

Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

**Tosco Refining Company, Contra Costa Carbon Plant
Facility #A0022**

Facility Address:

2101 Franklin Canyon Road
Rodeo, CA 94572

Mailing Address:

2101 Franklin Canyon Road
Rodeo, CA 94572

Responsible Official

Willie C. W. Chiang, General Manager
(510) 799-4463

Facility Contact

Michael J. Sailer
(510) 799-4463

Type of Facility: Petroleum Coke Calcining Operation

Primary SIC: 2999

Product: Calcined Petroleum Coke, Electricity

BAAQMD Permit Division Contact:

Donald Van Buren, PE

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Ellen Garvey

Ellen Garvey, Air Pollution Control Officer

July 31, 2002

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 5/2/01);
- SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 8/27/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
- SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 2/25/99);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
- SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 2/25/99);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 2/25/99); and
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

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

1. This Major Facility Review Permit was issued on July 31, 2002 and expires on June 30, 2007. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than December 31, 2006, and no earlier than June 30, 2006. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after June 30, 2007.** (Regulation 2-6-307, 404.2, & 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)
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)

I. Standard Conditions

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, or 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. (MOP Volume II, Part 3, §4.11)

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)

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

I. Standard Conditions

- 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, Regulation 3; 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 first reporting period for this permit shall be [date of issuance] to December 31, 2002. The report shall be submitted by January 31, 2003. Subsequent reports shall be for the following periods: January 1st through June 30th and July 1st through December 31st, and are 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, Regulation 3; 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 to 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 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

I. Standard Conditions

(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. (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	K-1 Coke Calcine Kiln/Cooler, Natural gas fired, 62 MMBTU/HR	Traylor kiln with Procedair Industries burner	none	30 tons per hour and 262,800 tons per year of calcined petroleum coke; 620 therms per hour and 5.25 million therms per year of natural gas
S-2	K-2 Coke Calcine Kiln/Cooler, Natural gas fired, 62 MMBTU/HR	Traylor kiln with Procedair Industries burner	none	30 tons per hour and 262,800 tons per year of calcined petroleum coke; 620 therms per hour and 5.00 million therms per year of natural gas
S-5	Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors	Hunter-Wagner, Hallanger, Butler Design	none	2,250 tons storage capacity and 60 tons per hour and 525,600 tons per year of calcined petroleum coke throughput
S-6	Railcar and Truck Coke Loading Spout with Reclaim Hopper, Reclaim Conveyor, and Loading Conveyor	Collier Carbon design	none	250 tons per hour, 20 minutes per batch and 525,600 tons per year throughput
S-7	Stockpile fugitive emissions; Including All Transfer, Traffic, and Wind Erosion at Green and Calcined Stockpiles	none	none	705,000 tons per year throughput
S-16	Rotary Cooler K1, Including Wet Coke Reclaim	unknown	unknown	30 tons per hour and 262,800 tons per year throughput
S-17	Rotary Cooler K2; Including Wet Coke Reclaim	unknown	unknown	30 tons per hour and 262,800 tons per year throughput

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-22	Product Building Crossover Conveyor	unknown	unknown	50 tons per hour and 438,000 tons per year throughput
S-23	Portable Conveyor	Barber Green	374	150 tons per hour and 525,600 tons per year throughput
S-24	Non Retail Gasoline Dispensing Facility, One Nozzle (GDF #6050)	unknown	none	60,000 gallons per year throughput
S-26	K-1 Product Screw Conveyor	Goodman Screw Conveyor	unknown	30 tons per hour and 262,800 tons per year throughput
S-27	K-2 Product Screw Conveyor	Goodman Screw Conveyor	unknown	30 tons per hour and 262,800 tons per year throughput
S-30	Portable Conveyor	Hewitt-Robbins	58/116, Type CJAC	100 tons per hour and 525,600 tons per year throughput
S-31	Portable Conveyor	Lippman Rex	B4300-30	200 tons per hour and 525,600 tons per year throughput
S-32	Internal Combustion Engine	Detroit Diesel	3-71	87 hp
S-33	Internal Combustion Engine	Detroit Diesel	3-71	87 hp
S-41	K-1 Sodium Carbonate Storage Silo	Vogel	822-70E	40 tons storage capacity and 2,628 tons per year of sorbent throughput
S-42	K-2 Sodium Carbonate Storage Silo	Vogel	822-70E	40 tons storage capacity and 2,628 tons per year of sorbent throughput

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-1	K-1 Pyroscrubber, Detrick 70' by 22' by 35' Refractory Pyroscrubber with flat bottom, Natural gas fired (30 MMBTU/HR)	S-1, S-16, S-26 (S-16 and S-26 are first abated by A-12)	BAAQMD 6-301	None to be directly monitored (A-1 is abated by A-10 and pressure drop across A-10 to be determined)	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	None to be directly monitored (A-1 is abated by A-10 and pressure drop across A-10 to be determined)	limit fallout of visible particles to on-site
			BAAQMD 6-310	None to be directly monitored (A-1 is abated by A-10 and pressure drop across A-10 to be determined)	343 mg per sdcm in exhaust
			BAAQMD 6-310.3	None to be directly monitored (A-1 is abated by A-10 and pressure drop across A-10 to be determined)	343 mg per sdcm in exhaust @ 6% oxygen
			BAAQMD 6-311	None to be directly monitored (A-1 is abated by A-10 and pressure drop across A-10 to be determined)	hourly PM limit based on throughput
A-2	K-2 Pyroscrubber, Detrick 70' by 22' by 35' Refractory Pyroscrubber with flat bottom, Natural gas fired (30 MMBTU/HR)	S-2, S-17, S-27 (S-17 and S-27 are first abated by A-13)	BAAQMD 6-301	None to be directly monitored (A-2 is abated by A-11 and pressure drop across A-11 to be determined)	Ringelmann 1.0 for < 3 minutes/hr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-2	K-2 Pyroscrubber, Detrick 70' by 22' by 35' Refractory Pyroscrubber with flat bottom, Natural gas fired (30 MMBTU/HR)	S-2, S-17, S-27 (S-17 and S-27 are first abated by A-13)	BAAQMD 6-305	None to be directly monitored (A-2 is abated by A-11 and pressure drop across A-11 to be determined)	limit fallout of visible particles to on-site
			BAAQMD 6-310	None to be directly monitored (A-2 is abated by A-11 and pressure drop across A-11 to be determined)	343 mg per sdcm in exhaust
			BAAQMD 6-310.3	None to be directly monitored (A-1 is abated by A-10 and pressure drop across A-10 to be Determined)	343 mg per sdcm in exhaust @ 6% oxygen
			BAAQMD 6-311	None to be directly monitored (A-2 is abated by A-11 and pressure drop across A-11 to be Determined)	hourly PM limit based on throughput
A-3	Car Loading Baghouse, Shaking	S-6	BAAQMD 6-301	Pressure drop to be determined	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	Pressure drop to be determined	limit fallout of visible particles to on-site
			BAAQMD 6-310	Pressure drop to be determined	343 mg per sdcm in exhaust
			BAAQMD 6-311	Pressure drop to be determined	hourly PM limit based on throughput

