

*MOJAVE DESERT*  
*AIR QUALITY MANAGEMENT DISTRICT*

---

Federal Operating Permit Number: 11800001

For: MITSUBISHI CEMENT  
CORPORATION

Facility: CUSHENBURY PLANT

Issued Pursuant to MDAQMD Regulation XII  
Effective Date: March 25, 2009

●SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY●

This Federal Operating Permit Expires On:  
March 25, 2014

Issued By: Eldon Heaston  
Executive Director  
Air Pollution Control Officer

---

14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392  
PHONE (760) 245-1661  
FAX (760) 245-2022

## **PERMIT REVISIONS**

### **March 13, 2013: Minor Modification described as follows:**

Part III(A), added equipment (36A) and (36B) as follows:

36A. SLURRY LIME INJECTION SYSTEM; B011738

36B. DUST COLLECTOR FOR SLURRY LIME INJECTION STORAGE SILO; C011737:

*Changes made by S. Haggard*

### **August 24, 2012: Minor Modification described as follows:**

Page I-2, changed last sentence in process description from “Clinker will eventually be stored in a proposed Clinker storage dome.” to “Clinker is stored in permitted storage enclosures.” as the clinker storage is complete.

Page I-6, changed the permit status of permit E010971 from an ATC to PTO.

Part II(C)(10), added facility-wide compliance requirements for GHGs pursuant to District Rule 1211.

Part III(A)(36), updated B001025, CLINKER PYRO PROCESSING KILN, equipment description and the condition language on conditions 3, 5, 8, 9, and 10.

*Changes made by S. Haggard*

### **July 18, 2011: Administrative Permit Amendment described as follows:**

District Permit C011253 added to displace C001027 during the operation of the clinker to storage dome transfer/conveyor line associated with B002138. C001027 will remain at its current location and will continue to serve as a bin vent and during loading to clinker storage silo T002093.

C011253 will control clinker dust emissions during the transfer/conveying process. C011253 and C001027 are prohibited from concurrent operation. No net emission increase from this action.

Changes made to the following to reflect the permitting action which included updates of descriptions, conditions and adding C011253; Part III A-29, A-27, and added A-29a.

Part I and III (132, C-1) updated gas dispensing conditions for N007349.

Part I and III (138a) added emergency diesel generator E010971 as replacement for E007913.

Part I and III (134) permit E007913 no longer active.

*Changes made by C. Anderson*

**March 04, 2010: Administrative Permit Modification (changes by Richard Wales) described as follows:** Permit B010724 added to chip tires as a supplemental fuel source and increase the amount (percent) of tires used in permit B001025 from 22% to 70% of heat input but with no increase in emissions of health risk. The following ‘Permit Status’ were changes:

PTO to ATC – B001025

ATC to PTO – B001033, B002109, B003948, B009582, B009929, B010042, C009583, C009585, C009587, E010297 and T010019

PTO to INACT – E008201

Changes made were on pages Table of contents, I-3 through I-7, III- 58 and III-63.

**March 25, 2009: Renewal of Title V Permit; described as follows:**

*Update and renew Title V Permit after concurrent 30 day public notice and 45 day EPA review periods, Reissue date March 25, 2009*

**August 19, 2008: Administrative Permit Modification (changes by Sam Oktay) described as follows:** Permit the use of clean non-toxic wood as a supplemental fuel source.

**November 13, 2007: Administrative Permit Modification (changes by Sam Oktay) described as follows:**

Clinker Storage Dome System permit changes, item # 42, page III-63. Add Wood Chip material handling system, MDAQMD Permit # B010041 item # 40, page III-61.

**June 14, 2006, Major Permit Modification (changes by Sam Oktay) described as follows:**

Title V changes associated with modifications to Finish Mill #4, New Separator and Dust Collector, New Clinker Dome, and associated other Permit Modifications. Additionally, recent District Permitting of several previously existing portable diesel powered equipment is included in this revision.

Modified MDAQMD Permit Listing table, pages I-3 through I-7.

Modified Monitoring, Recordkeeping, Reporting and Testing Requirements, pages III-31 through III-178.

Modified Operational Flexibility Provisions, pages V-182 through V-183 to incorporate most current language.

Modified Appendices A & B to incorporate associated permit changes.

**September 29, 2004 Administrative Permit Modification (changes by Bill Weese) described as follows:**

Revise Title Page to reference page 2 for permit modification summaries.

Change Annual & Semi Annual Report due dates to coincide with Cement MACT report due dates of January 31 and July 30 of any given year. See Part II, Section B, condition; 4(e) and B, condition; 5 for location of wording changes.

## TABLE OF CONTENTS

	<u>Page</u>
Part I	Introductory Information . . . . . I-1 through I-7
Part II	Applicable Requirements and Emissions Limitations . . . . . II-9 through II-30
Part III	Monitoring, Recordkeeping, Reporting and Testing Requirements. . III-31 through III-170
Part IV	Standard Federal Operating Permit Conditions . . . . . IV-171 through IV-173
Part V	Operational Flexibility Provisions . . . . . V-174 through V-175
Part VI	Permit Shield . . . . . VI -176
Part VII	Conventions, Abbreviations, Definitions . . . . . VII-177 through VII-178

Appendix A, pages 1-7

Appendix B, pages 1-18

NOTE:

Please see Tables A-1 and A-2 in Appendix A for a list of unit categories and a list of applicable requirements by unit category.

Please see Appendix B for NSPS and NESHAP requirements and please see Table A-1 in Appendix A for which units each set of requirements applies to.

## PART I INTRODUCTORY INFORMATION

### FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: MITSUBISHI CEMENT CORPORATION

Owner Mailing Address: MITSUBISHI CEMENT CORPORATION  
5808 Highway 18, Lucerne Valley, CA 92356

Facility Names: CUSHENBURY PLANT

Facility Location: 5808 State Highway 18, Lucerne Valley, CA 92356

Mailing Address: MITSUBISHI CEMENT CORPORATION  
5808 State Highway 18  
Lucerne Valley, CA 92356

MDAQMD Federal Operating Permit Number: 11800001

MDAQMD Company Number: 1180

MDAQMD Facility Number: 0001

Responsible Official: Mr. James Russell  
Title: Plant Manager,  
Mitsubishi Cement Corporation

Phone Number: 760-248-7373

Facility “Site” Contacts: Mr. David M. Rib  
Environmental Manager  
Phone Number: 760-248-7373 (extension 184)

Facility “Off Site” Contacts: none  
Phone Number:

Nature of Business: Cement Manufacturing Facility  
SIC Code: 3241 Cement Manufacturing  
Facility Location: UTM (Km) 489E / 3863N

**DESCRIPTION OF FACILITY & PROCESSES:**

Mitsubishi Cement's Lucerne Valley plant is a Portland Cement manufacturing facility with a preheater Precalciner kiln. The hourly throughput is approximately 325-tons/hour feed. The preheater has four stages, and the Precalciner consumes about 60% of the total fuel used in the kiln. The kiln currently fires coal and tires, with Biosolids (dewatered sewage sludge) on an occasional basis, and natural gas as a back-up fuel. The raw mill is in-line with the kiln. This is an existing kiln, and there is no raw material dryer at this facility. The kiln does not waste cement kiln dust (CKD) at this time. Currently the kiln has the following raw material sources: Cushenbury mine for limestone and silica, the Silver Lake mine in Baker, CA, for iron from magnetite, and mines in Australia and Malaysia for alumina and bauxite. Other raw material sources are used as economics change. Clinker is stored in permitted storage enclosures.

