Manufacturer:	Cleaver Brooks
Model:	CA-28 (Retrofit)
Serial No.:	WL1018
Type:	Steam
Main Burner Heat Input:	139 MMBTU/hour
Standing Pilot Flame Burner:	4.9 MMBTU/hour
Primary Fuel:	Natural gas
Emergency Use Fuel:	None

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS:

1. The main burners of the boilers, when burning natural gas fuel, shall not emit:

   A. Nitrogen Oxides (NOx) in excess of 9 ppmvd, corrected to 3% O_2 and averaged over a period as specified in Condition No. 10 or:

      i. averaged hourly in ppmvd corrected to 3% O_2 for **each** boiler, using the average of the three previous one hour average concentrations, and

      ii. totaled from **all** four boilers (lb/hour), using the average of the three previous one hour average concentrations,

   B. Carbon Monoxide (CO) in excess of 400 ppmvd, corrected to 3% O_2 and averaged over a period of 15 consecutive minutes,

   as applicable, except during periods of startup or shutdown as defined in SMAQMD Rule 411 Boiler NOx.
   [Basis: SMAQMD Rule 411]

2. The standing pilot flame burners of the boilers, when burning natural gas fuel, shall not emit:

   A. Nitrogen Oxides (NOx) in excess of 30 ppmvd, corrected to 3% O_2 and averaged over a period as specified in Condition No. 10 or:

      i. averaged hourly in ppmvd corrected to 3% O_2 for **each** boiler, using the average of the three previous one hour average concentrations, and

      ii. totaled from **all** four boilers (lb/hour), using the average of the three previous one hour average concentrations,

   B. Carbon Monoxide (CO) in excess of 400 ppmvd, corrected to 3% O_2 and averaged over a period of 15 consecutive minutes,

   as applicable, except during periods of startup or shutdown as defined in SMAQMD Rule 411 Boiler NOx.
   [Basis: SMAQMD Rule 411]

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

3. The emissions from each main burner of Boiler Nos. 1, 2 and 3 (SMAQMD Permit to Operate Nos. 20160, 20161 and 20936), when combusting natural gas, shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Emission Factor (A) lb/MMcf natural gas	Maximum Allowable Emissions for Natural Gas Combustion (B)	
		lb/day	lb/quarter
ROC	4	9.6	883
NOx	10.9	26.2	2,407
SO_2	0.6	1.4	132
PM10	7.6	18.2	1,678
CO	(C)	576 (D)	52,992 (E)

(A) Emission factors for SO_2 and PM10 are from U.S. EPA AP42, Tables 1.4-2 (7/98). Emission factor for NOx and ROC are based on the manufacturer's guarantee of 9 ppmvd NOx and 10 ppmvd ROC corrected to 3% O_2.
(B) Maximum allowable emissions based on each boiler operating at 0.1 MMcf/hour, 24 hours/day and 92 days/quarter.
(C) The CO emissions factors are based on source test data. The factors used shall be determined based on the method outlined in Attachment A.
(D) Daily emissions limit for CO is based on permitted levels for all four boilers combined and the emission factor derived from the method outlined in Attachment A.
(E) Quarterly emissions limit for CO is based on permitted daily level of 576 lbs/day and operating for 92 days/quarter for all four boilers combined.

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

4. The emissions from the main burner of Boiler No. 4 (SMAQMD Permit to Operate No. 20937), when combusting natural gas, shall not exceed the following limits: **[Basis: SMAQMD Rule 202]**

Pollutant	Emission Factor (A) lb/MMcf natural gas	Maximum Allowable Emissions for Natural Gas Combustion (B)	
		lb/day	lb/quarter
ROC	4	13.3	1,228
NOx	10.9	36.4	3,345
SO_2	0.6	2.0	184
PM10	7.6	25.4	2,333
CO	(C)	576 (D)	52,992 (E)

(A) Emission factor for ROC and NOx are based on the manufacturer's guarantee of 10 ppmvd ROC and 9 ppmvd NOx corrected to 3% O_2. Emission factors for SO_2 and PM10 are from U.S. EPA AP42, Tables 1.4-1, 2, 3 (7/98).

(B) Maximum allowable emissions based on the boiler operating at 0.139 MMcf/hour, 24 hours/day and 92 days/quarter.

(C) The CO emissions factors are based on source test data. The factors used shall be determined based on the method outlined in Attachment A.

(D) Daily emissions limit for CO is based on permitted levels for all four boilers combined and the emission factor derived from the method outlined in Attachment A.

(E) Quarterly emissions limit for CO is based on permitted daily level of 576 lbs/day and operating for 92 days/quarter for all four boilers combined.