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-4	Calcine Process Baghouse, Pulse Jet	S-5, S-22	BAAQMD 6-301	Pressure drop to be determined	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	Pressure drop to be determined	limit fallout of visible particles to on-site
			BAAQMD 6-310	Pressure drop to be determined	343 mg per sdcm in exhaust
			BAAQMD 6-311	Pressure drop to be determined	hourly PM limit based on throughput
A-10	K-1 Baghouse, Pulse Jet	S-1, S-16, S-26 (S-1 is first abated by A-1 and then A-14, S-16 and S-26 are first abated by A-12 and then A-1)	BAAQMD 6-301	Pressure drop to be determined	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	Pressure drop to be determined	limit fallout of visible particles to on-site
			BAAQMD 6-310	Pressure drop to be determined	343 mg per sdcm in exhaust
			BAAQMD 6-310.3	Pressure drop to be determined	343 mg per sdcm in exhaust @ 6% oxygen
			BAAQMD 6-311	Pressure drop to be determined	Hourly PM limit based on throughput

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-11	K-2 Baghouse, Pulse Jet	S-2, S-17, S-27 (S-2 is first abated by A-2 and then A-15, S-17 and S-27 are first abated by A-13 and then A-2)	BAAQMD 6-301	Pressure drop to be determined	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	Pressure drop to be determined	limit fallout of visible particles to on-site
			BAAQMD 6-310	Pressure drop to be determined	343 mg per sdcm in exhaust
			BAAQMD 6-310.3	Pressure drop to be determined	343 mg per sdcm in exhaust @ 6% oxygen
			BAAQMD 6-311	Pressure drop to be determined	hourly PM limit based on throughput
A-12	K-1 Multicyclone	S-16, S-26	BAAQMD 6-301	None (A-12 abated by A-1)	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	None (A-12 abated by A-1)	limit fallout of visible particles to on-site
			BAAQMD 6-310	None (A-12 abated by A-1)	343 mg per sdcm in exhaust

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-12	K-1 Multicyclone		BAAQMD 6-310.3	None (A-12 abated by A-1)	343 mg per sdcm in exhaust @ 6% oxygen
			BAAQMD 6-311	None (A-12 abated by A-1)	hourly PM limit based on throughput
A-13	K-2 Multicyclone	S-17, S-27	BAAQMD 6-301	None (A-13 abated by A-2)	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	None (A-13 abated by A-2)	limit fallout of visible particles to on-site
			BAAQMD 6-310	None (A-13 abated by A-2)	343 mg per sdcm in exhaust
			BAAQMD 6-310.3	None (A-13 abated by A-2)	343 mg per sdcm in exhaust @ 6% oxygen
			BAAQMD 6-311	None (A-13 abated by A-2)	hourly PM limit based on throughput
A-14	K-1 Dry Sorbent Injection System	S-1 (S-1 is first abated by A-1)	None	None	None
A-15	K-2 Dry Sorbent Injection System	S-2 (S-2 is first abated by A-2)	None	None	None
A-41	K-1 Sodium Carbonate Storage Silo Baghouse	S-41	BAAQMD 6-301	Pressure drop to be determined	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	Pressure drop to be determined	limit fallout of visible particles to on-site

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-41	K-1 Sodium Carbonate Storage Silo Baghouse		BAAQMD 6-310	Pressure drop to be determined	343 mg per sdcm in exhaust
			BAAQMD 6-311	Pressure drop to be determined	hourly PM limit based on throughput
			Condition 17820, Part 1	Condition 17820, Part 9	0.02 gr/dscf of PM10
A-42	K-2 Sodium Carbonate Storage Silo Baghouse	S-42	BAAQMD 6-301	Pressure drop to be determined	Ringelmann 1.0 for < 3 minutes/hr
			BAAQMD 6-305	Pressure drop to be determined	limit fallout of visible particles to on-site
			BAAQMD 6-310	Pressure drop to be determined	343 mg per sdcm in exhaust
			BAAQMD 6-311	Pressure drop to be determined	hourly PM limit based on throughput
			Condition 17820, Part 1	Condition 17820, Part 9	0.02 gr/dscf of PM10

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 will 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.

The dates in parenthesis 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
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 included at the end of this permit.

NOTE:

There are differences between the current BAAQMD rule and the version of the rule in the SIP. All sources must comply with both versions of the rule until 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 (5/1/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	N
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 3	Organic Compounds – Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (9/16/98)	N
SIP Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (6/15/94)	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
BAAQMD Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
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
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

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 parenthesis 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
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 included at the end of this permit. All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S-1 K-1 Coke Calcine Kiln/Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/1/01)		
1-107	Combination of Emissions	Y	
1-510	Area Monitoring	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Continuous Emission Monitoring: Required by Regulation 10 et al	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
1-544	Monthly Summary	Y	
1-545	Monitor Maintenance and Calibration	Y	
1-602	Area and Continuous Emission Monitoring Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S-1 K-1 Coke Calcine Kiln/Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-603	Visible Emissions	Y	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-110	Conditional Exemption, Area Monitoring		
9-1-110.1	Monitoring, records and reporting requirements contained in Regulation 1, including Sections 1-510, 530, 540, 542, 543, and 544	Y	
9-1-110.2	Limitation on Ground Level Concentrations	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-310	Emission Limitations for Fluid Catalytic Cracking Units, Fluid Cokers, and Coke Calcining Kilns		
9-1-310.2	Emission Limitations for Coke Calcining Kilns	Y	
9-1-310.3	Compliance with 9-1-110.1 and 9-1-110.2	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-601	Sampling and Analysis of Gas Streams	Y	
9-1-603	Averaging Times	Y	
9-1-604	Ground Level Monitoring	Y	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
BAAQMD Condition #136		Y	

IV. Source Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S-1 K-1 Coke Calcine Kiln/Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Access Ports closed during testing. (basis: BAAQMD Regulation 1, Section 401)	Y	
Part 2	Sampling ports and access shall be provided (basis: BAAQMD Regulation 1, Section 501)	Y	
Part 3a	CEMs required (basis: BAAQMD Regulation 1, Sections 521 and 522)	Y	
Part 3b	Recordkeeping for natural gas usage (basis: BAAQMD Regulation 2-6-503)	Y	
Part 4	CEM standards (basis: BAAQMD Regulation 1, Section 522)	Y	
Part 5	Record keeping (basis: BAAQMD Regulation 1, Section 441)	Y	
Part 6	Baghouse maintenance requirement (basis: BAAQMD Regulation 6-301)	N	
Part 7	Operating requirement (basis: BAAQMD Regulation 6, Sections 301, 310 and 311)	Y	
Part 8	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 9	Pressure drop limits (basis: BAAQMD Regulations 2-6-409.2 and 2-6-501)	Y	
Part 10a	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301 and 2-6-501)	Y	
Part 10b	Annual source test requirement (basis: BAAQMD Regulation 2-6-501)	Y	
Part 11	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 12a	Limits on natural gas usage and calcined coke produced (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 13	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 14	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	

IV. Source Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-2 K-2 Coke Calcine Kiln/Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-510	Area Monitoring	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Continuous Emission Monitoring: Required by Regulation 10 et al	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
1-544	Monthly Summary	Y	
1-545	Monitor Maintenance and Calibration	Y	
1-602	Area and Continuous Emission Monitoring Requirements	Y	
1-603	Visible Emissions	Y	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-110	Conditional Exemption, Area Monitoring		
9-1-110.1	Monitoring, records and reporting requirements contained in Regulation 1, including Sections 1-510, 530, 540, 542, 543, and 544	Y	
9-1-110.2	Limitation on Ground Level Concentrations	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-310	Emission Limitations for Fluid Catalytic Cracking Units, Fluid		

