MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park AvenueVictorville,CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

RENEWAL

B011678

Renewal type Permit has no description information.

EXPIRES LAST DAY OF:JUNE 2025

OWNER OF OPERATOR (Co.#1)

CEMEX Construction Materials Pacific LLC
16888 North E Street
Victorville,CA92392

EQUIPMENT LOCATION (Fac.#5)

CEMEX - Black Mountain Quarry Plant
25220 Black Mountain Quarry Road
Apple Valley,CA92307

Description:
ALTERNATIVE FUELS - STORAGE HALL AND CONVEYANCE SYSTEM consisting of:150' by 100' storage hall to accommodate alternative fuels; pistachios, wood chips, tire fluff and future fuels. Trailers will off-load fuels into the storage hall, either into a bin or stockpiled on the floor. A moving bed in the cargo floor slowly pushes material towards a spindle, providing an even feed to the initial screw conveyors, position 003. Approximately 2 days storage can be accommodated within the structure. From the screw conveyor, material is cast into the first drag chain, position 004, which is fully enclosed and starts within the storage hall. The first drag chain conveys material up a transfer tower, where a magnetic separator, position 5, separates ferrous metals. Material is then conveyed up the Preheat tower by the second fully enclosed drag chain, position 006. A fuel hopper bin and screw conveyor base, position 007, located on the preheat tower allows a constant flow of alternative fuels. Fuel hopper is equipped with load cells, so that the input and output of the fuels can be adjusted as necessary. From the screw conveyor base, position 007, the fuel is conveyed to the weigh feeder, position 008, which operates by a weigh bridge and variable speed motor to accurately dose the fuel to a set point. The dosed fuel falls into a split screw position 009, splitting the flow of fuel to a rotary valve, position 12, and/or to a totally enclosed screw conveyor, position 010, that conveys material to a second rotary valve, position 011. Blowers, position 013 and 014, are utilized to provide the conveyance air for each rotary valve. Variable speed drives are utilized where appropriate so that material conveyance paths can be operated at the minimum speed required. Vented air from the weigh belt and fuel hopper is directed to the process stream. Outlet gasses are monitored by the continuous monitoring system located on the K3 baghouse stack. There are no baghouses required for this system as all conveyance is enclosed and there are no PM emissions associated with this system.

EQUIPMENT

Capacity	Equipment Description
36	RECEPCION SILO SH-3200.13100-H2000 SECON N1; Motor is an SIEMENS-F-180L, 36 hp, operating at 1800 RPM
36	RECEPCION SILO SH-3200.13100-H2000 SECON N2; Motor is an SIEMENS-F-180L, 36 hp, operating at 1800 RPM

Fee Schedule:1 (c) Rating:671bhp SIC:3241 SCC:30510198 Location/UTM(Km):476E/3826N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

Capacity	Equipment Description
90	SCREW CONVEYOR DOMENECH AL-500.5000 N1; Motor 1, Motor 2, Motor 3, Motor 4, and Motor 5; motors are SIEMENS-F-160M, 18 hp each, operating at 1800 RPM
24	DRAG CONVEYOR DOMENECH TLP-1500.18000-N1; Motor is an SIEMENS-F-160M, 24 hp, operating at 1800 RPM
5	MAGNETIC DRUM SEPARATOR DOMENECH SFP-415-N1; Motor is an SIEMENS-F-100L, 5 hp, operating at 1800 RPM
70	DRAG CONVEYOR DOMENECH TLP-1500.75000-N2; Motor 1, Motor 2, motors are SIEMENS-F-180L, 35 hp each, operating at 1800 RPM
90	SCREW CONVEYOR DOMENECH AL-500.5000 N2; Motor 1, Motor 2, Motor 3, Motor 4, and Motor 5; motors are SIEMENS-F-160M, 18 hp each, operating at 1800 RPM
14	WEIGHFEEDER DOMENECH AL-1800.7000; Motor 1 is a SIEMENS-F-132S, rated at 9 hp; Motor 2 is a SIEMENS-F-100L, rated at 5 hp; each operates at 1800 rpm
18	SCREW CONVEYOR DOMENECH TSU-630.4500-D N1; Motor 1, Motor 2, motors are SIEMENS-F-132S; 9 hp each, operating at 1800 RPM
24	SCREW CONVEYOR DOMENECH TSU-600; Motor is an SIEMENS-F-160M, 24 hp, operating at 1800 RPM
12	ROTARY VALVE DOMENECH ALV-800.800-NEUMAX N1; Motor is an SIEMENS-F-132M, 12 hp, operating at 1800 RPM
12	ROTARY VALVE DOMENECH ALV-800.800-NEUMAX N2; Motor is an SIEMENS-F-132M, 12 hp, operating at 1800 RPM
120	AIR BLOWER PG-303-F1-RNY34/30; Motor is an SIEMENS-F-280S, 120 hp, operating at 1800 RPM
120	AIR BLOWER PG-303-F1-RNY34/30; Motor is an SIEMENS-F-280S, 120 hp, operating at 1800 RPM

CONDITIONS:

1.Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. [Rule 204]

1.Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]

2.The owner/operator (o/o) shall maintain this equipment in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.[Rule 204]

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[District Rule 204]

3.All open material transfer points, such as conveyor drops, hopper and bin loading, shall be operated to minimize emissions of particulate matter.[Rule 204]

3.This equipment shall not be operated unless it is vented to the functioning air pollution control equipment covered by District valid permit Nos. C011945 and C011946.
[District Rule 204]

4.This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity from any discharge point (including each bin vent stack). [Rule 401]

4.All open material transfer points, such as conveyor drops, hopper and bin loading, shall be operated to minimize emissions of particulate matter.
[District Rule 204]

5.The owner/operator shall maintain a log of all material throughput amounts so as to verify the above condition. Additionally, a log shall be kept of all inspections, repairs, and maintenance on equipment. Such logs or records shall be maintained at the facility for two (2) years, and be provided to District, State and Federal personnel upon request.[Rule 204]

5.This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity from any discharge point (including each bin vent stack).
[District Rule 401]

6.This equipment shall not be operated unless it is vented to the functioning air pollution control equipment covered by District valid permit Nos. C011945 and C011946. [Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B)]

6.The owner/operator shall maintain a log of all material throughput amounts so as to verify the above condition. Additionally, a log shall be kept of all inspections, repairs, and maintenance on equipment. Such logs or records shall be maintained at the facility for two (2) years, and be provided to District, State and Federal personnel upon request.
[District Rule 204]

7.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; 40 CFR 51, Subpart A]