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

5. The emissions from each standing pilot flame burner of Boilers Nos. 1, 2, 3 and 4 (SMAQMD Permit to Operate Nos. 20160, 20161, 20936, 20937) when combusting natural gas, shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Emission Factor (A) lb/MMcf natural gas	Maximum Allowable Emissions for Natural Gas Combustion (B)	
		lb/day	lb/quarter
ROC	5.5	0.6	60
NOx	36.4	4.3	394
SO_2	0.6	0.1	6
PM10	7.6	0.9	82
CO	296	576 (C)	52,992 (D)

(A) Emission factors for ROC, SO_2 and PM10 are from U.S. EPA AP42, Tables 1.4-2 (7/98). Emission factors for NOx and CO are based on 30 ppmvd NOx and 400 ppmvd CO corrected to 3% O_2.
(B) Emissions based on maximum capacity of 0.0049 MMcf/hour, the emission factors in this table and operating for 24 hours/day and 92 days/quarter, except for CO.
(C) Daily emissions limit for CO is based on permitted levels for all four boilers combined and the emission factor derived from the method outlined in Attachment A.
(D) Quarterly emissions limit for CO is based on permitted daily level of 576 lbs/day and operating for 92 days/quarter for all four boilers combined.

6. The combined NOx emissions from Boilers Nos. 1, 2, 3 and 4 (SMAQMD Permit to Operate Nos. 20160, 20161, 20936, 20937) when combusting natural gas shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NOx, lb/day (A)	275	250	450	350
NOx, tons/quarter (B)	12.5	11.4	20.5	15.9

(A) The daily NOx limit is a limit requested by the permittee that is less than the maximum daily operating capacity emissions. The maximum daily operating capacity emissions are 480 lb/day based on 0.412 MMcf natural gas/hour, 40 ppm NOx (48.5 lb/MMcf) and 24 hours/day.
(B) The quarterly NOx limit is a limit requested by the permittee that is less than the maximum quarterly operating capacity emissions. The maximum quarterly operating capacity emissions are 21.6, 21.8, 22.0 and 22.0 tons/quarter for Quarters 1, 2, 3 & 4, respectively.

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

7. The combined emissions from Boilers Nos. 1, 2, 3 and 4 (SMAQMD Permit to Operate Nos. 20160, 20161, 20936, 20937) when combusting natural gas shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Emission Factor lb/MMcf natural gas	Maximum Allowable Emission for Natural Gas Combustion (D)	
		lb/day	tons/year
ROC	Boilers Nos. 1, 2, 3, & 4 – Main Burner = 4 (A) Boilers Nos. 1 & 2 – Standing Pilot Flame Burner = 5.5 (B)	27.6	3
NOx	Use CEM Data	See Condition No. 6	60.3
SO_2	0.6 (B)	6	0.6
PM10	7.6 (B)	49.4	5
CO	(C)	576	54

(A) Emission factors for ROC from manufacturer's guarantee of 10 ppmvd corrected to 3% O_2.
(B) Emission factor for ROC, SO_2 and PM10 are from U.S. EPA AP42, Table 1.4-2 (7/98).
(C) The CO emission factors used shall be determined based on the criteria outlined in Attachment A.
(D) Based on daily and annual natural gas usage and the emission factor listed in this table.

EQUIPMENT OPERATION AND MONITORING REQUIREMENTS:

8. The respective flue gas recirculation systems shall operate whenever the boilers are operating.
[Basis: SMAQMD Rule 201 Section 405]

9. A computerized tracking system that maintains a continuous daily record of fuel usage shall be installed, maintained and operated to monitor periods of individual standing pilot flame burner usage to calculate CO emissions in accordance with Attachment A.
[Basis: SMAQMD Rule 411 Section 306.1]

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

10. The permittee shall operate and properly maintain a continuous emission monitoring (CEM) system that has been approved by the SMAQMD Air Pollution Control Officer.

    A. The CEM system shall monitor and record nitrogen oxides and oxygen.

    B. The CEM system shall be installed and operated in compliance with the U.S. EPA monitoring requirements (40 CFR 60.13).

    C. The CEM system shall comply with the U.S. EPA performance specifications (40 CFR Part 60 Appendix B Performance Specifications 2 and 3).

    D. The CEM system shall comply with the U.S. EPA quality assurance procedures (40 CFR 60 Appendix F).

    E. The Data Acquisition System (DAS) shall have the capability of expressing the measured NOx emissions in terms of parts per million by volume dry (ppmvd) corrected to 3% O_2.

    F. The DAS shall record NOx emissions in the engineering units defined by the SMAQMD Rule 201 Permit to Operate.

    G. The DAS shall record all data in compliance with the U.S. EPA quality assurance procedures (40 CFR 60 Appendix F).

    H. The CEM system and DAS shall monitor and collect a minimum of data as follows:

        i. Obtain at least two data points per hour in order to calculate a valid 1-hour arithmetic average. 40 CFR 60.13(E)(2) requires the CEM system to complete at least one cycle of operation (sampling, analyzing and data recording) for each successive 15-minute period.

        ii. Compliance with the emission limits of Condition No. 1 and No. 2 shall be determined on an hourly basis using the three previous one hour average emissions concentrations.