IV. Source Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-2 K-2 Coke Calcine Kiln/Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Cokers, and Coke Calcining Kilns		
9-1-310.2	Emission Limitations for Coke Calcining Kilns	Y	
9-1-310.3	Compliance with 9-1-110.1 and 9-1-110.2	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-601	Sampling and Analysis of Gas Streams	Y	
9-1-603	Averaging Times	Y	
9-1-604	Ground Level Monitoring	Y	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
BAAQMD Condition #136		Y	
Part 1	Access Ports closed during testing. (basis: BAAQMD Regulation 1, Section 401104)	Y	
Part 2	Sampling ports and access shall be provided (basis: BAAQMD Regulation 1, Section 501)	Y	
Part 3a	CEMs required (basis: BAAQMD Regulation 1, Sections 521 and 522)	Y	
Part 3b	Recordkeeping for natural gas usage (basis: BAAQMD Regulation 2-6-503)	Y	
Part 4	CEM standards (basis: BAAQMD Regulation 1, Sections 522)	Y	
Part 5	Record keeping (basis: BAAQMD Regulation 1, Section 441)	Y	
Part 6	Baghouse maintenance requirement (basis: BAAQMD Regulation 6-301)	N	
Part 7	Operating requirement (basis: BAAQMD Regulation 6, Sections 301, 310 and 311)	Y	
Part 8	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 9	Pressure drop Limits (basis: BAAQMD Regulations 2-6-409.2 and 2-6-501, cumulative increase)	Y	
Part 10a	Visible emissions monitoring requirement (basis: BAAQMD Regulations 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-2 K-2 Coke Calcine Kiln/Cooler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 10b	Annual source test requirement (basis: BAAQMD Regulation 2-6-501)	Y	
Part 11	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 12b	Limits on natural gas usage and calcined coke produced (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 13	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 14	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	
BAAQMD Condition #3752			
Part 1	Natural gas firing only (basis: cumulative increase)	Y	
Part 2	Annual fuel usage limitation (basis: cumulative increase)	Y	
Part 3	Record keeping (basis: BAAQMD Regulation 1, Section 441 and cumulative increase)	Y	

Table IV - C
Source-specific Applicable Requirements
S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors
S-22 Product Building Crossover Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws,
and Two Discharge Conveyors
S-22 Product Building Crossover Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #10438		Y	
Part 1	Operational requirements (basis: cumulative increase)	Y	
Part 2	Baghouse A-4 availability requirements (basis: cumulative increase)	Y	
Part 3	Maintenance record keeping (basis: BAAQMD Regulation 1, Section 441 and cumulative increase)	Y	
Part 4	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 5	Pressure drop Limits (basis: BAAQMD Regulations 2-6-409.2 and 2-6-501)	Y	
Part 6	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301 and 2-6-501)	Y	
Part 7	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 8	Calcined coke throughput limits (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 9	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 10	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	
BAAQMD Condition #10439		Y	
Part 1	Operational requirements (basis: cumulative increase)	Y	
Part 2	Baghouse A-4 availability requirements (basis: cumulative increase)	Y	
Part 3	Maintenance record keeping (basis: BAAQMD Regulation 1, Section 441 and cumulative increase)	Y	
Part 4	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 5	Pressure drop Limits (basis: BAAQMD Regulations 2-6-409.2 and 2-6-501)	Y	
Part 6	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301 and 2-6-501)	Y	
Part 7	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 8	Petroleum coke throughput limits (basis: BAAQMD Regulation 2-1-	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws,
and Two Discharge Conveyors
S-22 Product Building Crossover Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	234.3)		
Part 9	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 10	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	

Table IV - D
Source-specific Applicable Requirements
S-6 Railcar and Truck Coke Loading Spout with Reclaim Hopper, Reclaim Conveyor, and Loading Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17539			
Part 1	A-3 Baghouse maintenance requirement (basis: BAAQMD Regulation 6-301)	Y	
Part 2	Abatement requirement (basis: BAAQMD Regulation 6, Sections 301, 310 and 311)	Y	
Part 3	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 4	Pressure drop limits (basis: BAAQMD Regulation 2-6-409.2 and 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-6 Railcar and Truck Coke Loading Spout with Reclaim Hopper, Reclaim Conveyor, and Loading Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301 and 2-6-501)	Y	
Part 6	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 7	Petroleum coke throughput limits (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 8	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 9	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	

Table IV - E
Source-specific Applicable Requirements
S-7 Stockpile fugitive emissions; Including All Transfer, Traffic, and Wind Erosion at Green and Calcined Stockpiles
S-23, S-30, S-31, Portable Conveyors

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17540			
Part 1	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301, and 2-6-501)	Y	
Part 2	Petroleum coke throughput limits (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 3	Record keeping (basis: BAAQMD Regulation 1-441)	Y	

IV. Source Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-7 Stockpile fugitive emissions; Including All Transfer, Traffic, and Wind Erosion
at Green and Calcined Stockpiles
S-23, S-30, S-31, Portable Conveyors

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	

Table IV - F
Source-specific Applicable Requirements
S-16 Rotary Cooler K1, Including Wet Coke Reclaim, and
S-26 K-1 Product Screw Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #10438			
Part 1	Abatement requirement (Basis: Cumulative Increase)	Y	
Part 2	Abatement requirement with limited exemption: (Basis: Cumulative Increase)	Y	
Part 3	Record keeping (Basis: BAAQMD Regulation 1, Section 441, cumulative increase)	Y	
Part 4	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 5	Pressure drop limits (basis: BAAQMD Regulations 2-6-409.2 and 2-6-501)	Y	
Part 6	Visible emissions monitoring requirement (basis: BAAQMD	Y	

IV. Source Specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S-16 Rotary Cooler K1, Including Wet Coke Reclaim, and
S-26 K-1 Product Screw Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Regulations 6-301, and 2-6-501)		
Part 7	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 8	Petroleum coke throughput limits (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 9	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 10	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	

Table IV - G
Source-specific Applicable Requirements
S-17 Rotary Cooler K2, Including Wet Coke Reclaim, and
S-27 K-2 Product Screw Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #10439			
Part 1	Abatement requirement (Basis: Cumulative Increase)	Y	
Part 2	Abatement requirement with limited exemption: (Basis: Cumulative Increase)	Y	
Part 3	Record keeping (Basis: BAAQMD Regulation 1, Section 441, cumulative increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - G
Source-specific Applicable Requirements
S-17 Rotary Cooler K2, Including Wet Coke Reclaim, and
S-27 K-2 Product Screw Conveyor

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 5	Pressure drop limits (basis: BAAQMD Regulation 2-6-409.2 and 2-6-501)	Y	
Part 6	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301 and 2-6-501)	Y	
Part 7	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 8	Petroleum coke throughput limits (basis: BAAQMD Regulation 2-1-234.3)	Y	
Part 9	Record keeping (basis: BAAQMD Regulation 1-441)	Y	
Part 10	Make available hourly and daily records upon request (basis: BAAQMD Regulation 1-441)	Y	