**PROCESS: 1 – CRUSHING & SCREENING FOR PREHEATER PLANT**

**PROCESS: 1A – CLAY STORAGE**

**PROCESS: 2 – RAW GRINDING**

**PROCESS: 3 – BURNING & COOLING – RAW BLENDING**

**PROCESS: 3A – CLINKER HANDLING & STORAGE**

**PROCESS: 4 – GYPSUM & ADMIX FOR FINISH MILLS #1 & #3**

**PROCESS: 5 – FINISH MILLS #1, #2, #3 & #4**

**PROCESS: 5A – ROLLER PRESS SYSTEM FOR CLINKER**

**PROCESS: 6 – CEMENT PACKING & SILO – UNITS #1, #2 & #3**

**PROCESS: 7 – CEMENT SILOS & BULK LOADING**

**PROCESS: 8 – COAL HANDLING & STORAGE**

**PROCESS: 9 – MISCELLANEOUS EQUIPMENT**

**PROCESS: 10 – SAND PLANT**

**MDAQMD PERMIT LISTING; SEE FOLLOWING TABLE:**

Permit #	Application #	Permit Status	Permit Type	Permit Description
B000975	00000421	PTO	Basic	GYP SUM UNLOADING TO STORAGE
B000983	00000402	PTO	Basic	CLINKER TRANSFER AND INSIDE STORAGE
B000989	00000419	PTO	Basic	SOUTH CEMENT LOADOUT – TRUCK
B000991	00000418	PTO	Basic	SOUTH CEMENT LOADOUT – RAIL
B000993	00000422	PTO	Basic	UNIT NO. 1 - CEMENT PACKING
B001007	00000396	PTO	Basic	RAILROAD CAR COAL UNLOAD AND STORAGE
B001009	00000398	PTO	Basic	PRIMARY AND SECONDARY CRUSHING SYSTEM
B001010	00000395	PTO	Basic	CLAY DELIVERY, CRUSHING AND STORAGE SYSTEM
B001011	00000397	PTO	Basic	CRUSHING, STOCKPILING, AND PRE-BLENDING SYSTEM
B001012	00000423	PTO	Basic	RAW ADDITIVE DELIVERY TO STORAGE
B001019	00000443	PTO	Basic	RAW GRINDING AND BLENDING
B001025	00009142	ATC	Basic	CLINKER PYRO PROCESSING KILN
B001032	00000424	PTO	Basic	CLINKER TRANSFER TO STORAGE
B001033	00009328	PTO	Basic	MILL NO. 4 - FINISH (5-FM-4) SYSTEM
B001034	00000403	PTO	Basic	MILL NO. 1 - FINISH (5-FM-1) SYSTEM
B001035	00000405	PTO	Basic	MILL NO. 3 - FINISH (5-FM-3) SYSTEM
B001036	00008460	PTO	Basic	FINISH MILL NO. 2 SYSTEM (5-FM-2)
B001039	00000399	PTO	Basic	COAL RECLAIM SYSTEM
B001857	00000444	PTO	Basic	BLENDING OPERATION FOR KILN FEED
B001858	00000426	PTO	Basic	GYP SUM SILO TO BIN STORAGE
B001859	00000412	PTO	Basic	GYP SUM UNLOADING
B001864	00000428	PTO	Basic	NORTH CEMENT LOADOUT - TRUCK
B001865	00000429	PTO	Basic	CEMENT LOADOUT TRANSFER
B001866	00000430	PTO	Basic	UNIT NO. 2 - CEMENT PACKING
B001868	00000400	PTO	Basic	MILL NO. 4 - COAL GRINDING (7-CM-4)
B001871	00000431	PTO	Basic	CEMENT TRUCK LOADOUT NO. 1 - STATION
B001872	00000432	PTO	Basic	CEMENT TRUCK LOADOUT NO. 2 - STATION
B001979	00000433	PTO	Basic	CLAY DOME RECLAIM SYSTEM
B001983	00000434	PTO	Basic	FLY ASH SILO TRANSFER
B001984	00000413	PTO	Basic	KILN BYPASS SYSTEM - ALKALI DUST
B001985	00000435	PTO	Basic	UNIT NO. 3 - CEMENT PACKING
B001986	00000436	PTO	Basic	AUXILIARY COAL TRANSPORT TO KILN
B002087	00000414	INACT	Basic	UNLOAD GYP SUM OR ADMX
B002089	00000437	PTO	Basic	CEMENT UNLOAD EQUIPMENT
B002109	00008456	PTO	Basic	CEMENT TRUCK LOADOUT BLOCK STATION
B002137	00000415	PTO	Basic	CLINKER COOLING & TRANSFER
B002138	00000416	PTO	Basic	CLINKER COOLING EXHAUST DUST RECLAIM SYSTEM TRANSFER
B002405	00008464	PTO	Basic	FINISH MILL NO. 4 ROLLER PRESS SYSTEM

MDAQMD Federal Operating Permit  
 MITSUBISHI CEMENT CORPORATION – Cushenbury Plant  
 Permit Number: 11800001

Permit #	Application #	Permit Status	Permit Type	Permit Description
B002784	00000401	PTO	Basic	MILL NO. 3 - COAL GRINDING (7-CM-3)
B003512	00000391	PTO	Basic	DIESEL IC ENGINE, COMPRESSOR - PORTABLE
B003513	00000392	PTO	Basic	DIESEL IC ENGINE, COMPRESSOR - PORTABLE
B003515	00000393	INACT	Basic	DRILL - MOBILE ROCK
B003948	00008467	PTO	Basic	SAND PLANT
B004642	00000441	INACT	Basic	DIESEL ENGINE
B004694	00000442	PTO	Basic	BIO-SOLIDS HANDLING SYSTEM
B009462	00008280	PTO	Basic	PORTABLE DIESEL IC ENGINE, WELDER 725-051
B009463	00008283	PTO	Basic	PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-030
B009464	00008277	PTO	Basic	PORTABLE DIESEL IC ENGINE, WELDER 725-046
B009465	00008278	PTO	Basic	PORTABLE DIESEL IC ENGINE, WELDER 725-047
B009466	00008279	PTO	Basic	PORTABLE DIESEL IC ENGINE, WELDER 725-049
B009467	00008281	PTO	Basic	PORTABLE DIESEL IC ENGINE, GENERATOR 733-001
B009469	00008282	PTO	Basic	PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-029
B009470	00008284	PTO	Basic	PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-031
B009472	00008285	PTO	Basic	PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-032
B009582	00008448	PTO	Basic	CLINKER STORAGE DOME
B009929	00009111	PTO	Basic	PORTABLE DIESEL IC ENGINE, WELDER
B010041	00009143	ATC	Basic	WOOD CHIP SYSTEM
B010042	00009281	PTO	Basic	BAUXITE UNLOADING HOPPER
B010724	00010829	ATC	Basic	TIRE CHIPPING SYSTEM
C000961	00000447	PTO	Air Pollution Control Device	BAGHOUSE
C000963	00000448	INACT	Air Pollution Control Device	BAGHOUSE
C000965	00000449	PTO	Air Pollution Control Device	BAGHOUSE
C000972	00000450	PTO	Air Pollution Control Device	BAGHOUSE
C000976	00000452	PTO	Air Pollution Control Device	BAGHOUSE
C000984	00000453	PTO	Air Pollution Control Device	BAGHOUSE
C000988	00000454	PTO	Air Pollution Control Device	BAGHOUSE
C000990	00000455	PTO	Air Pollution Control Device	BAGHOUSE
C000995	00000456	PTO	Air Pollution Control Device	BAGHOUSE
C000996	00000457	PTO	Air Pollution Control Device	BAGHOUSE
C000998	00000451	PTO	Air Pollution Control Device	BAGHOUSE
C000999	00000458	PTO	Air Pollution Control Device	BAGHOUSE
C001000	00008461	PTO	Air Pollution Control Device	BAGHOUSE FOR FM 2 FINISH MILL (5-DC-6,7)
C001001	00000460	PTO	Air Pollution Control Device	BAGHOUSE
C001002	00000461	PTO	Air Pollution Control Device	BAGHOUSE
C001003	00000462	PTO	Air Pollution Control Device	BAGHOUSE
C001004	00000463	INACT	Air Pollution Control Device	BAGHOUSE
C001005	00000464	PTO	Air Pollution Control Device	BAGHOUSE 7-DC-1
C001006	00000465	PTO	Air Pollution Control Device	BAGHOUSE

MDAQMD Federal Operating Permit  
 MITSUBISHI CEMENT CORPORATION – Cushenbury Plant  
 Permit Number: 11800001

Permit #	Application #	Permit Status	Permit Type	Permit Description
C001013	00000466	PTO	Air Pollution Control Device	BAGHOUSE
C001014	00000467	PTO	Air Pollution Control Device	BAGHOUSE
C001015	00000468	PTO	Air Pollution Control Device	BAGHOUSE
C001016	00000470	PTO	Air Pollution Control Device	BAGHOUSE
C001017	00000471	PTO	Air Pollution Control Device	BAGHOUSE
C001018	00000472	PTO	Air Pollution Control Device	BAGHOUSE
C001020	00000473	PTO	Air Pollution Control Device	BAGHOUSE
C001021	00000474	PTO	Air Pollution Control Device	BAGHOUSE 3-DC-5
C001023	00000475	PTO	Air Pollution Control Device	BAGHOUSE
C001024	00000476	PTO	Air Pollution Control Device	BAGHOUSE
C001026	00000477	PTO	Air Pollution Control Device	BAGHOUSE
C001027	00000478	PTO	Air Pollution Control Device	BAGHOUSE
C001028	00004600	PTO	Air Pollution Control Device	BAGHOUSES
C001029	00000480	PTO	Air Pollution Control Device	BAGHOUSE
C001037	00008465	PTO	Air Pollution Control Device	BAGHOUSE FOR FINISH MILL NO. 4 (5-DC-2)
C001041	00000482	PTO	Air Pollution Control Device	BAGHOUSE
C001042	00000483	PTO	Air Pollution Control Device	BAGHOUSE
C001044	00000484	INACT	Air Pollution Control Device	BAGHOUSE
C001333	00000485	PTO	Air Pollution Control Device	BAGHOUSE
C001334	00000486	PTO	Air Pollution Control Device	BAGHOUSE
C001335	00000487	PTO	Air Pollution Control Device	BAGHOUSE
C001336	00000488	PTO	Air Pollution Control Device	BAGHOUSE
C001337	00000489	PTO	Air Pollution Control Device	BAGHOUSE
C001338	00000490	PTO	Air Pollution Control Device	BAGHOUSE
C001339	00000491	PTO	Air Pollution Control Device	BAGHOUSE
C001340	00000492	PTO	Air Pollution Control Device	BAGHOUSE
C001341	00000493	INACT	Air Pollution Control Device	BAGHOUSE
C001342	00000498	PTO	Air Pollution Control Device	BAGHOUSE
C001343	00000499	PTO	Air Pollution Control Device	BAGHOUSE
C001462	00000500	PTO	Air Pollution Control Device	BAGHOUSE
C001463	00000501	PTO	Air Pollution Control Device	BAGHOUSE
C001464	00000502	PTO	Air Pollution Control Device	BAGHOUSE
C001465	00000503	PTO	Air Pollution Control Device	BAGHOUSE
C001466	00000504	PTO	Air Pollution Control Device	BAGHOUSE
C001467	00000505	PTO	Air Pollution Control Device	BAGHOUSE 6-DC-23
C001469	00000506	PTO	Air Pollution Control Device	BAGHOUSE
C001471	00000507	PTO	Air Pollution Control Device	BAGHOUSE
C001473	00000508	INACT	Air Pollution Control Device	BAGHOUSE
C001808	00000509	PTO	Air Pollution Control Device	BAGHOUSE
C001809	00000510	PTO	Air Pollution Control Device	BAGHOUSE
C001870	00000511	PTO	Air Pollution Control Device	BAGHOUSE
C002101	00000512	INACT	Air Pollution Control Device	BAGHOUSE
C002111	00008457	PTO	Air Pollution Control Device	BAGHOUSE (6-DC-24)