    [Basis: SMAQMD Rule 201 Section 405]

11. The fuel flow meters to monitor the natural gas fuel flow rate to the boilers shall be properly maintained, calibrated and operated.
    [Basis: SMAQMD Rule 201 Section 405]

12. The continuous emissions tracking system to calculate the hourly, daily, quarterly and yearly NOx emissions from the boilers shall be properly maintained and operated to insure the emission limits in Condition Nos. 1, 2, 3, 4, 5, 6, and 7 are not exceeded.
    [Basis: SMAQMD Rule 201 Section 405]

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

RECORDKEEPING AND REPORTING REQUIREMENTS:

13. The following record shall be continuously maintained on site for the most recent three year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly and yearly records shall be made available for inspection within 30 days of the end of the previous quarter or year respectively.
[Basis: SMAQMD Rule 201 Section 405]

Frequency	Information to be recorded
Hourly	A. Average hourly NOx concentration in ppmvd corrected to 3% O_2 for each boiler, using the average of the three previous one hour average concentrations. **Condition Nos. 1 and 2** B. Total hourly NOx emissions from all four boilers (lb/hour), using the average of the three previous one hour average concentrations. **Condition No. 6**
Daily	C. Total daily natural gas usage for each boiler (cf/day). D. Total daily NOx, CO, ROC, SO_2, and PM10 emissions, when burning natural gas, from all four boilers (lb/day). **Condition No. 7**
Quarterly	E. Total quarterly NOx emissions, when burning natural gas, for all four boilers (tons/quarter). **Condition No. 6**
Yearly	F. Total yearly natural gas usage for each boiler (cf/year). G. Total yearly NOx, CO, ROC, SO_2, and PM10 emissions, when burning natural gas, from all four boilers (tons/day). **Condition No. 7**

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

14. A written report shall be submitted to the SMAQMD Air Pollution Control Officer that includes the following information:
[Basis: SMAQMD Rule 201 Section 405]

Frequency	Information to be included in report
Quarterly: Submitted by the following dates of each year: January 30 April 30 July 30 October 30	A. Quarterly operating report to include the following: i. Total natural gas fuel usage for all four boilers. (cubic feet/quarter). ii. Total NOx emissions from natural gas fuel usage for all four boilers (tons/quarter).
Quarterly: Submitted by the following dates of each year: January 30 April 30 July 30 October 30	B. Quarterly excess emissions report to include the following: (Excess emissions are defined as any period during which the emissions of NOx exceeds the limit of Condition Nos. 1, 2, 3, 4, 5, 6, or 7). i. The date and time of commencement and completion of each time period of excess emissions. ii. The magnitude of excess emissions in units of ppmvd, pounds per hour, pounds per day, pounds per quarter or pounds per year as applicable. iii. Specific identification of each period of excess emissions that occurs during start-ups, shutdowns and malfunctions of the boiler, including: a. The nature and cause of any malfunctions (if known). b. The corrective action taken or preventative measures adopted. iv. The date and time identifying each period during which the continuous emission monitor or the continuous emissions tracking system was inoperative, except for zero and span checks, and the nature of the system repairs or adjustments. v. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired or adjusted, such information shall be stated in the report.

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

EMISSION TESTING REQUIREMENTS:

15. A NOx and CO source test of each boiler, when using natural gas as a fuel, shall be performed once each calendar year to verify compliance with Condition No. 1. A separate NOx and CO source test of the standing pilot flame burner of each boiler shall be performed once each calendar year to verify compliance with Condition No. 2. The tests shall conform to the following test condition and time schedule:

    A. Submit a source test plan to the SMAQMD Air Pollution Control Officer for approval at least 30 days before the source test is to be performed.

    B. Notify the SMAQMD Air Pollution Control Officer at least 7 days prior to the source test date.

    C. Submit the source test report to the SMAQMD Air Pollution Control Officer within 60 days from the completion of the source test.

    [Basis: SMAQMD Rule 411]

16. Test methods used and combustion rates for the source tests shall be those specified in SMAQMD Rule 411 Boiler NOx, Section 501.1.
    [Basis: SMAQMD Rule 411]

17. Relative Accuracy Test of the continuous emissions monitoring system shall be performed at the time of the yearly emissions test as specified in Condition No. 10.D.
    [Basis: SMAQMD Rule 411]

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – BOILERS NOS. 1, 2, 3, AND 4

Attachment A

Campbell Soup Supply Company, LLC

CO Emission Calculation Method

SMAQMD Rule 201 Permit to Operate No.	Equipment	Rating	CO Emission Factor **A**	Daily Usage **B**	Daily Usage Units	CO Emission (lb/day) **= A x B**
20160	Boiler No. 1 (Main Burner)	100 MMBTU/hr	30 lb/MMcf or (A)		MMcf/day	
20160	Boiler No. 1 (Standing Pilot Flame Burner)	4.9 MMBTU/hr	296 lb/MMcf		MMcf/day	
20161	Boiler No. 2 (Main Burner)	100 MMBTU/hr	30 lb/MMcf or (A)		MMcf/day	
20161	Boiler No. 2 (Standing Pilot Flame Burner)	4.9 MMBTU/hr	296 lb/MMcf		MMcf/day	
20936	Boiler No. 3 (Main Burner)	100 MMBTU/hr	30 lb/MMcf or (A)		MMcf/day	
20936	Boiler No. 3 (Standing Pilot Flame Burner)	4.9 MMBTU/hr	296 lb/MMcf		MMcf/day	
20937	Boiler No. 4 (Main Burner)	139 MMBTU/hr	187 lb/MMcf or (A)		MMcf/day	
20937	Boiler No. 4 (Standing Pilot Flame Burner)	4.9 MMBTU/hr	296 lb/MMcf		MMcf/day	
					Total Daily CO Emissions **[Not to Exceed 576 lb/day]**	

(A) Data from the most recent source test shall be used if that data produces an emission factor greater than the value shown in this table.