Table IV - H
Source-specific Applicable Requirements
S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	Organic Compounds - Gasoline Dispensing Facilities (11/17/99)		
8-7-112.7	Phase II Exemption - Older Facilities with Low Annual Throughput	Y	
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	N	
8-7-301	Phase I Requirements	N	
8-7-301.1	Requirement for CARB Phase I System	N	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	N	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines	Y	
8-7-301.6	Leak-Free, Vapor-Tight	N	
8-7-301.7	Poppeted Drybreaks	N	

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-301.8	No Coaxial Phase I	N	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	N	
8-7-301.10	System Vapor Recovery Rate	N	
8-7-301.11	CARB-Certified Spill Box	N	
8-7-301.12	Drain Valve Permanently Plugged	N	
8-7-303	Topping Off	N	
8-7-304	Certification Requirements	N	
8-7-308	Operating Practices	N	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks	N	
8-7-401	Equipment Installation and Modification	N	
8-7-406	Testing Requirements, New and Modified Installations	N	
8-7-501	Burden of Proof	N	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	N	
SIP			
Regulation 8, Rule 7	Organic Compounds - Gasoline Dispensing Facilities (6/1/94)		
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.4	Pressure Vacuum Relief Valve Requirement	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines	Y	
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppeted Drybreaks	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-308	Operating Practices	Y	
8-7-312	Removal of Gasoline	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #701	Operate per CARB Executive Order G-70-52-AM (basis: BAAQMD Regulation 8-7-301)	Y	
BAAQMD Condition #8749			
Part 1	Annual throughput limitation (basis: BAAQMD Regulation 8, Rule 7, Section 112.7)	Y	
Part 2	Recordkeeping (basis: BAAQMD Regulations 1-441 and 8-7-503, Cumulative increase)	Y	
BAAQMD Condition #17571			
Part 1	Perform leak test annually (basis: BAAQMD Regulation 8, Rule 7, Section 301.6)	Y	
Part 2	Perform initial leak test (basis: BAAQMD Regulation 8, Rule 7, Section 301.6)	Y	
Part 3	Submit test results (basis: BAAQMD Regulation 1-441)	Y	

Table IV - I
Source-specific Applicable Requirements
S-32 Internal Combustion Engine, Detroit Diesel 3-71, 87 hp and
S-33 Internal Combustion Engine, Detroit Diesel 3-71, 87 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	

IV. Source Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S-32 Internal Combustion Engine, Detroit Diesel 3-71, 87 hp and
S-33 Internal Combustion Engine, Detroit Diesel 3-71, 87 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Condition #19758			
Part 1	Fuel oil certification and recordkeeping (basis: Regulation 2-6-409.2)	Y	

Table IV - J
Source-specific Applicable Requirements
S-41 K-1 Sodium Carbonate Storage Silo and
S-42 K-2 Sodium Carbonate Storage Silo

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition			

IV. Source Specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S-41 K-1 Sodium Carbonate Storage Silo and
S-42 K-2 Sodium Carbonate Storage Silo

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#17820			
Part 1	PM10 emission limit (Basis: Reasonably Available Control Technology)	Y	
Part 2	Source test options (Basis: BAAQMD Regulation 2, Rule 1, Section 403)	Y	
Part 3	Source test procedures (Basis: BAAQMD Regulation 2, Rule 1, Section 403)	Y	
Part 4	Filterable particulate emission limit (Basis: BAAQMD Regulation 2, Rule 1, Section 403)	Y	
Part 5	Optional PM10 emission calculation procedure (Basis: BAAQMD Regulation 2, Rule 1, Section 403)	Y	
Part 6	Baghouse maintenance requirement (basis: BAAQMD Regulation 6-301)	N	
Part 7	Abatement requirement (basis: BAAQMD Regulation 6, Sections 301, 310 and 311)	Y	
Part 8	Pressure drop monitoring (basis: BAAQMD Regulation 2-6-409.2)	Y	
Part 9	Pressure drop limits (basis: BAAQMD Regulation 2-6-409.2 and 2-6-501)	Y	
Part 10	Visible emissions monitoring requirement (basis: BAAQMD Regulations 6-301 and 2-6-501)	Y	
Part 11	Baghouse inspection (basis: BAAQMD Regulation 2-6-501)	Y	
Part 12	Sorbent throughput limits (basis: BAAQMD Regulation 2-1-234)	Y	
Part 13	Record keeping (basis: BAAQMD Regulation 1-441)	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall 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 #136

For: **S-1 K-1 Coke Calcine Kiln/Cooler**

S-2 K-2 Coke Calcine Kiln/Cooler

1. All pyroscrubber access ports shall be closed during source tests to determine compliance with District regulations and/or permit conditions. (Basis: Reg 1-401)
2. APCO approved sampling ports and access platforms shall be provided downstream of each baghouse. (Basis: Reg 1-501)
- 3a. The permit holder shall operate and maintain a continuous emission monitoring system to quantify:
 - a. the concentration of sulfur dioxide inside each kiln's exhaust stack, and
 - b. the flowrate of combustion products from each exhaust stack, and
 - c. the mass emission rate of sulfur dioxide from each exhaust stack into the atmosphere.(Basis: Reg 1-521 and 522)
- 3b. The permit holder shall use gas flow meters to record the flow of natural gas to the kilns and pyroscrubbers. (Basis: Regulation 2-6-503)
4. The continuous emission monitoring system shall meet the requirements of the Manual of Procedures, Volume V, Continuous Emission Monitoring Policy and Procedures (Basis: Reg 1-522)
5. In order to demonstrate compliance with the parts 3 and 4 of this condition, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record is made:
 - a. the concentration of sulfur dioxide inside each kiln's exhaust stack, as prescribed in part 3 of this condition.
 - b. the mass emission rate of sulfur dioxide from each exhaust stack into the atmosphere, as prescribed in part 3 of this condition.
 - c. Amount of natural gas burned on a monthly basis (therms/month).
 - d. Continuous emission monitoring measurements for sulfur dioxide.
 - e. Date, time, and duration of any startup, shutdown, or malfunction of any kiln, emission control equipment, or emission monitoring equipment.

Condition #136

VI. Permit Conditions

For: **S-1 K-1 Coke Calcine Kiln/Cooler**
S-2 K-2 Coke Calcine Kiln/Cooler

- f. Results of performance testing, evaluations, calibrations, checks, adjustments, and maintenance of any CEMs.
 - g. Hourly sulfur dioxide concentration and emission rate
 - h. Hourly flow rate of combustion products
(basis: Reg 1-441)
- *6. The permit holder shall keep the Baghouses, A-10 and A-11 in good operating condition. (basis: Regulation 6-301)
7. All particulate matter emissions from S-1 and S-2 shall be routed to the baghouses A-10 and A-11, respectively. (basis: Regulation 6-301, 6-310, 6-311)
8. Within 3 months of final issuance of the Major Facility Review permit, the permit holder shall install a District approved manometer or other District approved device which measures the pressure drop across each baghouse. Within 6 months of final issuance of the Major Facility Review permit, the permit holder shall determine the proper pressure drop range for each baghouse. These ranges shall be submitted to the Permits Division of the District for inclusion in the permit as an administrative permit amendment. (basis: Regulation 2-6-409.2)
9. After installation of the manometer or devices, the manometer or device shall be operational at all times that the above sources are operated. The pressure drop across the baghouses shall be recorded once a week to ascertain that the pressure drops are in the normal operating range, and the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-409.2 and 2-6-501)
10. a. Visible particulate emissions from S-1 and S-2 shall be monitored quarterly using the District method (Manual of Procedures, Volume I, Evaluation of Visible Emissions) and shall be retained on site for a minimum period of five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 6-301, Regulation 2-6-501)