MDAQMD Federal Operating Permit  
 MITSUBISHI CEMENT CORPORATION – Cushenbury Plant  
 Permit Number: 11800001

Permit #	Application #	Permit Status	Permit Type	Permit Description
C002229	00000514	PTO	Air Pollution Control Device	BAGHOUSE
C002406	00008466	PTO	Air Pollution Control Device	BAGHOUSE FOR FM 4 ROLL PRESS (5-DC-41)
C002782	00000516	PTO	Air Pollution Control Device	BAGHOUSE
C002783	00000517	INACT	Air Pollution Control Device	BAGHOUSE
C002785	00000518	PTO	Air Pollution Control Device	BAGHOUSE
C003209	00008459	PTO	Air Pollution Control Device	BAGHOUSE FOR GYPSUM UNLOADING (5-DC-23)
C003236	00008479	PTO	Air Pollution Control Device	BAGHOUSE FOR TYPE III LOADOUT (6-DC-26)
C003949	00008469	PTO	Air Pollution Control Device	BAGHOUSE FOR SAND PLANT (1-DC-1)
C003991	00000524	INACT	Air Pollution Control Device	BAGHOUSE
C003992	00000525	INACT	Air Pollution Control Device	BAGHOUSE
C004289	00008470	PTO	Air Pollution Control Device	BAGHOUSE FOR SAND PLANT (1-DC-2)
C004290	00008471	PTO	Air Pollution Control Device	BAGHOUSE FOR SAND PLANT (1-DC-3)
C005164	00008462	PTO	Air Pollution Control Device	OSEPA BAGHOUSE FOR FINISH MILL NO. 2 (5-DC-24)
C008145	00008473	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-4)
C008146	00008472	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-5)
C008147	00008474	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-6)
C008148	00008475	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-7)
C008149	00008476	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-8)
C008150	00008477	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-9)
C008151	00008480	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-10)
C008483	00006507	INACT	Air Pollution Control Device	DUST COLLECTOR 4-DC-48
C009579	00007572	PTO	Air Pollution Control Device	OSEPA DUST COLLECTOR FOR FINISH MILL NO. 4 (5-DC-3)
C009581	00008449	PTO	Air Pollution Control Device	DUST COLLECTOR FOR SAND PLANT (1-DC-11)
C009583	00008450	PTO	Air Pollution Control Device	DUST COLLECTOR FOR CLINKER DOME (4-DC-49), fan 4-FA-129
C009584	00008451	INACT	Air Pollution Control Device	DUST COLLECTOR FOR CLINKER DOME (4-DC-50)
C009585	00008452	PTO	Air Pollution Control Device	DUST COLLECTOR FOR CLINKER DOME (4-DC-50), FAN 4-FA-130
C009586	00008453	INACT	Air Pollution Control Device	DUST COLLECTOR FOR CLINKER DOME (4-DC-52)
C009587	00008454	PTO	Air Pollution Control Device	DUST COLLECTOR FOR CLINKER DOME (4-DC-53), FAN 4-FA-128
C009656	00008532	PTO	Air Pollution Control Device	DUST COLLECTOR (6-DC-27)
C011253	00011840	ATC	Air Pollution Control Device	DUST COLLECTOR (4-DC-54)
E007911	00005462	PTO	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
E007913	00005463	INACT	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
E008201	00005746	INACT	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
E008202	00006839	PTO	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
E008203	00005748	PTO	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
E010297	00009945	PTO	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
E010971	00011412	PTO	Emergency I C E	DIESEL IC ENGINE, EMERGENCY GENERATOR
N002528	00000528	INACT	Gasoline Service Station - Non-Retail	GASOLINE DISPENSING FACILITY (NON-RETAIL)
N007349	00007498	PTO	Gasoline Service Station - Non-Retail	GASOLINE DISPENSING FACILITY (NON-RETAIL)

MDAQMD Federal Operating Permit  
 MITSUBISHI CEMENT CORPORATION – Cushenbury Plant  
 Permit Number: 11800001

Permit #	Application #	Permit Status	Permit Type	Permit Description
T000971	00000529	PTO	Tanks (or Silos)	RAW MATERIAL SILOS
T000985	00000531	PTO	Tanks (or Silos)	SILO - SOUTH CEMENT STORAGE
T000987	00000532	PTO	Tanks (or Silos)	SILO - NORTH CEMENT STORAGE
T001030	00000533	PTO	Tanks (or Silos)	CLINKER LOADOUT SYSTEM
T001031	00000534	PTO	Tanks (or Silos)	STORAGE - CLINKER BIN
T001869	00000535	PTO	Tanks (or Silos)	STORAGE – CEMENT
T002090	00000536	PTO	Tanks (or Silos)	STORAGE - RAW MIX BLENDING
T002091	00000537	PTO	Tanks (or Silos)	STORAGE - RAW ADDITIVE
T002092	00000561	PTO	Tanks (or Silos)	SILO – STORAGE
T002093	00000562	PTO	Tanks (or Silos)	STORAGE – CLINKER
T002094	00000563	PTO	Tanks (or Silos)	STORAGE – CLINKER
T002095	00000564	PTO	Tanks (or Silos)	SILO - STORAGE FOR ADDITIVES
T002096	00000565	PTO	Tanks (or Silos)	STORAGE – GYPSUM
T002097	00002635	PTO	Tanks (or Silos)	SILO – STORAGE
T002110	00008458	PTO	Tanks (or Silos)	SILO - CEMENT STORAGE AND TRANSFER
T002139	00000568	PTO	Tanks (or Silos)	STORAGE - GYPSUM/CLAY
T002228	00000569	PTO	Tanks (or Silos)	TANK - CLINKER HOLDING SYSTEM
T003212	00000570	INACT	Tanks (or Silos)	TANK - WASTE OIL
T003213	00000571	INACT	Tanks (or Silos)	TANK - WASTE OIL
T003235	00008478	PTO	Tanks (or Silos)	SILO - TRUCK LOADOUT
T004299	00008468	PTO	Tanks (or Silos)	WHITE SAND SILOS & BAGGING STATION
T005181	00001649	PTO	Tanks (or Silos)	STORAGE TANK FOR WASTE OIL
T010019	00009270	PTO	Tanks (or Silos)	SILO, LIMESTONE
B011738	MD1000000362	ATC	Basic	SLURRY LIME INJECTION SYSTEM
C011737	MD1000000469	ATC	APCD	DUST COLLECTOR FOR SLURRY LIME INJECTION STORAGE SILO



**PART II**  
**FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate various equipment at this facility.  
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.  
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions specified in such permit.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.  
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.  
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.  
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The Air Pollution Control Officer may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing. In the event of such requirements, the Air Pollution Control Officer shall notify the Owner/Operator in

writing of the required size, number and location of sampling ports; the size and location of the sampling platform; the access to the sampling platform, and the utilities for operating the sampling and testing equipment. The platform and access shall be constructed in accordance with the General Industry Safety Orders of the State of California.

[Rule 217 - Testing; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

9. (a) The Air Pollution Control Officer may require the Owner/Operator to provide, properly install, maintain in calibration, in good working order and in operation, a stack monitoring system to measure air contaminants when the Owner/Operator installs, operates or uses any equipment which emits 900,000 kilograms (992 tons) per year of carbon monoxide (CO) or 90,000 kilograms (99 tons) per year or more of any air contaminant except CO.
- (c) The records of the data obtained from the recording devices of the stack monitoring system, specified in Subsections (a) and (b), shall clearly indicate concentrations and/or emission rates as specified by the Air Pollution Control Officer. Test records shall be maintained by the Owner/Operator for a period of five years and shall be made available, upon request, to the Air Pollution Control Officer.
- (d) A violation of emission standards of these rules, as shown by the stack monitoring system specified in Subsection (a), shall be reported by the Owner/Operator to the Air Pollution Control Officer within 96 hours.
- (e) The Owner/Operator operating a stack monitoring system, specified in Subsection (a), shall, upon written notice from the Air Pollution Control Officer, provide a summary of the emission data obtained from such systems. The summary of the data shall be in the form and the manner prescribed by the Air Pollution Control Officer.
- (f) The Owner/Operator operating or using a stack monitoring system required by this rule shall notify the Air Pollution Control Officer within 48 hours in the event of monitoring equipment shutdown or a breakdown of one hour duration or more.
- (g) The Air Pollution Control Officer may inspect, as he determines to be necessary, the monitoring devices required by this rule to insure that such devices are functioning properly.
- (h) A stack monitoring system required to be installed by this rule shall be of a type specified by the California Air Resources Board pursuant to Section 42702 of the Health and Safety Code, or of a type approved by the Air Pollution Control Officer.