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – DRY INGREDIENT AIR POLLUTION CONTROL SYSTEM NOS. 1, 2 AND 3

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Dry Ingredient Air Pollution Control System No. 1

P/O No.	23336
Device:	Rotoclone
Manufacturer:	American Air Filter
Type:	W
Size:	27
Serial No.:	W120020
Capacity:	16,000 cfm
Horsepower:	40
Venting:	(6) flour mixers and (1) allergen scale table

Dry Ingredient Air Pollution Control System No. 2

P/O No.	23325
Device:	Rotoclone
Manufacturer:	American Air Filter
Type:	W
Size:	27
Serial No.:	W120019
Capacity:	16,000 cfm
Horsepower:	40
Venting:	(1) bagged-flour dumping station, (5) bulk bag unloading stations, (2) MSG and sugar batching stations, and (1) flour sifter hood

Dry Ingredient Air Pollution Control System No. 3

P/O No.	23441
Device:	Rotoclone
Manufacturer:	American Air Filter
Type:	W
Size:	12
Serial No.:	W120021
Capacity:	3,000 cfm
Horsepower:	10
Venting:	(2) rock salt storage silos and handling system

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – DRY INGREDIENT AIR POLLUTION CONTROL SYSTEM NOS. 1, 2 AND 3

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSIONS LIMIT REQUIREMENTS:

1. The emissions from Dry Ingredient Air Pollution Control System No. 1 shall not exceed the following limits:
   [Basis: SMAQMD Rule 202 Section 301]

Pollutant	Emission Factor (A) (grains/dscf)	Maximum Allowable Emissions (B)		
		(lb/day)	(lb/quarter)	(lb/year)
PM10	0.002	6.6	606	2,409
PM2.5	0.002	6.6	606	2,409

(A) Emission factor for PM10 and PM2.5 (assuming that all PM is PM10 and PM2.5) assumes 0.2 grains/dscf inlet concentration and 99% control.
(B) Emissions based on maximum capacity (16,000 CFM) and 24 hours/day, 92 days/quarter and 365 days/year of operation.

2. The emissions from Dry Ingredient Air Pollution Control System No. 2 shall not exceed the following limits:
   [Basis: SMAQMD Rule 202 Section 301]

Pollutant	Emission Factor (A) (grains/dscf)	Maximum Allowable Emissions (B)		
		(lb/day)	(lb/quarter)	(lb/year)
PM10	0.002	6.6	606	2,409
PM2.5	0.002	6.6	606	2,409

(A) Emission factor for PM10 and PM2.5 (assuming that all PM is PM10 and PM2.5) assumes 0.2 grains/dscf inlet concentration and 99% control.
(B) Emissions based on maximum capacity (16,000 CFM) and 24 hours/day, 92 days/quarter and 365 days/year of operation.

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – DRY INGREDIENT AIR POLLUTION CONTROL SYSTEM NOS. 1, 2 AND 3

3. The emissions from Dry Ingredient Air Pollution Control System No. 3 shall not exceed the following limits:
[Basis: SMAQMD Rule 202 Section 301]

Pollutant	Emission Factor (A) (grains/dscf)	Maximum Allowable Emissions (B)		
		(lb/day)	(lb/quarter)	(lb/year)
PM10	0.01309	8.1	743	2,949
PM2.5	0.01309	8.1	743	2,949

(A) Emission factor for PM10 and PM2.5 (assuming that all PM is PM10 and PM2.5) assumes 2.618 grains/dscf inlet concentration and 99.5% control.
(B) Emissions based on maximum capacity (3,000 CFM) and 24 hours/day, 92 days/quarter and 365 days/year of operation.

EQUIPMENT OPERATION REQUIREMENTS:

4. The following equipment shall not operate unless vented to the designated APC Rotoclone.
   A. (6) flour mixers
   B. (1) allergen scale table
   C. (1) bagged-flour dumping station
   D. (5) bulk bag unloading stations
   E. (2) MSG and sugar batching stations
   F. (1) flour sifter hood
   G. (2) rock salt storage silos and handling system
   [Basis: SMAQMD Rule 201 Section 405]

5. The APC Rotoclone shall not operate unless the water supply is on.
[Basis: SMAQMD Rule 201 Section 405]

RECORDKEEPING & REPORTING REQUIREMENTS:

6. None (because maximum allowable emissions are based on maximum capacity, 24 hours/day and 92 days/quarter).

7. ***The following condition is <u>not</u> an applicable federally enforceable requirement:*** The permittee shall, upon determination of applicability and written notification by the SMAQMD, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.).
[Basis: SMAQMD Rule 201 Section 303.1]

EMISSIONS TESTING REQUIREMENTS:

8. None

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Internal Combustion Engine - Emergency Use

P/O No.	14634
Manufacturer:	Cummins
Model:	V-378-F2
Serial No.:	20216434
Horsepower:	136 bhp at 3,300 rpm
Fuel:	Diesel no. 2
Driving:	Water pump for fire fighting

Internal Combustion Engine - Emergency Use

P/O No.	21074
Manufacturer:	Cummins
Model:	CFP83-F40
Serial No.:	46893638 (Diesel #2)
Horsepower:	288 bhp at 1,760 rpm
Fuel:	Diesel no. 2
Driving:	Water pump for fire fighting

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA, and the public.