Condition #136

For: **S-1 K-1 Coke Calcine Kiln/Cooler**

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S-2 K-2 Coke Calcine Kiln/Cooler

- b. The owner/operator of S1 and S2 shall conduct an annual District-approved source test at each furnace in order to demonstrate compliance with Regulation 6-310, 6-310.3 and 6-311. The results of these tests shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501)
11. Each baghouse shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
12. Natural gas usage and calcined petroleum coke produced shall not exceed the following in any consecutive 12-month period:
- a. For S-1:
Natural gas usage at the S-1 burner: 5.25 million therms
Natural gas usage at the A-1 burner: 2.6 million therms
Calcined petroleum coke produced: 262,800 tons
 - b. For S-2:
Natural gas usage at the S1 burner: 5.00 million therms
Natural gas usage at the A1 burner: 2.6 million therms
Calcined petroleum coke produced: 262,800 tons
(basis: Regulation 2-1-234.3)
13. The permit holder shall maintain the following records for each limit listed in part 12:
- a. Monthly natural gas usage per burner and per source
 - b. Monthly calcined petroleum coke produced per source
 - c. Total natural gas usage per burner and per source for the preceding 12 months
 - d. Total calcined petroleum coke produced per source for the preceding 12 months
(basis: Regulation 1-441)
14. The permit holder shall make available to the APCO, upon request, any records relating to hourly or daily fuel usage or coke throughput.
(basis: Regulation 1-441)

Condition #701

For: S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)

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All vapor recovery system components shall be operated in accordance with CARB Executive Order G-70-52-AM. (Basis: CARB Executive Order G-70-52-AM)

Condition #3752

For: S-2 K-2 Coke Calcine Kiln/Cooler

1. The burner installed at the calcined-coke discharge end of the inclined rotary kiln shall be fired on natural gas exclusively. (Basis: Cumulative Increase)
2. Total annual natural gas firing at S-2 shall not exceed 5 million therms (1 therm = 100,000 Btu). (Basis: Cumulative Increase)
3. In order to demonstrate compliance with the part 2 of this condition, the permit holder shall keep records of the fuel gas usage on at least an annual basis in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record is made:
(Basis: Reg 1-441, Cumulative Increase)

Condition #8749

For: S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)

1. Pursuant to Regulation 8-7-112.7, this facility is exempt from Phase II vapor recovery equipment because the tank was installed prior to July 1, 1983 and the annual throughput is less than 60,000 gallons. Throughput shall not exceed 60,000 gallons per year. (Basis: Reg 8-7-112.7)
2. In order to demonstrate compliance with the part 1 of this condition and with Regulation 8-7-503, the following records shall be maintained in a District approved log. These records shall be kept on site and make available for District inspection for a period of 5 years from the date on which a record is made:
 - a. Amount of gasoline received per delivery
 - b. Total amount of gasoline received per calendar year.
 - c. Total amount of gasoline dispensed per month.
 - d. Maintenance records detailing the nature and date of each maintenance activity(Basis: Reg 1-441, Reg 8-7-503, Cumulative Increase)

Condition #10438

For: S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws,

VI. Permit Conditions

and Two Discharge Conveyors, S-16 Rotary Cooler K1, Including Wet Coke Reclaim, S-22 Product Building Crossover Conveyor, and S-26 K-1 Product Screw Conveyor

1. The pyroscrubber A-1, and the K-1 cooler exhaust blower shall operate during all periods that product is transferred, by the screw conveyor S-26, from the rotary cooler S-16 to the product storage bins S-5. (Basis: Cumulative Increase)
2. Apart from the following exceptions, the baghouse A-4 shall operate during all periods that product is transferred, by the screw conveyor S-26, from the rotary cooler S-16 to the product storage bins S-5. A-4 may be disconnected for routine maintenance while S-26 is operating provided that:
 - The Permit Holder demonstrates that there is no idle plant time during which the maintenance could be effectively performed.
 - S-26 is abated by A-3.
(Basis: Cumulative Increase)
3. In order to demonstrate compliance with the parts 1 and 2 of this condition, the following records shall be maintained in a District approved log. These records shall be kept on site and make available for District inspection for a period of 5 years from the date on which a record is made:
 - a. Plant idle time
 - b. A maintenance record for A-3 and A-4 to include the duration and status of S-26 for each maintenance occurrence
(Basis: Reg 1-441, cumulative increase)
4. Within 3 months of final issuance of the Major Facility Review permit, the permit holder shall install a District-approved manometer or other District-approved device that measures the pressure drop across each baghouse. Within 6 months of final issuance of the Major Facility Review permit, the permit holder shall determine the proper pressure drop range for each baghouse. These ranges shall be submitted to the Permits Division of the District for inclusion in the permit as an administrative permit amendment. (basis: Regulation 2-6-409.2)

Condition #10438

For: S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors, S-16 Rotary Cooler K1, Including Wet Coke Reclaim, S-22 Product Building Crossover Conveyor, and S-26 K-1 Product Screw Conveyor

VI. Permit Conditions

5. After installation of the manometer or devices, the manometer or device shall be operational at all times that the above sources are operated. The pressure drop across the baghouses shall be recorded once a week to ascertain that the pressure drops are in the normal operating range, and the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-409.2 and 2-6-501)
6. Visible particulate emissions from S-5, S-16, S-22, and S-26 shall be monitored quarterly using the District method (Manual of Procedures, Volume I, Evaluation of Visible Emissions), and shall be retained on site for a minimum period of five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 6-301, Regulation 2-6-501)
7. The A-4 baghouse shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
8. Petroleum coke throughput shall not exceed the following in any consecutive 12-month period:
 - a. For S-5: 525,600 tons
 - b. For S-16: 262,800 tons
 - c. For S-22: 262,800 tons
 - d. For S-26: 262,800 tons(basis: Regulation 2-1-234.3)
9. The permit holder shall maintain the following records for each limit listed in part 8:
 - a. Monthly petroleum coke throughput per source
 - b. Total petroleum coke throughput per source for the preceding 12 months(basis: Regulation 1-441)

Condition #10438

For: S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors, S-16 Rotary Cooler K1, Including Wet Coke Reclaim, S-22 Product Building Crossover Conveyor, and S-26 K-1 Product Screw Conveyor

VI. Permit Conditions

10. The permit holder shall make available to the APCO, upon request, any records relating to hourly or daily coke throughput.
(basis: Regulation 1-441)

Condition #10439

For: S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors, S-17 Rotary Cooler K1, Including Wet Coke Reclaim, S-22 Product Building Crossover Conveyor, and S-27 K-2 Product Screw Conveyor