[Rule 218 - Stack Monitoring; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

10. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.  
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 10/23/00 submitted on 10/30/01; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]  
[The SIP-pending version is not federally enforceable. Please see Part VI Permit Shield for more details.]
11. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.  
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
12. Owner/Operator shall pay all applicable MDAQMD permit fees.  
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
13. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.  
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
14. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke that is designated No. 1 on the Ringelmann Chart.:
  - b. Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
    - i. All NSPS units (see Appendix A, Table A-1; Source Categories C.1c and C.1.d): per NSPS requirements.
    - ii. All NESHAP units (see Appendix A, Table A-1; Source Categories C.1a, C.1.b, and C.2): per NESHAP requirements.
    - iii. All solid materials handling units not subject to NSPS or NESHAP (see Appendix A, Table A-1; Source Category C.1.e): quarterly visible emissions monitoring.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall not burn any PUC quality natural gas fuel at this facility containing

sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any diesel fuel having a sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

16. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.  
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
17. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM<sub>10</sub> Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved. Construction/Demolition activities shall comply with a District approved Dust Control Plan.  
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as adopted 7/22/96 and SIP submitted 10/18/96]  
[The SIP-pending version is not federally enforceable. Please see Part VI Permit Shield for more details.]
18. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
  - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
  - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
  - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
19. Owner/Operator shall not discharge into the atmosphere from any source at this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
  - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
  - (b) For the purposes of this condition emissions shall be averaged over one complete

- cycle of operation or one hour, whichever is the lesser time period.  
[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
20. Owner/Operator shall not discharge into the atmosphere, from any single source of emissions at this facility whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO<sub>2</sub>) greater than or equal to 500 ppm by volume.  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]  
[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
21. Owner/Operator shall not discharge into the atmosphere from any source at this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.  
(a) The provisions of this condition shall not apply to emissions from internal combustion engines.  
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
22. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.  
(a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.  
[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
23. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions averaged over a minimum of 25 consecutive minutes.  
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
24. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred per Rule 430 and the facility has elected to provide immediate notification under Rule 430, and:

- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
- (e) If the breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[Rule 1203(D)(1)(e)(ii)]

25. Owner/Operator shall not burn any gaseous fuel at this facility containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any diesel fuel having sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

26. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
  - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
  - (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying

period of 12 hours following their application shall be included in this limit.

- (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
- (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:

- (a) All degreasers shall be equipped with a cover that reduces solvent evaporation and minimizes disturbing the vapor zone.
- (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
- (c) Cold Solvent Degreasers - Freeboard Requirements:
  - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
  - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
  - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
  - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
- (d) Cold Solvent Degreasers - Cover Requirements:
  - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type that is designed to easily open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
  - (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
  - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
  - (ii) Degreasers shall not be operating with any detectable solvent leaks.

- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- (vi) Solvent carryout shall be minimized by the following methods:
  - a) Rack workload arranged to promote complete drainage
  - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
  - c) Retain the workload inside of the vapor zone until condensation ceases.
  - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
  - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
- (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
- (viii) Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
- (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
- (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
- (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
- (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or

container.

(g) Rule 442 Applicability:

Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.

(h) Solvent Usage Records:

Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:

- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
  - (i) Product name(s) used in the degreaser, and
  - (ii) The mix ratio of solvent compounds mixtures of solvents are used, and
  - (iii) VOC content of solvent or mixture of compounds as used, and
  - (iv) The total volume of the solvent(s) used for the facility, on a monthly basis, and
  - (v) The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
- (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
- (3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
- (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

28. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C [SIP-Pending: Rule 1113 - *Architectural Coatings* as amended 03/25/02 and submitted on 04/01/03; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013]

[The SIP-pending version is not federally enforceable. Please see Part VI Permit Shield for more details.]

29. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer’s suggested guidelines using one or more of the following methods:
- (a) Electrostatic attraction.
  - (b) High Volume Low Pressure (HVLP) spray equipment.
  - (c) Dip coat.
  - (d) Hand Application Methods.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

30. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	g/L	<u>Air Dried</u> (lb/gal)	g/L	<u>Baked</u> (lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. The provisions of Part II, Condition A.28 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

32. The provisions of Part II, Conditions A.28 and A.29 shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
  - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
  - (c) Stencil coatings.
  - (d) Safety-indicating coatings.
  - (e) Magnetic data storage disk coatings.
  - (f) Solid-film lubricants.
  - (g) Adhesives.
  - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

33. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

34. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

35. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:

- (a) (i) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
- (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
- (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or

less, at 20 deg C (68 deg F).

- (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (c) Owner/Operator shall store fresh or spent solvent in closed containers.
- (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

36. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

37. Owner/Operator subject to Part II, Section A, conditions A.28 through A.38 shall comply with the following requirements:

- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
  - 1. coating, catalyst, and reducer used.
  - 2. mix ratio of components used.
  - 3. VOC content of coating as applied.
  - 4. quantity of Group II exempt compounds used.
- (b) Owner/Operator shall maintain records on a daily basis including:
  - 1. coating and mix ratio of components used in the coating; and
  - 2. quantity of each coating applied.
- (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
- (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

38. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

39. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.  
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
40. A violation of the limits contained in Part II, Conditions A.28 through A.38 as determined by any one of Part II, Condition A.40 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.  
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
41. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.28 through A.38, as required by Rule 1115:
- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
  - (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
  - (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
  - (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
  - (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
  - (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
  - (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).

- (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
- (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
- (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
- (k) Demonstration of Transfer Efficiency of alternative application methods subject to Rule 1115 subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

- 42. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*). [Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
- 43. The Portland Cement kiln shall comply with the following requirements
  - (C) Technology Requirements
    - (1) NOx Reduction Technologies
      - (a) The Owner/Operator of a kiln subject to this Rule shall operate such equipment with NOx RACT. RACT shall be specific to the type of kiln being Operated, and can include - but is not limited to - any one, or a combination of, the following:
        - (i) Combustion Controls
        - (ii) Low NOx burners
        - (iii) Staged combustion
        - (iv) NOx-reducing fuels or substances (includes tire-derived fuels).
    - (2) NOx RACT Emission Limits – All periods except Start-up and Shut-down
      - (a) The Owner/Operator of a kiln subject to this Rule shall not exceed the following NOx emission limits, calculated pursuant to Section (E)(1)(b), during periods of operation other than Start-up and Shut-down:
        - (i) For Preheater-Precalciner Kilns: 6.4 lb/ton of clinker produced when averaged over any 30 consecutive day period;
    - (3) NOx RACT Emission Limits – Start-up and Shut-down Periods
      - (a) The Owner/Operator of a kiln subject to this Rule shall not exceed the following limits during Start-up and Shut-down periods:
        - (i) For Preheater-Precalciner Kilns manufactured by Allis

Chalmers whose construction was completed in 1982:  
17,616 lb NO<sub>x</sub>/day

- (4) Additional Start-up and Shut-down Requirements
  - (a) The frequency and duration of Operation in Start-up or Shut-down mode will be minimized to the maximum extent practicable, and in no case shall the duration of the Start-up or Shut-down period exceed 36 hours;
  - (b) All possible steps will be taken to minimize the impact of emissions during Start-up and Shut-down on ambient air quality;
  - (c) The facility must be Operated in a manner consistent with good practice for minimizing emissions, and the source must have used best efforts regarding planning, design and operating procedures to meet the applicable emission limitation; and
  - (d) The Owner/Operator's actions during Start-up and Shut-down periods must be documented by contemporaneous operating logs signed by the operator on duty at the time of Start-up or Shut-down or other relevant evidence.
- (E) Compliance Determination
  - (1) The Owner/Operator of a kiln subject to this Rule shall make the following determinations, as set forth herein:
    - (a) Compliance determinations shall not be established from data obtained during the periods specified in Section (G).
    - (b) Emission Calculation Method
      - (i) Emissions shall be calculated by dividing the sum of all hourly lb of NO<sub>x</sub> for the current operating day and the preceding 29 operating days by the tons of clinker produced over the same period of time. Such calculations shall exclude any emissions and clinker produced during those time periods specified in Section (G) and during Start-up and Shut-down.
    - (c) The Owner/Operator of a kiln subject to this Rule shall convert observed NO<sub>x</sub> concentrations to a mass emission rate using the following formula (for purposes of this calculation, standard conditions are @ 68°F and 29.92 inches Hg):
$$\text{lb/hr} = 7.1497 \times 10^{-6} (\text{ppmv})(\text{dscfm})$$
    - (d) For the purposes of this Rule, oxides of nitrogen shall be calculated as NO<sub>2</sub> on a dry basis.
- (F) Monitoring and Recordkeeping
  - (1) Continuous Emissions Monitoring
    - (a) The Owner/Operator of a kiln subject to this Rule shall not Operate such equipment unless it is equipped with one of the following:
      - (i) A CEMS monitoring system which meets the requirements of 40 CFR Part 60, Subpart A, and Appendix B, and

complies with the quality assurance procedures specified in 40 CFR Part 60, Appendix F. The CEMS shall be used to demonstrate compliance with the applicable emission limit, specified pursuant to Section (C)(2) by measuring NOx emissions.

- (b) The CEMS or approved alternate recordkeeping procedure shall be operated and maintained in strict accordance with the manufacturer's/supplier's specifications and in continual compliance with the provisions of this Rule.

(2) Recordkeeping Requirements

- (a) The Owner/Operator of a kiln subject to this Rule shall produce and maintain CEMS records, or alternate records pursuant to Section (F)(1)(a)(ii) above, for each affected kiln on a daily basis. Such records shall include, but are not limited to:

- (i) The emissions, in pounds, of NOx from each cement kiln if complying with the limit specified in (C)(2) on a permit unit basis; or
- (ii) The aggregate emissions, in pounds, of NOx from all cement kilns at a facility, if complying with the limit specified in (C)(2) on an aggregate basis, as approved by the District.
- (iii) The date, time and duration of any start-up, shutdown or malfunction in the Operation of any of the kiln systems or the emissions monitoring equipment;
- (iv) The results of performance testing, evaluation, calibration checks, adjustments and maintenance of the CEMS or approved alternate recordkeeping procedure employed, pursuant to the requirements of Section (F)(1)(a)(ii).