EMISSIONS LIMIT REQUIREMENTS:

1. The emissions from the IC engine (SMAQMD Permit to Operate No. 14634) shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Emission Factor (A) grams/hp-hr	Maximum Allowable Emissions (B)	
		lb/quarter	lb/year
ROC	1.14	68	68
NOx	14.0	840	840
SO_2	0.005	0	0
PM10	1.0	60	60
CO	3.03	182	182

(A) Emission factor for ROC, NOx, PM10, and CO from U.S. EPA AP42, Table 3.3-3 (1/95). SO_2 emission factor based on U.S. EPA AP42, Table 3.3-1 (10/96) using a fuel sulfur content of 15 ppm.
(B) Emissions based on 136 hp, 200 hours/quarter and 200 hours/year of operation.

2. The emissions from the IC engine (SMAQMD Permit to Operate No. 21074) shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Emission Factor (A) grams/hp-hr	Maximum Allowable Emissions (B)	
		lb/quarter	lb/year
ROC	1.14	145	145
NOx	4.9	622	622
SO_2	0.005	1	1
PM10	0.149	19	19
CO	2.6	330	330

(A) Emission factor for VOC, NOx, and CO are based on SMAQMD BACT determinations. PM10 emission factor based on SMAQMD T-BACT determination. SO_2 emission factor based on U.S. EPA AP42, Table 3.3-1 (10/96) using a fuel sulfur content of 15 ppm.
(B) Emissions based on 288 hp, 200 hours/quarter and 200 hours/year of operation.

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

EQUIPMENT OPERATION REQUIREMENTS:

3. The IC engine (SMAQMD Permit to Operate No. 14634) shall operate only for the following purposes and shall not operate more than the following hours:
[Basis: SMAQMD Rule 201 Section 405]

Type of Operational Hours	Maximum Allowable Operation	
	(hours/quarter)	(hours/year)
Maintenance Purposes (A)	50	50
All Operation - Maintenance (A) and Emergency (B)	200	200

(A) Maintenance purposes is defined as: the operation of an IC engine in order to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 – "Standards for Inspection, Testing and Maintenance of Water-Based Fire Protection Systems," latest edition, or when required by the SMAQMD to verify compliance with the applicable rules and regulations.

(B) Emergency is defined as: when a fire is detected and the fire pump is operated to supply water for fire suppression or when the line pressure in the fire suppression system falls below the critical level.

4. The IC engine (SMAQMD Permit to Operate No. 21074) shall operate only for the following purposes and shall not operate more than the following hours:
[Basis: SMAQMD Rule 201 Section 405]

Type of Operational Hours	Maximum Allowable Operation	
	(hours/quarter)	(hours/year)
Maintenance Purposes (A)	50	50
All Operation - Maintenance (A) and Emergency (B)	200	200

(A) Maintenance purposes is defined as: the operation of an IC engine in order to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 – "Standards for Inspection, Testing and Maintenance of Water-Based Fire Protection Systems," latest edition, or when required by the SMAQMD to verify compliance with the applicable rules and regulations.

(B) Emergency is defined as: when a fire is detected and the fire pump is operated to supply water for fire suppression or when the line pressure in the fire suppression system falls below the critical level.

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

5. The IC engine (SMAQMD Permit to Operate No. 14634) shall be equipped with a non-resetting hour meter, with a minimum display capability of 999 hours, to ensure compliance with Conditions No. 1 and No. 3.
[Basis: SMAQMD Rule 201 Section 405]

6. The IC engine (SMAQMD Permit to Operate No. 21074) shall be equipped with a non-resetting hour meter, with a minimum display capability of 9,999 hours, to ensure compliance with Conditions No. 2 and No. 4.
[Basis: SMAQMD Rule 201 Section 405]

7. Upon request of the SMAQMD Air Pollution Control Officer, once each year, during daylight hours, each IC engine shall be run at maximum anticipated load, from a cold start condition, for observation of compliance with opacity limitations.
[Basis: SMAQMD Rule 201 Section 405]

8. Each IC engine shall be fueled with:

   A. CARB diesel fuel, or

   B. An alternative diesel fuel that meets the requirements of the Verification Procedure (as codified in CCR, Title 13, Sections 2700-2710), or

   C. An alternative fuel, or

   D. CARB diesel fuel used with fuel additives that meets the requirements of the Verification Procedure (as codified in CCR, Title 13, Sections 2700-2710), or

   E. Any combination of fuels listed in this condition.
   [Basis: SMAQMD Rule 201 Section 405]

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

RECORDKEEPING REQUIREMENTS:

9. For each IC engine, the following records shall be continuously maintained onsite for the most recent three year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Monthly, quarterly and yearly records shall be made available within 30 days of the end of the reporting period.
[Basis: SMAQMD Rule 201 Section 405]