1. The pyroscrubber A-2, and the K-2 cooler exhaust blower shall operate during all periods that product is transferred, by the screw conveyor S-27, from the rotary cooler S-17 to the product storage bins S-5. (Basis: Cumulative Increase)
2. Apart from the following exceptions, the baghouse A-4 shall operate during all periods that product is transferred, by the screw conveyor S-27, from the rotary cooler S-17 to the product storage bins S-5. A-4 may be disconnected for routine maintenance while S-27 is operating provided that:
 - The Permit Holder demonstrates that there is no idle plant time during which the maintenance could be effectively performed.
 - S-27 is abated by A-3.
(Basis: Cumulative Increase)
3. In order to demonstrate compliance with the parts 1 and 2 of this condition, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record is made:
 - a. Plant idle time
 - b. A maintenance record for A-3 and A-4 to include the duration and status of S-27 for each maintenance occurrence
(Basis: Reg 1-441, cumulative increase)

Condition #10439

For: S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors, S-17 Rotary Cooler K1, Including Wet Coke Reclaim, S-22 Product Building Crossover Conveyor, and S-27 K-2 Product Screw Conveyor

4. Within 3 months of final issuance of the Major Facility Review permit, the permit

VI. Permit Conditions

holder shall install a District-approved manometer or other District-approved device that measures the pressure drop across each baghouse. Within 6 months of final issuance of the Major Facility Review permit, the permit holder shall determine the proper pressure drop range for each baghouse. These ranges shall be submitted to the Permits Division of the District for inclusion in the permit as an administrative permit amendment. (basis: Regulation 2-6-409.2)

5. After installation of the manometer or devices, the manometer or device shall be operational at all times that the above sources are operated. The pressure drop across the baghouses shall be recorded once a week to ascertain that the pressure drops are in the normal operating range, and the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-409.2 and 2-6-501)
6. Visible particulate emissions from S-5, S-17, S-22 and S-27 shall be monitored quarterly using the District method (Manual of Procedures, Volume I, Evaluation of Visible Emissions), and shall be retained on site for a minimum period of five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 6-301, Regulation 2-6-501)
7. The A-4 baghouse shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
8. Petroleum coke throughput shall not exceed the following in any consecutive 12-month period:
 - a. For S-5: 525,600 tons
 - b. For S-17: 262,800 tons
 - c. For S-22: 438,000 tons
 - d. For S-27: 262,800 tons(basis: Regulation 2-1-234.3)

Condition #10439

For: S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws, and Two Discharge Conveyors, S-17 Rotary Cooler K1, Including Wet Coke Reclaim, S-22 Product Building Crossover Conveyor, and S-27 K-2 Product Screw Conveyor

9. The permit holder shall maintain the following records for each limit listed in part 8:

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- a. Monthly petroleum coke throughput per source
 - b. Total petroleum coke throughput per source for the preceding 12 months
(basis: Regulation 1-441)
10. The permit holder shall make available to the APCO, upon request, any records relating to hourly or daily coke throughput.
(basis: Regulation 1-441)

Condition #17539

For: **S-6 Railcar and Truck Coke Loading Spout with Reclaim Hopper, Reclaim Conveyor, and Loading Conveyor**

- *1. The Permit Holder shall keep the A-3 Baghouse in good operating condition . (basis: Regulation 6-301)
2. Particulate matter emissions from S-6 shall be routed to the A-3 baghouse. (basis: Regulation 6-301, 6-310, 6-311)
3. Within 3 months of final issuance of the Major Facility Review permit, the permit holder shall install a District-approved manometer or other District-approved device that measures the pressure drop across each baghouse. Within 6 months of final issuance of the Major Facility Review permit, the permit holder shall determine the proper pressure drop range for each baghouse. These ranges shall be submitted to the Permits Division of the District for inclusion in the permit as an administrative permit amendment. (basis: Regulation 2-6-409.2)
4. After installation of the manometers or devices, the manometer or device shall be operational at all times that the above sources are operated. The pressure drop across the baghouses shall be recorded once a week to ascertain that the pressure drops are in the normal operating range, and the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-409.2, 2-6-501)

Condition #17539

For: **S-6 Railcar and Truck Coke Loading Spout with Reclaim Hopper, Reclaim Conveyor, and Loading Conveyor**

5. Visible particulate emissions from S-6 shall be monitored quarterly using the District method (Manual of Procedures, Volume I, Evaluation of Visible Emissions), and shall be retained on site for a minimum period of five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 6-301, Regulation

VI. Permit Conditions

2-6-501)

6. Each baghouse shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
7. Petroleum coke throughput shall not exceed 525,600 tons in any consecutive 12-month period. (basis: Regulation 2-1-234.3)
8. The permit holder shall maintain the following records for the limit listed in part 7:
 - a. Monthly petroleum coke throughput
 - b. Total petroleum coke throughput for the preceding 12 months
(basis: Regulation 1-441)
9. The permit holder shall make available to the APCO, upon request, any records relating to hourly or daily coke throughput.
(basis: Regulation 1-441)

Condition #17540

For: S-7 Stockpile fugitive emissions; Including All Transfer, Traffic, and Wind Erosion at Green and Calcined Stockpiles, S-23 Portable Conveyor, S-30 Portable Conveyor, and S-31 Portable Conveyor

1. Visible particulate emissions from S-7, S-23, S-30 and S-31 shall be monitored quarterly using the District method (Manual of Procedures, Volume I, Evaluation of Visible Emissions), and shall be retained on site for a minimum period of five years from the date of data entry and be made available to the District staff for inspection.
(basis: Regulation 6-301, Regulation 2-6-501)

Condition #17540

For: S-7 Stockpile fugitive emissions; Including All Transfer, Traffic, and Wind Erosion at Green and Calcined Stockpiles, S-23 Portable Conveyor, S-30 Portable Conveyor, and S-31 Portable Conveyor

2. Petroleum coke throughput shall not exceed the following in any consecutive 12-month period:
 - a. For S-7: 705,000 tons
 - b. For S-23: 525,600 tons

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- c. For S-30: 525,600 tons
 - d. For S-31: 525,600 tons
(basis: Regulation 2-1-234.3)
3. The permit holder shall maintain the following records for each limit listed in part 2:
 - a. Monthly petroleum coke throughput per source
 - b. Total petroleum coke throughput per source for the preceding 12 months
(basis: Regulation 1-441)
 4. The permit holder shall make available to the APCO, upon request, any records relating to hourly or daily coke throughput.
(basis: Regulation 1-441)

Condition #17571

For: **S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)**

1. The permit holder shall have a Static Pressure Performance Test (Leak Test) ST-38 successfully conducted at least once in each consecutive 12-month period. (Basis: Regulation 8-7-301.6)
2. The initial Static Pressure Performance Test (Leak Test) ST-38 shall be performed within 3 months of final issuance of the Major Facility Review permit. (Basis: Regulation 8-7-301.6)
3. Test results for each Static Pressure Performance Test (Leak Test) ST-38 shall be submitted to the Director of Compliance and Enforcement within 15 calendar days of the test. (Basis: Regulation 1-441)

Condition #17820

For: **S-41 K-1 Sodium Carbonate Storage Silo and S-42 K-2 Sodium Carbonate Storage Silo**

1. Emissions of PM10, as defined in Regulation 2, Rule 1, shall not exceed 0.02 grains per dry standard cubic foot. (basis: Reasonably Available Control Technology)
2. Should a source test be performed to demonstrate compliance with part 1 of this condition, the source testing options are listed below. The purpose of these conditions is to provide an option for a less costly TSP test to demonstrate compliance with a PM10 limit. If TSP exceeds the PM10 limit, however, additional PM10 testing is

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required. (basis: Regulation 2-1-403)

- a. Conduct PM10 and Total Suspended Particulate (TSP) source tests simultaneously to determine the source PM10 emissions and establish the PM10 mass fraction of TSP emissions.
- b. Conduct a TSP source test. If TSP source test results exceed the PM10 limit in part 1, conduct a PM10 source test per part 3b, or conduct the PM10 mass fraction testing specified in part 3c. The additional testing shall be performed within 45 days of the initial TSP test.
- c. Conduct a PM10 source test.