- (b) The Owner/Operator of a kiln subject to this Rule shall produce and maintain daily records of NOx emission concentrations and NOx mass emission rate, as required by Section (E)(1)(c).

- (c) The Owner/Operator of a kiln subject to this Rule shall produce and maintain daily clinker production records.

- (d) The Owner/Operator of a kiln subject to this Rule shall produce and maintain daily records of the type and quantity of fuel used.

- (e) All records required to be produced or maintained shall be retained on site for a minimum of five years and be made available to the APCO or his designee upon request.

(3) Emission Reporting

- (a) Daily NOx emission data for the calendar quarter compiled pursuant to Section (F)(2)(a)(i) or (ii) shall be submitted to the District. All quarterly reports must be received within 30 days after the end of each quarter.

(G) Exemptions

- (1) The requirements of Sections (C) and (D) shall not apply to periods during

which any gaseous/liquid fuel is used (except Start-up and Shut-down), and the applicable emission limit is consequently exceeded. This exemption shall be subject to the following conditions:

- (a) The total allowable exceedance period shall be limited to an aggregate total of 14 calendar days per calendar year; and
- (b) Operating pursuant to this exemption shall not relieve the owner or operator from the requirements of District Regulations II, XII or XIII; and
- (c) This exemption shall only apply to periods when there is an interruption in the supply of solid fuel which is beyond the control of the facility; and
- (d) The frequency and duration of operation under this exemption will be minimized to the maximum extent practicable; and
- (e) All possible steps will be taken to minimize the impact of emissions on ambient air quality during gaseous or liquid fuel use;
- (f) The facility must be Operated in a manner consistent with good practice for minimizing emissions, and the source must have used best efforts regarding planning, design and operating procedures to meet the applicable emission limitation; and
- (g) The Owner/Operator's actions under this exemption must be documented by properly signed, contemporaneous operating logs, or other relevant evidence.

(H) Test Methods

- (1) The following tests shall be used in conducting compliance testing, Relative Accuracy Test Audits (RATA) and other testing required for compliance with this Rule:
  - (a) Compliance testing shall be subject to the protocols prescribed in the District's Compliance Test Procedural Manual.
  - (b) Certification Testing shall be subject to the protocols prescribed in the District's Compliance Test Procedural Manual and 40 CFR 60, Appendix B.
  - (c) Quality Assurance Testing shall be subject to the protocols prescribed in the District's Compliance Test Procedural Manual and 40 CFR Part 60, Appendix F.
  - (d) Oxides of nitrogen stack testing for purposes of this Rule shall be conducted pursuant to EPA Method 7E, "Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)" or CARB Method 100, "Procedures for Continuous Gaseous Emission Stack Sampling (Stack Gas NO<sub>x</sub>)."
  - (e) Stack gas flow rate testing shall be conducted pursuant to EPA Method 2, "Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pilot Tube)."
  - (f) Oxygen concentration stack testing shall be conducted pursuant to EPA Method 3A, "Determination of O<sub>2</sub> and CO<sub>2</sub> Concentrations in Emissions from Stationary Sources (Instrumental Analyzer

Procedure)" or CARB Method 100.

[Rule 1161 – *Cement Kilns*; Version in SIP = current; 02/27/2003 68 FR 9015;  
Current Rule Version = 03/25/02]

44. Please see Tables A-1 and A-2 in Appendix A for a list of unit categories and a list of applicable requirements by unit category.
45. Please see Appendix B for NSPS and NESHAP requirements and please see Table A-1 in Appendix A for which units each set of requirements applies to.

**B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:**

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title 5 Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data or logs shall be supplied to District, state or federal personnel upon request.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator of all permitted fuel burning units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers' fuel analysis certification/guarantee for each shipment or by contract term including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement is sufficient.

[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B);

§187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

- 4 (a). Owner/Operator shall submit Compliance Certification annually as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certification by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.  
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]
  - (b). Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.  
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
  - (c). Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA.  
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]
  - (d). Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated hereunder.  
[Rule 1203 (D)(1)(g)(x)]
  - (e). On an annual basis, by January 31 in any given year, Owner/Operator shall submit a *Compliance Certification Report*, to the APCO/District pursuant to District Rule 1203. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.  
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]
5. Owner/Operator shall submit, on a semi-annual basis, on January 31 and July 30 of any given year, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. This *Monitoring Report* shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:
- (a) Summary of deviations from any federally-enforceable requirement in this permit.
  - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
  - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) specified in this permit to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.  
[Rule 1203(D)(1)(c)(i - iii); 1203(D)(1)(d)(i); Rule 1203(D)(1)(e)(i - ii); Rule 1203(D)(1)(g)(v - x)]
6. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions,

deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including those caused by a breakdown, a facility may elect to provide immediate notification under Rule 430, if the Rule 430 provisions apply. However, in case of deviations involving emissions of air contaminants in excess of permit conditions, if the facility does not qualify for Rule 430 immediate notification or does not elect to perform immediate notification under Rule 430, then prompt reporting shall be within 72 hours of the occurrence of the excess emission or within 72 hours of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [40 CFR 70.6(g)]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall submit a *Schedule of Compliance*. In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
- (a) A narrative description of how the facility will achieve compliance with such requirements; and
  - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order or administrative order relating to any Applicable Requirements / federally-enforceable requirements that is issued by any appropriate judicial body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
  - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective

measures adopted due to the failure to meet dates in the schedule of compliance.  
[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(g)(v)]

**C. FACILITYWIDE COMPLIANCE CONDITIONS:**

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times.  
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.  
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.  
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement / federally – enforceable requirement.  
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.  
[1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all federally enforceable requirements that become effective during the term of this permit.  
[Rule 1201 (I)(2)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.  
[40 CFR 61, subparts A and M]
8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145(b)(3)(i) of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.  
[40 CFR 61.145.b]

9. Owner/Operator shall notify the APCO/District, on an annual basis, at least 10 working days before the end of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145(b)(3)(iii) of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].  
[40 CFR 61.145(b)]
  
10. Owner/Operator shall comply with all requirements of Rule 3011 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.  
[Approval Pending: Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits; as adopted 2/28/2011, submitted 3/24/2011]

**PART III**  
**EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

**A. EQUIPMENT DESCRIPTION: CHUSENBURY PLANT:**

**PROCESS: 1 - CRUSHING & SCREENING FOR PREHEATER PLANT**

**1. PRIMARY AND SECONDARY CRUSHING SYSTEM – MDAQMD PERMIT: B001009:**

Equipment Name
2-WP-8 Water Spray Pump
2-SS-1 Primary Hopper, 250 tons
2-FE-1 Apron Feeder
2-CR-1 Jaw Crusher, Birds-Bord Buchanan
2-BC-1 Belt Conveyor
2-VS-1 Vibrating Screen
2-CR-2 Secondary Crusher
2-BC-2 Belt Conveyor
2-BC-3 Belt Conveyor
2-SC-1 Screw Conveyor
2-SC-1A Screw Conveyor
Pile Outside Cement Rock, 72,000 tons
Pile Outside High Grade, 36,000 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator shall operate/maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment

operating under valid District permit C001013 (2-DC-1).

3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.
4. Process rate shall not exceed equipment rating of 1,975 tons per hour. A daily log of material processed (tons), actual or estimated, shall be maintained on-site for five years and provided to District personnel on request.

**2. BAGHOUSE – MDAQMD PERMIT; C001013:**

Serving Crushing System 2-CR-1 under permit No. B001009:  
 2-DC-1 Baghouse, Mikro Pul No. 100-8-20, A/C ratio 8.23:1, 16,000 acfm cloth area  
 1,943 sq. ft.  
 2-FA-1 Blower, 60 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**3. CRUSHING, STOCKPILING, AND PRE-BLENDING SYSTEM – MDAQMD PERMIT; B001011:**

Capacity (Hp)	Equipment Name

Capacity (Hp)	Equipment Name
5.00	2-FA-11 Water Cooling Fan
5.00	2-FA-12 Water Cooling Fan
37.50	2-FE-3,4,5,6,7 Apron Feeders, 5 @ 7.5 hp ea
30.00	2-BC-4 Belt Conveyor
200.00	2-BC-5 Belt Conveyor
50.00	2-VS-2,3 Vibrating Screens, 2 @ 25 hp ea.
	2-SS-4 Funnel
25.00	2-FE-10 Feeder
350.00	2-CR-3 Crusher, Tertiary
40.00	2-BC-6 Belt Conveyor
50.00	2-BC-9 Belt Conveyor
5.00	2-TIM-2 Magnet
150.00	3-BC-1 Belt Conveyor
	3-SS-1 Funnel
50.00	3-BC-2 Belt Conveyor
6.00	3-SL-1, 2 Stack Slewing Drive, 2 @ 3 hp ea.
2.00	2-SC-2 Screw Conveyor
	Dome Rock and Hi Grade, 49,000 tons

PERMIT CONDITIONS: (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator shall operate/maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permits C001014 (2-DC-2), C001016 (2-DC-3), C001017 (3-DC-1), C001335 (2-DC-6), C001336 (2-DC-7), C001337 (2-DC-8), C001339 (2-DC-9).
3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.
4. **BAGHOUSE – MDAQMD PERMIT; C001014:**

Serving Tertiary Crusher 2-CR-3 and Preblend to 2-BC-9 under permit No. B001011:  
2-DC-2 Baghouse, Ecolaire model 500-6, A/C ratio 5:1, 15,000 acfm, cloth area 3,140 sq.  
ft. 2-FA-2 Blower, 50 hp.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. **BAGHOUSE – MDAQMD PERMIT; C001016:**  
Serving Tertiary Crushing/Preblend System 2-CR-3 via 2-BC-9 to 3-BC-1 under permit No. B001011 and equipment under permit No. B001979:  
2-DC-3 Baghouse, DCE Vokes DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 2-FA-3 Blower, 5.5 hp.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.