Frequency	Information to be recorded
When operated	A. Date. B. Purpose - either maintenance (M) or emergency (E). C. Number of hours of operation.
Monthly	E. Total number of hours of operation for each operating mode. (hours/month)
Quarterly	F. Total number of hours of operation for each operating mode. (hours/quarter)
Annually	G. Total number of hours of operation for each operating mode. (hours/year)
All fuel deliveries	H. Retain fuel purchase records that account for all fuel purchased for use in the engine. Fuel purchase records shall include: i. Identification of type of fuel (e.g. CARB diesel, alternate diesel, etc.). ii. Quantity of fuel purchased. iii. Date of fuel purchase. iv. Signature of person receiving fuel. v. Signature of fuel provider indicating that fuel was delivered.

EMISSIONS TESTING REQUIREMENTS:

10. None

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

FUTURE EFFECTIVE REQUIREMENTS 05-03-2013

The following permit conditions are future effective requirements for -

40 CFR 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines [begin at 40 CFR 63.6580]

NOTE - CONDITION NOS. 11 - 16 DO NOT BECOME EFFECTIVE UNTIL MAY 3, 2013.

11. The following Maintenance Management Practices (MMP) shall be performed in accordance with the following schedule.
[Basis: 40 CFR 63.6602 and Subpart ZZZZ Table 2C]

Maintenance Activity	Frequency
A. Change oil and filter	At least once every calendar year
B. Inspect air cleaner	At least once every calendar year
C. Inspect all hoses and belts	At least once every calendar year

12. If the IC engine is operating during an emergency and it is not possible to shut down the IC engine in order to perform the MMP on the schedule required in Condition No. 11, or if performing the MMP on the required schedule would otherwise pose an unacceptable risk under federal, state or local law, the specific MMP can be delayed until the emergency is over or the unacceptable risk has abated. The MMP should be performed as soon as practicable after the emergency has ended or the unacceptable risk has abated. Sources must report to the federal administrator any failure to perform the MMP on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.
[Basis: 40 CFR 63.6602 and Subpart ZZZZ Table 2C Footnote 1]

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

FUTURE EFFECTIVE REQUIREMENTS 05-03-2013

13. As an alternative to Condition No. 11A, the owner/operator has the option to utilize an oil analysis program as described below in order to extend the specified oil and filter change requirement.

    A. The oil analysis must be performed at the same frequency specified for changing the oil as specified above.

    B. The analysis program must at a minimum analyze the following three parameters: total base number, viscosity, and percent water content.

    C. The condemning limits for these parameters are as follows: total base number is less than 30 percent of the total base number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5.

    D. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil.

    E. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis.

    F. If the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later.

    G. The oil analysis program shall be part of the maintenance plan for the engine as specified in Condition No. 15.

    [Basis: 40 CFR 63.6625(i)]

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – INTERNAL COMBUSTION ENGINES, EMERGENCY USE

FUTURE EFFECTIVE REQUIREMENTS 05-03-2013

14. The operator shall minimize the IC engine's time spent at idle during startup and minimize the IC engine's startup time to a period needed for appropriate and safe loading of the IC engine.
[Basis: 40 CFR 63.6625(h)]

15. The IC engine shall be maintained according to the manufacturer's emission-related operation and maintenance instructions or the owner/operator can develop and follow their own maintenance plan in accordance with good air pollution control practices.
[Basis: 40 CFR 63.6625(e)(2)]

16. The following records shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request.

Frequency	Information to be Recorded
When event occurs	A. Occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment. **[Basis: 40 CFR 63.6655(a)(2)]** B. Actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning process to its normal or usual manner of operation. **[Basis: 40 CFR 63.6655(a)(5)]** C. All maintenance conducted on the IC engine (e.g. change oil and filter, inspect air cleaner and inspect all hoses and belts). **[Basis: 40 CFR 63.6655(e)(2)]** D. If the oil analysis option is utilized as specified in Condition No. 13, records of the parameters that are analyzed as part of the oil analysis program and the results of the analysis. **[Basis: 40 CFR 63.6625(i)]**

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – INKJET PRINTING OPERATIONS

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Inkjet Printing Operations
P/O No. 22542
Description: Inkjet printing operation consisting of various manufacturers and various model number inkjet printers.

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA, and the public.

EMISSIONS LIMIT REQUIREMENTS:

1. The emissions from the inkjet printing operation (SMAQMD Permit to Operate No. 22542) shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Pollutant	Maximum Allowable Emissions	
	lb/day (A)	lb/quarter
ROC	82	1,500

(A) The daily ROC limit is based on all printers (26 present at the time of initial permitting) emitting ROC at maximum capacity for 24 hours/day.