The test results shall be delivered to the District no later than 30 days from the date of sampling.

3. Particulate matter emissions will be determined by the following source test procedures. (basis: Regulation 2-1-403)
 - a. Emissions of TSP will be determined in accordance with California Air Resources Board (CARB) Method 5, USEPA Method 5, BAAQMD ST-15, or District-approved equivalent method.
 - b. Emissions of PM10 will be determined in accordance with CARB Method 501, USEPA Method 201/201A or District-approved equivalent.
 - c. Emissions of PM10 and establishment of the PM10 mass fraction of TSP will be determined by conducting a PM10 source test simultaneously with a TSP source test.

VI. Permit Conditions

Condition #17820

For: **S-41 K-1 Sodium Carbonate Storage Silo and S-42 K-2 Sodium Carbonate Storage Silo**

4. This part shall apply when the PM10 mass fraction of source TSP has not been determined. Otherwise, part 5 shall apply. Subsequent TSP source test results shall not exceed the PM10 limit in part 1 of these conditions. TSP source test results exceeding part 1 shall trigger establishing the PM10 mass fraction by the procedures prescribed in part 3c. (basis: Regulation 2-1-403)
5. Once the PM10 mass fraction of source TSP has been established, compliance with the PM10 emission limit of part 1 may be demonstrated by calculating PM10, based on results of subsequent TSP source tests. Calculated PM10 emissions shall not exceed the limit in part 1. The calculation equation is: (TSP, source test result, in grains per dry standard cubic feet) x (mass fraction of PM10 of source TSP, grains PM10/grains TSP). (basis: Regulation 2-1-403)
- *6. The Permit Holder shall keep the A-41 and A-42 Baghouses in good operating condition. (basis: Regulation 6-301)
7. Particulate matter emissions from S-41 and S-42 shall be routed to the A-41 baghouse and A-42 baghouse, respectively. (basis: Regulation 6-301, 6-310, 6-311)
8. The permit holder shall install a District-approved manometer or other District-approved device that measures the pressure drop across each baghouse. Within 6 months of issuance of the permit to operate, the permit holder shall determine the proper pressure drop range for each baghouse. These ranges shall be submitted to the Permits Division of the District for inclusion in the permit as an administrative permit amendment. (basis: Regulation 2-6-409.2)
9. After installation of the manometers or devices, the manometers or devices shall be operational at all times that the above sources are operated. The pressure drop across the baghouses shall be recorded once per sorbent delivery to ascertain that the pressure drops are in the normal operating range, and the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-409.2 and 2-6-501)

VI. Permit Conditions

Condition #17820

For: **S-41 K-1 Sodium Carbonate Storage Silo and S-42 K-2 Sodium Carbonate Storage Silo**

10. Visible particulate emissions from S-41 and S-42 shall each be monitored quarterly using the District method (Manual of Procedures, Volume I, Evaluation of Visible Emissions), and shall be retained on site for a minimum period of five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 6-301, Regulation 2-6-501)
11. Each baghouse shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
12. Sorbent throughput shall not exceed 2,628 tons per source in any consecutive 12-month period. (basis: Regulation 2-1-234)
13. The permit holder shall maintain the following records for the limit listed in part 12:
 - a. Monthly sorbent throughput
 - b. Total sorbent throughput for the preceding 12 months
(basis: Regulation 1-441)

Condition #19758

For: **S-32, S-33, Internal Combustion Engines**

1. The sulfur content of the fuel shall be certified by the fuel oil vendor. The owner/operator shall maintain records of the fuel sulfur content for at least 5 years and shall make the records available to District staff upon request. [Regulation 2-6-409.2]

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 column 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), weekly (W), 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.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 K-1 Coke Calcine Kiln/Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #136, part 10a	P/Q	Visible emission monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #136, part 10b	P/A	Source test
	BAAQMD 6-310.3	Y		0.15 gr/dscf @ 6% oxygen by volume	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 K-1 Coke Calcine Kiln/Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310.3	Y		0.15 gr/dscf @ 6% oxygen by volume	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-310.3	Y		0.15 gr/dscf @ 6% oxygen by volume	BAAQMD Cond. #136, part 10b	P/A	Source test
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #136, part 10b	P/A	Source test
SO2	BAAQMD Regulation 9-1-301	Y		ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours	BAAQMD Regulation 9-1-501	C	CEM
	9-1-310.2	Y		400 ppm by volume	BAAQMD Cond. #136, part 3	C	CEM
	9-1-310.2	Y		113 kg per hour	BAAQMD Cond. #136, part 3	C	CEM
Calcined coke through- put	BAAQMD Condition #136, part 12 a.	Y		171,000 tons/yr	BAAQMD Condition #136, part 13 d	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 K-1 Coke Calcine Kiln/Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel usage	BAAQMD Condition #136, part 12 a.	Y		5.25 million therms/yr for S-1 and 2.6 million therms/yr for A-1	BAAQMD Condition #136, part 13 c	P/D	Record keeping