3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
6. **BAGHOUSE – MDAQMD PERMIT; C001017:**  
Serving Crushing/Preblend to Dome via 3-BC-2 under permit No. B001011:  
3-DC-1 Baghouse, Flex-Kleen 84-WRT-64, A/C ratio 6.25:1, 4,000 acfm, cloth area 640 sq. ft. 3-FA-1 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
7. **BAGHOUSE – MDAQMD PERMIT; C001335:**  
Serving Crusher Pre-blend Transfer via 3-BC-1 to Dome under permit No. B001011:  
2-DC-6 Baghouse, DCE Vokes DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 2-FA-6 Blower, 6.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
  2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
  3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
  4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
- 8. BAGHOUSE – MDAQMD PERMIT; C001336:**  
Serving Crusher Pre-blend Transfer from 2-BC-4 under permit No. B001011:  
2-DC-7 Baghouse, DCE Vokes DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 2-FA-7 Blower, 5.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**9. BAGHOUSE – MDAQMD PERMIT; C001337:**

Serving Stockpile Transfer to Crushing to 2-BC-5 under permit No. B001011:  
2-DC-8 Baghouse, DCE Vokes DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 2-FA-8 Blower, 5.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**10. BAGHOUSE – MDAQMD PERMIT; C001339:**

Serving Tertiary Crusher 2-CR-3 under permit B001011:  
2-DC-9 Baghouse, Ecolaire model 500-3, A/C ratio 3.82:1, 6,000 acfm, cloth area 1,570 sq. ft. 2-FA-9 Blower, 20 hp.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.

2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**11. RAW ADDITIVE DELIVERY TO STORAGE – MDAQMD PERMIT; B001012:**

Capacity (Hp)	Equipment Name
60.00	3-BC-4 Belt Conveyor
5.00	3-TT-1 Tripper
60.00	3-RC-1 Reclaimer
0.20	3-RC-B1 Reclaimer Slope Cleaner Brake
100.00	3-CD-1 Drag Conveyor
6.00	3-SL-3A,3B Stacker Slewing Drive, 2 @ 3 hp ea.
1.50	3-SL-4A,4B Stacker Slewing Drive, 2 @ .75 hp ea.
	3-SS-1 Raw Material Bin, 8 tons
50.00	3-BC-3 Belt Conveyor
2.00	3-SC-1 Screw Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001015 (3-DC-2) and C001018 (3-DC-3).

**12. BAGHOUSE – MDAQMD PERMIT; C001015:**

Serving Raw Additives Transfer from Dome via 3-BC-3 under permit No. B001012: 3-DC-2 Baghouse, Flex Kleen 84-WRT-64, A/C ratio 6.25:1, 4,000 acfm, cloth area 640

sq. ft. 3-FA-2 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of two years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**13. BAGHOUSE – MDAQMD PERMIT; C001018:**

Serving Additive Silos via 3-BC-3 and 3-BC-4 under permit No. B001012 and equipment under permit No. T002091: 3-DC-3 Baghouse, Ecolaire model 500-7, A/C ratio 5.14:1, 18,000 acfm, cloth area 3,500 sq. ft. 3-FA-3 Blower, 60 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.

request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**14. STORAGE - RAW ADDITIVE – MDAQMD PERMIT; T002091:**

Capacity	Equipment Name
43700.00	3-SS-2 Preblend Material Silo, 450 tons
43700.00	3-SS-3 Bauxite Silo, 450 tons
43700.00	3-SS-4 Iron Oxide Silo, 450 tons
43700.00	3-SS-5 High Grade Silo, 450 tons
43700.00	3-SS-6 High Grade Silo, 450 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permits C001018 (3-DC-3) under B001012.

**14A. BAUXITE UNLOADING HOPPER – MDAQMD PERMIT; B010042:**

Capacity (Hp)	Equipment Description
	3-SS-7 Hopper 5 cubic feet
10.00	3-BC-6 Belt Conveyer 24” wide by 106 feet long

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall only be used to unload and transfer bauxite to the stockpile.
2. The owner/operator shall operate/maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
3. Materials processed shall contain sufficient natural or added moisture to ensure

compliance with District Rules 401,402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance. Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

**PROCESS: 1A – CLAY STORAGE**

**15. CLAY DELIVERY, CRUSHING AND STORAGE SYSTEM – MDAQMD PERMIT; B001010:**

Capacity (Hp)	Equipment Name
	2-SS-2 Clay Hopper
10.00	S-FE-8 Apron Feeder
20.00	2-BC-10 Belt Conveyor
40.00	2-BC-7 Belt Conveyor
	Dome Clay Pile, 17,000 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator shall operate/maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permits C001333 (2-DC-4) and C001334 (2-DC-5).
3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

**16. BAGHOUSE – MDAQMD PERMIT; C001333:**

Serving Clay Crushing System 2-CR-4 under permit No. B001010:  
 2-DC-4 Baghouse, DCE Vokes DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 2-FA-4 Blower, 5.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT

FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,  
40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION =  
07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**17. BAGHOUSE – MDAQMD PERMIT; C001334:**

Serving Clay Crushing System 2-CR-4 under permit B001010:

2-DC-5 Baghouse, Zurn model E-1 pulse jet ZJ-60-8, A/C ratio 5:1, 3,500 acfm, cloth area 680 sq. ft.

2-FA-5 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT  
FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,  
40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION =  
07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**18. CLAY DOME RECLAIM SYSTEM – MDAQMD PERMIT; B001979:**

Capacity (Hp)	Equipment Name
	2-SS-5 Manual Hopper
	2-GA-5 Manual Gate
7.50	2-FE-2 Clay Dome Discharge Feeder
0.25	2-LP-3 Clay Reclaim Feeder Lube Pump
7.50	2-BC-8 Belt Conveyor, Clay Dome Reclaim
	2-BCS-3 Belt Scale for Clay 2-BC-8, discharge is to 2-BC-9 (B001011)

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C001016 (2-DC-3) (under B001011).

**PROCESS: 2 – RAW GRINDING:**

**19. RAW GRINDING AND BLENDING - MDAQMD PERMIT; B001019:**

Capacity (Hp)	Equipment Name
5.00	3-WF-1 Weigh Feeder
3.00	3-WF-2,3,4 Weigh Feeders, 3 @ 1 hp ea.
2.00	3-WF-5 Weigh Feeder
50.00	3-BC-5 Belt Conveyor
7.50	3-TV-4 Tipping Valve
7000.00	3-GM-1 Raw Mill Motor F L. Smidth, 2 @ 3,500 hp ea.
100.00	3-ID-1 Inching Drive

Capacity (Hp)	Equipment Name
15.00	3-AB-1A Air Blower for 3-AS-1,2,3
3.00	3-AB-1B Air Blower for Elevator inlets 3-BE-1,2
250.00	3-BE-1,2 Bucket Elevators, 2@ 125 hp
30.00	3-AB-2 Air Blower for 3-AS-4,5,6,8
50.00	3-AB-3 Air Blower for 3-AS-11,12,13,15
	3-SE-1 Grit Separator
800.00	3-SE-2,3 Mechanical Separators, 2 @ 400 hp ea.
	3-CY-1,2 Cyclones
6.00	3-RV-1,2 Rotary Valves, 2 @ 3 hp ea.
1200.00	3-FA-8 Air Fan
10.00	3-FA-9 Cooling Fan
1.00	3-CH-1 Sampling Churn
10.00	3-AB-4 Air Blower for 3-AS-16,17,18,36
10.00	3-AB-5 Air Blowers for 3-AS-16,17,18,36
250.00	3-BE-3,4 Bucket Elevators, 2 @ 125 hp
50.00	3-AB-6 Air Blowers for 3-AS-19,20,22,24
50.00	3-AB-9 Air Blowers for 21,23 & 3-DB-4
10.00	3-AB-7 Air Blowers for 3-DB-6
10.00	3-AB-8 Air Blowers for 3-DB-5
2.00	3-SC-2 Screw Conveyor
2.00	3-SC-3 Screw Conveyor
1.00	3-SC-4 Screw Conveyor
2.00	3-SC-5 Screw Conveyor
5.00	3-SC-6 Screw Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001020 (3-DC-4), C001021 (3-DC-5), C001023 (3-DC-6) and C001024 (3-DC-7).
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this

equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**20. BAGHOUSE - MDAQMD PERMIT; C001020:**

Serving Raw Grinding/Blending 3-GM-1 under permit No. B001019:  
3-DC-4 Baghouse, Ecolaire model 500-8, A/C ratio 5:1, 20,000 acfm, cloth area 4,186  
sq. ft. 3-FA-4 Blower, 60 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**21. BAGHOUSE - MDAQMD PERMIT; C001021:**

Serving Raw Mill discharge via discharges from 3-BE-3 and 3-BE-4 permit No. B001019 and equipment under permit No. T002090:  
3-DC-5 Baghouse, Ecolaire model 500-8, A/C ratio 5:1, 20,000 acfm, cloth area 4,186  
sq. ft. 3-FA-5 Blower, 60 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.