2. Compliance with the quarterly emission limitation specified in Condition No. 1 shall be determined as follows:

ROC Emissions (lb/quarter) = (Inks used, gallons/quarter) x (VOC content, lb/gal)
+ (Make-Up fluid used, gallons/quarter) x (VOC content, lb/gal)
+ (Cleaning solution used, gallons/quarter) x VOC content, lb/gal)
[Basis: SMAQMD Rule 201 Section 405]

EQUIPMENT OPERATION REQUIREMENTS:

4. Each ink jet printer shall be operated and maintained in accordance with the manufacturer's recommendations.
[Basis: SMAQMD Rule 201 Section 405]

5. All VOC-containing cloth or paper used for surface preparation or equipment cleanup shall be stored or disposed of in closed containers.
[Basis: SMAQMD Rule 201 Section 405]

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – INKJET PRINTING OPERATIONS

RECORDKEEPING REQUIREMENTS:

6. The following records shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly records as specified in the table below shall be made available for inspection within 30 days from the end of the calendar quarter.

Frequency	Information to be recorded
When operated for maintenance	A. List of currently used materials, including the following information: i. Material type by name, code and manufacturer. ii. VOC content of each ink, make-up fluid and cleaning solvent as-applied including water and exempt compounds (grams/liter or lb/gal).
Daily	B. Daily records are not required because all printers are permitted at maximum capacity for 24 hours/day.
Quarterly	C. Usage of each ink, make-up fluid and cleaning solvent as-applied included water and exempt compounds (gallons/quarter). D. Calculation of ROC emissions by the method specified in Condition No. 2.

[Basis: SMAQMD Rule 201 Section 405]

EMISSIONS TESTING REQUIREMENTS:

7. None

VI. INSIGNIFICANT EMISSIONS UNITS

The following systems and equipment are considered insignificant emissions units and are not subject to equipment specific requirements. However, these units are required to comply with all applicable general requirements.

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
I. General Criteria for Insignificant Activities	1. Not subject to a source-specific requirement of a State Implementation Plan and Emits no more than 0.5 tons per year of a federal hazardous air pollutant (HAP) and no more than two tons per year of a regulated pollutant that is not a HAP	a. Vehicles used to transport passengers and freight. These include fork lifts and on-site diesel trucks. b. Various emission units that emit less than 2 lb/day. c. HVAC equipment. This includes air conditioning equipment, building ventilation, air flow cleaners, cooling towers, HVACs, air compressors, hydrostatic cookers, evaporative condensers, and refrigeration. d. General Repairs and Maintenance. This includes operations such as insect and rodent fumigation services performed by a contractor.

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
II.A Fugitive Emission Sources Associated with Insignificant Activities	1. Fugitive emissions sources associated with insignificant activities	NA
II.B Combustion and Heat Transfer Equipment	1. Combustion equipment with maximum heat input ≤ 5,000,000 BTU/hour and exclusively fired with natural gas or LPG (propane) 2. Piston-type internal combustion engine with rating ≤ 50 bhp	NA
II.C Cooling Towers	1. Any water cooling tower which: 1) has a circulation rate of less than 10,000 gallons per minute; and 2) is not used to cool process water, water from barometric jets, or water from barometric condensers	NA
II.D Printing and Reproduction Equipment	1. Any printing, coating, or laminating activity which uses no more than two gallons per day of graphic arts materials, including: inks, coatings, adhesives, fountain solutions, thinners, retarders, or cleaning solutions. 2. Any laser printing equipment.	NA

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
II.E Food Processing Equipment	NA	NA
II.F Plastic and / or Rubber Processing Equipment	NA	NA
II.G Storage Containers, Reservoirs, and Tanks - Fuel, Fuel Oil and Asphalt	1. Any equipment used exclusively for the storage of fuel oils or non-air-blown asphalt with specific gravity 0.9042 or higher (25° API or lower) as determined by API test method 2547 or ASTM test method D-1298-80.	NA
II.H Storage Containers, Reservoirs, and Tanks - General Organic and VOC-Containing Material	1. Any equipment used exclusively for the storage of unheated organic material with: a. An initial boiling point of 150° C [302° F] or greater as determined by ASTM test method 1078-86); or b. A vapor pressure of no more than five millimeters mercury (mmHg) [0.1 pound per square inch (psi) absolute] as determined by ASTM test method D-2879-86. 2. Any equipment with a capacity of no more than 250 gallons used	a. Tanks containing liquids with Vp ≤ 77.5 mm Hg and < 6076 Gal Capacity These tanks contain vegetable oil, diesel, gasoline, and belt lubricant. b. Tanks containing liquids with Vp < 5 mm Hg (0.1 psi). These tanks contain fructose and vegetable oil.

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
	exclusively for the storage of unheated organic liquid. 3. Any equipment with a capacity of no more than 6,077 gallons used exclusively for the underground storage of unheated organic liquid with a vapor pressure no more than 75 mm Hg (1.5 psi absolute) as determined by ASTM test method D-2879-86.	
II.I Storage Containers, Reservoirs, and Tanks - Inorganic Material	NA	NA
II.J Storage Containers, Reservoirs, and Tanks - Liquefied Gases	1. Any equipment used exclusively for the storage of liquefied gases in unvented (except for emergency pressure-relief valves) pressure vessels.	a. Tanks containing liquefied or compressed gases These tanks contain LPG and liquid nitrogen.
II.K Compression and Storage of Dry Natural Gas	NA	NA
II.L Transfer Equipment	NA	NA
II.M Adhesive Application	NA	NA