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-2 K-2 Coke Calcine Kiln/Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #136, part 10a	P/Q	Visible emission monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #136, part 10b	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-2 K-2 Coke Calcine Kiln/Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310.3	Y		0.15 gr/dscf @ 6% oxygen by volume	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-310.3	Y		0.15 gr/dscf @ 6% oxygen by volume	BAAQMD Cond. #136, part 10b	P/A	Source test
	BAAQMD 6-310.3	Y		0.15 gr/dscf @ 6% oxygen by volume	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #136, part 8 and 9	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #136, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #136, part 10b	P/A	Source test
SO2	BAAQMD Regulation 9-1-301	Y		ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours	BAAQMD Regulation 9- 1-501	C	CEM
	9-1-310.2	Y		400 ppm by volume	BAAQMD Cond. #136, part 3	C	CEM
SO2	9-1-310.2	Y		113 kg per hour	BAAQMD Cond. #136, part 3	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-2 K-2 Coke Calcine Kiln/Cooler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Calcined coke through-put	BAAQMD Condition #136, part 12 b.	Y		182,500 tons/yr	BAAQMD Condition #136, part 13 d	P/D	Record keeping
Fuel usage	BAAQMD Condition #136, part 12 b.	Y		5.00 million therms/yr for S-1 and 2.6 million therms/yr for A-1	BAAQMD Condition #136, part 13 c	P/D	Record keeping
Fuel usage	BAAQMD Cond. #3752, part 1	Y		Natural gas firing only	BAAQMD Cond. #3752, part 3	P/A	Records
Fuel usage	BAAQMD Cond. #3752, part 2	Y		5.00 million therms/yr for S-1	BAAQMD Cond. #3752, part 3	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws,
and Two Discharge Conveyors
S-22 Product Building Crossover Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #10438, part 6	P/Q	Visible emission monitoring
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10438, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10438, part 7	P/A	Annual baghouse inspection
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #10439, part 6	P/Q	Visible emission monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10439, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10439, part 7	P/A	Annual baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10438, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10438, part 7	P/A	Annual baghouse inspection
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10439, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10439, part 7	P/A	Annual baghouse inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-5 Nine (9) Coke Storage Bins with two Product Elevators, Two B-9 Feed Screws,
and Two Discharge Conveyors
S-22 Product Building Crossover Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10438, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10438, part 7	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10439, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10439, part 7	P/A	Annual baghouse inspection
Petroleum coke through-put	BAAQMD Condition #10438, parts 8 a and 8 c.	Y		S-5: 525,600 tons/yr and S-22: 438,000 tons/yr	BAAQMD Condition #10438, part 9 b	P/D	Record keeping
Petroleum coke through-put	BAAQMD Condition #10439, parts 8 a and 8 c.	Y		S-5: 525,600 tons/yr and S-22: 438,000 tons/yr	BAAQMD Condition #10439, part 9 b	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-6 Railcar and Truck Coke Loading Spout with Reclaim Hopper, Reclaim
Conveyor, and Loading Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #17539, part 5	P/Q	Visible emission monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #17539, part 3 and 4	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #17539, part 6	P/A	Annual baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #17539, part 3 and 4	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #17539, part 6	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #17539, part 3 and 4	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #17539, part 6	P/A	Annual baghouse inspection
Petroleum coke throughput	BAAQMD Condition #17539, part 7	Y		525,600 tons/yr	BAAQMD Condition #17539, part 8 b	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S-7 Stockpile fugitive emissions; Including All Transfer, Traffic, and Wind Erosion
at Green and Calcined Stockpiles
S-23, S-30, S-31, Portable Conveyors

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #17540, part 1	P/Q	Visible emission monitoring
Petroleum coke through-put	BAAQMD Condition #17540, part 2	Y		S-7: 705,000 tons/yr, S-23: 525,600 tons/yr, S-30: 525,600 tons/yr, S-31: 525,600 tons/yr	BAAQMD Condition #17540, part 3	P/D	Record keeping

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S-16 Rotary Cooler K1, Including Wet Coke Reclaim, and
S-26 K-1 Product Screw Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #10438, part 6	P/Q	Visible emission monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10438, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10438, part 7	P/A	Annual baghouse inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S-16 Rotary Cooler K1, Including Wet Coke Reclaim, and
S-26 K-1 Product Screw Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10438, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10438, part 7	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10438, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10438, part 7	P/A	Annual baghouse inspection
Petroleum coke throughput	BAAQMD Condition #10438, parts 8 b and 8 d	Y		S-16: 262,800 tons/yr and S-26: 262,800 tons/yr	BAAQMD Condition #10438, part 9 b	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S-17 Rotary Cooler K2, Including Wet Coke Reclaim, and
S-27 K-2 Product Screw Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond #10439, part 6	P/Q	Visible emission monitoring
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10439, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Cond. #10439, part 7	P/A	Annual baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10439, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond. #10439, part 7	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10439, part 4 and 5	P/W	Pressure drop monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Cond. #10439, part 7	P/A	Annual baghouse inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S-17 Rotary Cooler K2, Including Wet Coke Reclaim, and
S-27 K-2 Product Screw Conveyor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Petroleum coke throughput	BAAQMD Condition #10439, parts 8 b and 8 d	Y		S-17: 262,800 tons/yr and S-27: 262,800 tons/yr	BAAQMD Condition #10439, part 9 b	P/D	Record keeping

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-24 Non Retail Gasoline Dispensing Facility (GDF #6050)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	8-7-301.2	Y		95% (wt) organic vapor recovery efficiency		N	
	8-7-301.6	Y		Limited leakage	BAAQMD Condition #17571, Part 1	P/A	Source Test
	BAAQMD Condition #701	Y		Operate per CARB Executive Order G-70-52-AM	CARB Executive Order G-70-52-AM	N	
	BAAQMD Condition #8749, Part 1	Y		60,000 gallons per year annual throughput	BAAQMD Condition #8749, Part 2	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-32 Internal Combustion Engine, Detroit Diesel 3-71, 87 hp and
S-33 Internal Combustion Engine, Detroit Diesel 3-71, 87 hp

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303	Y		Ringelmann 2.0 for < 3 minutes/hr		N	
FP	BAAQMD 6-310	Y		0.15 gr/dscf		N	
	BAAQMD 6-311	Y		4.10P ^{0.67} lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	
SO2	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight	BAAQMD Condition 19758, part 1	P/E	Fuel certification by vendor

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S-41 K-1 Sodium Carbonate Storage Silo and
S-42 K-2 Sodium Carbonate Storage Silo

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #17820, part 10	P/Q	Visible emission monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #17820, part 8 and 9	P/E	Pressure drop monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S-41 K-1 Sodium Carbonate Storage Silo and
S-42 K-2 Sodium Carbonate Storage Silo

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #17820, part 11	P/A	Annual baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17820, part 8 and 9	P/E	Pressure drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17820, part 11	P/A	Annual baghouse inspection
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17820, part 8 and 9	P/E	Pressure drop monitoring
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17820, part 11	P/A	Annual baghouse inspection

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, of this permit.

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-310.3	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-7-301.6	Limited Leakage	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility, Static Pressure Integrity, Aboveground Vaulted Tanks
BAAQMD 9-1-301	Limitations on Ground Level Concentrations	Manual of Procedures, Volume VI, Air Monitoring Procedures, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-1-310.2	Emission Limitations for Coke Calcining Kilns	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-20, Sulfur Dioxide, Sulfur Trioxide, Sulfuric Acid Mist
BAAQMD Condition #17820, Part 3	Determination of PM10 Emissions	CARB Method 501 including CP, Determination of Size Distribution of Particulate Matter from Stationary Sources; or CARB Method 501 including CP, Determination of Size Distribution of Particulate Matter from Stationary Sources, plus CARB Method 5 including CP, Determination of Particulate Matter Emissions from Stationary Sources; or EPA Method 201/201A, Determination of PM10 Emissions, plus EPA Method 202, Determination of Condensable Particulate Emissions from Stationary Sources

IX. PERMIT SHIELD

Not applicable

X. GLOSSARY

ACT

Federal Clean Air Act

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEM

Continuous emission monitor

CEQA

California Environmental Quality Act

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

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District

The Bay Area Air Quality Management District

dscf

Dry Standard Cubic Feet

EPA

The federal Environmental Protection Agency.

Excluded

X. Glossary

Not subject to any District Regulations.

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 (MACT), and Part 72 (Permits Regulation, Acid Rain), 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.

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 40 CFR Part 63.

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants 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.

NAAQS

National Ambient Air Quality Standards

NESHAPs

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

NMHC

Non-methane Hydrocarbons

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 40

X. Glossary

CFR Part 60 and District Regulation 10.

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 District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

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 POC, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from 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 or equal to 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.

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

Title V

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

X. Glossary

TRMP

Toxic Risk Management Plan

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

<http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1>