2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**22. BAGHOUSE - MDAQMD PERMIT; C001023:**

Serving Raw Mill 3-GM-1 to Blending Silos via 3-BE-3 and 3-BE-4 under permit No. B001019 and equipment under permit No. B001857:  
3-DC-6 Baghouse, Ecolaire model 500-6 A/C ratio 4.78:1, 15,000 acfm, cloth area 3,140 sq. ft. 3-FA-6 Blower, 50 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**23. BAGHOUSE - MDAQMD PERMIT; C001024:**

Serving Raw Mill Grinding System at discharge from 3-BE-3, 3-BE-4, and Air Slides to Silos 3-SS1 and 3-SS2 under permit No. B001019 and equipment under permit No. B001857: 3-DC-7 Baghouse, Ecolaire model 500-8, A/C ratio 5:1, 22,000 acfm, cloth

area 4,186 sq. ft. 3-FA-7 Blower, 75 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**24. STORAGE – RAW MIX BLENDING - MDAQMD PERMIT; T002090:**

Capacity	Equipment Name
767700.00	3-BS-1 Raw Mix Blending Silo
767700.00	3-BS-2 Raw Mix Blending Silo

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permits C001021 (3-DC-5) under B001019.

**25. BLENDING OPERATION FOR KILN FEED - MDAQMD PERMIT; B001857:**

Capacity (Hp)	Equipment Name

Capacity (Hp)	Equipment Name
3.00	3-AB-18 Air Blowers for 3-AS-24,30
3.00	3-AB-17 Air Blowers for 3-AS-25,31
15.00	3-AB-19 Air Blowers for 3-AS-26,27,28,29,32,33
15.00	3-AB-23
15.00	3-AB-21 Air Blowers for 3-AS-40,41,37,38,39
15.00	3-AB-24
200.00	3-BE-5,6 Bucket Elevators, 2 @ 100 hp
2.00	3-ID-6,7 Inching Drive, 2 @ 1 hp
25.00	3-AB-22 Air Blower for 3-AS-42,43
25.00	3-AB-25
	4-SS-1 Kiln Feed Bin, 75 tons
60.00	3-AB-10 Air Blower to 3-BS-1
40.00	3-AB-11 Air Blower to 3-BS-1
25.00	3-AB-12 Air Blower to 3-BS-1
60.00	3-AB-13 Air Blower to 3-BS-2
40.00	3-AB-14 Air Blower to 3-BS-2
25.00	3-AB-15 Air Blower to 3-BS-2
900.00	3-FA-23-40 Blowers, 18 @ 50 hp ea.
900.00	3-FA-41-58 Blowers, 18 @ 50 hp ea.
10.25	3-DA-52-135 Dampers, 82 @ 1/8 hp ea.
90.00	3-SC-10-27 Screw Conveyors, 18 @ 5 hp ea.
90.00	3-SC-28-45 Screw Conveyors, 18 @ 5 hp ea.
10.00	3-CD-3 Drag Conveyor
10.00	3-CD-4 Drag Conveyor
20.00	3-SC-9 Screw Conveyor
20.00	3-BE-7 Bucket Elevator

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001023 (3-DC-6) under B001019,

C001024 (3-DC-7) under B001019, C001338 (3-DC-10-45) under B001025. Equipment in this permit shall be in operation if kiln in B001025 is in operation.

**26. KILN BYPASS SYSTEM – ALKALI DUST - MDAQMD PERMIT; B001984:**

Capacity (Hp)	Equipment Name
	4-DA-5, 6 Alkali Bypass Dampers, Q Fan, Inlet
	4-DA-7, 8 Alkali Bypass Dampers, Q Fan, Discharge, Iso
60.00	4-FA-1 Alkali Bypass Quench Fan
15.00	4-SC-11 Return Screw Conveyor
40.00	4-AC-1 Air Compressor
25.00	4-FK-1 Fuller Pneumatic Dust Transfer Pump
	4-GA-7,8 Knife Gates

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001028 (4-DC-4 through 10).
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**27. CLINKER COOLING EXHAUST DUST RECLAIM SYSTEM TRANSFER - MDAQMD PERMIT; B002138; 41,000 ton silo:**

Capacity (Hp)	Equipment Name
1000.00	4-FA-74-93 Blowers, 20 @ 50 hp ea.
100.00	4-SC-15-24 Screw Conveyors, 10 @ 10 hp ea.
100.00	4-SC-15A-24A Screw Conveyors, 10 @ 10 hp ea.
20.00	4-SC-28 Screw Conveyor
30.00	4-SC-29 Screw Conveyor (extended)
10.00	4-SC-46 Screw Conveyor (FR 4-DC-46)

Capacity (Hp)	Equipment Name
7.50	4-SC-12 Screw Conveyor
5.00	4-SC-13 Screw Conveyor
	4-BE-2 Bucket Elevator (B002137)
	4-GA-84 Bypass Gate
40.00	4-DDC-3 4-SS-4 Feed Apron Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000984 (4-DC-15-37) under B001025, C001340 (4-DC-41) under B002137, and C011253 (4-DC-54) or C001027 (4-DC-11) under T002093 (at times when T002093 is being filled).
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**28. STORAGE-CLINKER DIRECT FROM 4-RK-1 KILN COOLER SYSTEM, 3,330,000 GALLONS, 4-SS-4 CLINKER SILO, 41,000 TONS - MDAQMD PERMIT; T002093:**

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permits C001027 (4-DC-11).

**29. BAGHOUSE - MDAQMD PERMIT; C001027;**

Serving Kiln Cooler Transfer of Clinker to Silo Storage, mounted on silo; 4-SS-4 under permit No. T002093 and equipment under permit Nos. B001025 and B002138; 4-DC-11 Baghouse, Ecolaire model 600-1, A/C ratio 5.7:1, 3,500 acfm, cloth area 615 sq. ft. 3-FA-5 Blower, 15 hp:

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**29a. DUST COLLECTOR – MDAQMD PERMIT: C011253**

Dust collection system manufactured by AVS, Model 96AVS64, with an airflow of 3,000 acfm, cloth area 786 sq ft, and an air to cloth ratio of 3.8:1. Fan motor rated at 7.5 hp. Serves the kiln cooler transfer to Clinker Storage Domes.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance these conditions.
5. This baghouse shall operate concurrently with the clinker cooling exhaust dust reclaim system transfer under valid District Permit B002138. Additionally, this unit and dust collector with District permit C001027 shall not operate simultaneously.
6. This baghouse shall discharge no more than 0.30 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [MD Rule 1303]
7. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
8. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
9. The o/o shall conduct periodic opacity monitoring per NESHAP Subpart LLL requirements.
10. The o/o shall conduct an initial opacity performance test per NESHAP Subpart LLL requirements.

**30. CLINKER COOLING & TRANSFER - MDAQMD PERMIT; B002137:**  
 Clinker Silo 4-SS-8

Capacity (Hp)	Equipment Name
	4-GA-19A,19B Gates on 3-way chute to "G" Cooler
40.00	4-CD-3,4 Drag Conveyors, 2 @ 20 hp ea.
1000.00	4-FA-57-66 "G" Cooler Fans, 10 @ 200 hp ea.
10.00	4-GA-21-50 Screw Driven Cooler Gates
10.00	4-GA-51-80 Screw Driven Cooler Gates
20.00	4-DDC-2 "G" Cooler Discharge Apron Conveyor
	4-SS-3 45-DDC-2 Reclaim Hopper, 7.5 tons

Capacity (Hp)	Equipment Name
	4-GA-82 Gate from 3-way chute
100.00	4-BE-2 Bucket Elevator
	4-GA-83,89 Bypass Gates
	4-SS-6 Hopper
10.00	4-BC-7 Belt Conveyor
5.00	4-BC-8 Belt Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001026 (4-DC-40), C001340 (4-DC-41), C002782 (4-DC-46), and C000999 under B001032.
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**31. BAGHOUSE - MDAQMD PERMIT; C001026:**

Serving Clinker Transfer to Silos under permit No. B002137 and equipment under permit No's. B000983, B001025, and B001032:

4-DC-40 Baghouse, Zurn pulse jet model ZJ-144-8, A/C ratio 4.15:1, 7,200 acfm, cloth area 1,733 sq. ft., 4-FA-96 Blower, 20 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five

years.

3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**32. BAGHOUSE - MDAQMD PERMIT; C001340:**

Serving Clinker Transfer to Silos under permit Nos. B002137 and B002138:  
4-DC-41 Baghouse, Ecolaire model 600-1, A/C ratio 5.57:1, 3500 acfm, cloth area 628 sq. ft., 4-FA-97 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**33. BAGHOUSE - MDAQMD PERMIT; C002782:**

Serving Clinker Grate (G) Cooler under permit No. B002137 and equipment under permit Nos. B001025 and T001030:  
4-DC-46 Baghouse, Fuller model "8" series, single module walk-in plenum-jet pulse collector, size 400 S10, 25,000 acfm at 160 degrees F, estimated velocity 107'/sec., 5,200 ft<sup>2</sup> total cloth area and A/C ratio 4.8:1; stack 26" dia. x 66"H  
4-FA-46 Blower, 100 hp, 4-CY-46 Cyclone

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**PROCESS: 3 – BURNING & COOLING – RAW BLENDING:**

**34. CLINKER TRANSFER TO STORAGE - MDAQMD PERMIT; B001032:**

Capacity (Hp)	Equipment Name
30.00	4-DDC-4 Deep Drawn Conveyor
50.00	4-BE-3 Bucket Elevator
60.00	4-CD-5 Chain Drag
10.00	4-SC-14 Screw Conveyor
3.00	4-CD-6 Drag Conveyor
25.00	4-BC-3 Belt Conveyor
	4-SS-6 Clinker hopper
10.00	4-BC-7 Belt Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000999 (4-DC-45), C001026 (4-DC-40) under B002137, C001029 (4-DC-12) under T001031.