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
II.N Surface Coating	1. Any equipment or activity using no more than one gallon per day of surface coating, or any combination of surface coating and solvent, which contains either VOC or hazardous air pollutants (HAP), or both.	Various equipment meeting the described criteria.
II.O Solvent Cleaning	1. Any equipment or activity using no more than one gallon per day of solvent, or combination of solvent and surface coating, which contains either VOC or HAP, or both. 2. Any unheated, non-conveyorized cleaning equipment (not including control enclosures): a. which has an open surface area of no more than 10.8 square feet (2 square meters) and internal volume of no more than 92.5 gallons b. which uses organic solvents with an initial boiling point of 302° F or greater as determined by ASTM test method 1078-78 c. from which the owner or operator can demonstrate, through solvent purchase and use records, that less	NA

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
	than 25 gallons per year of solvent was lost exclusive of solvent loss from recycling or disposal. 3. Any solvent wipe cleaning provided such cleaning: a. utilizes a container applicator to limit emissions (e.g., squeeze containers with narrow tips, spray bottles, dispensers with press-down caps, etc.) b. occurs at a facility which emits no more than five tons VOC (uncontrolled emissions) per calendar year from all solvent wipe-cleaning operations or which purchases no more than 1,500 gallons of solvent per calendar year.	
II.P Abrasive Blasting	1. Any blast cleaning equipment using a suspension of abrasive material in water and the control equipment venting such blast cleaning equipment. 2. Any abrasive blast room when vented to a control device that discharges back to the room.	NA

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
II.Q Brazing, Soldering, Welding and Cutting Torches	1. Any brazing, soldering, welding, or cutting torch equipment used in manufacturing and construction activities and with the potential to emit hazardous air pollutant (HAP) metals, provided the total emissions of HAPs do not exceed 0.5 tons per year.	NA
II.R Solder Leveler, Hydrosqueegee, Wave Solder Machine, or Drag Solder Machine	NA	NA
II.S Metal Products	NA	NA
II.T Aerosol Can Puncturing or Crushing	NA	NA
II.U Biotechnology Manufacturing	NA	NA
II.V Textile Dyeing, Stripping or Bleaching	NA	NA
II.W Laboratory Fume Hoods and Vents	1. Any laboratory fume hood or vent, provided such equipment is used exclusively for the purpose of teaching, research, or quality control.	a. Laboratory equipment.

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001	Basis for Exemption	Equipment (for details of equipment see the permittee's Title V permit application for Exempt Equipment (dated 04-19-2010))
II.X Refrigeration Units	1. Any refrigeration unit provided the unit: a. Contains less than 50 pounds of refrigerant; and b. Is not used in conjunction with air pollution control equipment.	NA
NA	CERCLA sources that are covered by a U.S. EPA consent decree under CERCLA and thus not subject to SMAQMD Rule 201 permit requirements and therefore not included in the Title V permit.	NA

VII. ACRONYMS, ABBREVIATIONS AND UNITS OF MEASURE

Acronyms, abbreviations and units of measure used in this permit are defined as follows:

ASTM
American Society for Testing and Materials

BACT
Best Available Control Technology.

CAA
The federal Clean Air Act.

CARB
California Air Resources Board.

CFC
Chloro-fluoro-carbons. A class of compounds responsible for destroying ozone in the upper atmosphere.

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.

ERC
Emission reduction credit.

Federally Enforceable
All limitations and conditions which are enforceable by the Administrator of the U.S. 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) including limitations and conditions contained in operating permits issued under a U.S. EPA approved program that has been incorporated into the California SIP.

NESHAP
National Emission Standards for Hazardous Air Pollutants (see 40 CFR Parts 61 and 63).

NOx
Nitrogen oxides.

VII. ACRONYMS, ABBREVIATIONS AND UNITS OF MEASURE

NSPS
New Source Performance Standards. U.S. EPA standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the federal Clean Air Act and implemented by 40 CFR Part 60 and SMAQMD Regulation 8.

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and SMAQMD Rule 202. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
Oxygen.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of ROC, NOx, SO2 and PM10.

PM
Particulate matter.

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns.

PM2.5
Particulate matter with aerodynamic equivalent diameter of less than or equal to 2.5 microns.

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

ROC
Reactive organic compounds.

SIP
State Implementation Plan. CARB and SMAQMD programs and regulations approved by U.S. EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the federal Clean Air Act.

SMAQMD
Sacramento Metropolitan Air Quality Management District.

SO2
Sulfur dioxide.

VII. ACRONYMS, ABBREVIATIONS AND UNITS OF MEASURE

Title V
Title V of the federal Clean Air Act. Title V requires the SMAQMD to operate a federally enforceable operating permit program for major stationary sources and other specified sources.

TSP
Total suspended particulate.

U.S. EPA
The federal Environmental Protection Agency.

VOC
Volatile Organic Compounds.

UNITS OF MEASURE:

BTU	=	British Thermal Unit
cfm	=	cubic feet per minute
cm	=	centimeter
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inch
kg	=	kilogram
max	=	maximum
m2	=	square meter
min	=	minute
mm	=	millimeter
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
quarter	=	calendar quarter
RVP	=	Reid vapor pressure
scfm	=	standard cubic feet per minute
yr	=	year