**35. BAGHOUSE - MDAQMD PERMIT; C000999:**

Serving Clinker Transfer dust, under permit No. B001032 and equipment under permit Nos. B000975, B001034, B002137, T002094, and T002096:

4-DC-45 Baghouse, Mikro Pul model 82-F-4, A/C ratio 2.18:1, 9,860 acfm, cloth area 4,522 sq. ft.

4-FA-95 Blower, 100 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**36. EQUIPMENT DESCRIPTION AND OPERATING CONDITIONS FOR; CLINKER PYRO PROCESSING KILN - MDAQMD PERMIT; B001025:**

Kiln and pre-calciner. 4-RK-1 and 4-SP-1 with total heat input of 751 MMBtu/hr, and tire fuel conveying system. Horsepower ratings are converted to Btu ratings using 2550 Btu/hp factor in capacity listing (rating is in units of MM Btu/hr).

Capacity (MMBtu/hr)	Equipment Name
0	4-AP-1 Aeration Pad
0	4-AS-1,2 Air Slides
0.1	4-AB-1,4 Air Blowers for 4-AP-1, 4-AS-1,2 (40 total hp)
0	4-AS-4,6,8,10 Air Slides
0.01	4-AB-2 Air Blower for 4-AS-4,6,8 (7.5 hp)
0	4-AS-5,7,9 Air Slides
0.01	4-AB-3 Air Blower for 4-AS-3,5,7,9 (7.5 hp)
0.19	4-AB-5 Clinker Reclaim (Modco) System (75 hp)
0.03	4-RV-1,2 Rotary Valves, 2 @ 7.5 hp ea.
0	4-CY-1-10 Cyclones
0	4-SP-1 Pre-calciner (Suspension Preheater)
0.03	4-FA-16 Air Seal Fan (15 hp)
751	4-SP-1 and 4-RK-1 Total heat input of 751 MMBtu/hr
2.04	4-RK-1A,1B Motor Drive for Kiln, 2 @ 400 hp ea.
0.1	4-ED-1,2 Emergency Drives, 2 @ 20 hp ea.
0.26	4-FA-19-39 Shell Cooling Fans, 21 @ 5 hp ea.
0.1	4-FA-120-127 Shell Cooling Fans, 8 @ 5 hp ea.
0.02	4-FA-17,18 Kiln Drive Cooling Fans, 2 @ 5 hp ea.
0.06	4-FA-40 Air Seal Cooling Fan (25 hp)
0	7-BU-4 Burner for Kiln
0	7-BU-5 Pre-calciner Coal Burner (stationary)
0	7-BU-6 Pre-calciner Gas Burner (stationary)
0	7-BU-7 Pre-calciner Gas Burner Stabilizer
0.01	7-FA-18 Pre-calciner Primary Fan (7.5 hp)
0.15	7-FA-17 Kiln Primary Air Fan (60 hp)
12.75	4-FA-12,13 Pre-heater Exhaust Fans, 2 @ 2500 hp ea.
0.03	4-FA-14,15 I.D. Motor Cooling Fans, 2 @ 7.5 hp ea.
1.14	4-AC-2,3,4 Air Compressors, 3 @ 150 hp ea.
0.1	4-WP-1,2 Water Pumps, 2 @ 25 hp ea.
0.3	4-WP-3,4 Water Pumps, 2 @ 60 hp ea.
0.38	4-FA-41 Grate Cooler Fan (150 hp)
0.38	4-FA-42 Grate Cooling Fans (150 hp)
1.02	4-FA-43 Rate Cooling Fans (400 hp)
0.76	4-FA-44 Grate Cooling Fans (300 hp)
1.02	4-FA-45 Grate Cooling Fans (300 hp)
0.01	4-FA-50A,B Air Cooling Fans, 2 @ 3 hp ea.
0.19	4-CC-1 Clinker Grate Cooler (75 hp)
0.31	4-BR-1 Clinker Breaker (125 hp)
0.15	4-FA-55 Clinker Breaker Housing Cooling Fan (60 hp)
0.03	4-FA-56 Clinker Breaker Cooling Fan (15 hp)
0.01	4-CD-1 Drag Conveyor (7.5 hp)
0.12	4-DDC-1 Deep Drawn Conveyor (50 hp)
0	4-DA-3A,B Dust Dampers, 2 @ 0.1 hp ea.
0.001	4-DA-54,55,56,57 Dust Dampers, 4 @ 0.1 hp ea.
0.01	4-FA-51,52 Cooling Fans, 2 @ 3 hp ea.
0.1	4-FA-100,101 Air Blower Fans (7.5 and 25 hp)
0.004	4-DAA-5 Dust Dampers @ 0.75 hp
0.004	4-DA-6 Dust Dampers @ 0.75 hp
0	7-LBF-1 Live Bottom Feeder

Capacity (MMBtu/hr)	Equipment Name
0	7-BC-10 Belt Conveyor
0	7-SGL-1,2 Tire Singulators (5 and 3 hp)
0	7-BC-10A Belt Conveyor
0	7-BC-11 Belt Conveyor
0	7-LRC-1-15 Roller Conveyers (17 LRC, total 14 hp)
0	7-GA-114,115 Tire Shoot Gates
0	7-WF-5 Weigh Feeder

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Limestone ore charged to the process shall only be obtained from the Cushenbury or Marble Canyon quarries unless a sulfur analysis of the proposed replacement ore is submitted to the District a minimum of 60 days prior to intended use, and written permission of the APCO is obtained for use of the replacement ore.
2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permits C001338 (3-DC-10-45), C000984 (4-DC-15-37), C001026 (4-DC-40) under B002137, and C002782 (4-DC-46) under B002137.
3. Fuel to the kiln system may include coal, natural gas, and other supplemental or alternative fuels as allowed by these conditions.
4. The o/o shall be limited to using only those materials described in the addenda to the application and generated on-site. Specifically these materials are as follows: Mobil AW - 2 and Mobil 46M Lubricants, oil soaked rags, National Sanitary Supply Oil Sorb 22, oil contaminated soil from spills on-site, laboratory chemicals, waste paper, and bags from baghouses at this facility.
5. The kiln system may use Tire Derived Fuel (TDF) as a supplementary fuel. The TDF may consist of any combination of whole tires, chipped tires, or separated portions of tires. The feed rate of TDF being utilized shall not exceed 26% of the total Btu content being fed into the kiln for any single hourly average or 22% on any 24 hour average basis.

The maximum heat value of TDF may be increased up to 70% with the addition of a chipped tire feed system (see B010724). Pending a source test to demonstrate no increase in HAPS, criteria pollutants and/or Health Risk. The source test must be completed prior to usage of 50,000 short tons of chipped tires.

6. The daily emissions for each operating day for this kiln system shall be recorded and/or calculated in a manner approved by the District. The data shall be submitted to the District within 30 days of the end of each calendar quarter. The daily emissions of the following pollutants CO, NO<sub>x</sub>, SO<sub>x</sub>, and O<sub>2</sub> (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS). The stack gas flow rate shall be monitored using a Continuous Emission Rate Monitoring System (CERMS), or other District approved method.
7. The o/o shall submit to the District an emissions demonstration report each quarter. This report shall include emission data while the facility is operating without TDF and with TDF.
8. Biosolids may be used as a NO<sub>x</sub> reduction agent and as a supplementary fuel in the Cushenbury plant cement kiln system.
9. The biosolids injection/feed rate shall not exceed 5 tons/hour calculated at 0 percent moisture.
10. Daily data shall be maintained for the operation of the kiln which include, but are not limited to, the items listed below. This data shall be kept current and on-site for a minimum of five (5) years and provided to federal, state, and/or District personnel upon request.
  - a) Hours of operation/day.
  - b) Dates of major repairs and/or replacements and dates of routine repairs.
  - c) Type(s) and mass quantity of fuels and fuel supplements being used, and the associated feed rate.
11. NO<sub>x</sub> emission from this kiln shall not exceed 6.4 lb/ton of clinker produced when averaged over any 30 consecutive day period.  
[Rule 1161(C)(2)(a)(i)]
12. The kiln may use the following wood products as supplementary fuel: natural vegetation, non-hazardous railroad ties and telephone poles, and non-hazardous construction wood materials. Heat input of all wood materials may be up to 40% of the total Btu feed rate on a 24 hour basis and shall be injected only into either the front end of the kiln or the combustion zone of the pre-heater tower. Compliance with the non-hazardous requirement shall be evidenced by suppliers manifest of non-hazardous wood material supplied.
13. The emissions effects of wood as supplemental fuel are to be studied as this fuel source is introduced. Therefore, continuous emissions monitoring (CEMs) shall be employed during all wood testing periods as described herein:
  - a) Continuous emissions monitoring using existing plant CEMS shall be used to monitor criteria pollutant emissions during all wood testing periods, as well as during other periods.

- b) Periods of wood testing will be identified in the quarterly emission reports, including start and end time, wood product type, and total amount combusted.
  - c) Records shall be kept for kiln total BTU input during wood testing periods, based on either laboratory or published BTU contents.
  - d) NO<sub>x</sub>, total hydrocarbon, CO, and SO<sub>x</sub> emissions, based on average emissions during periods of wood products testing, as recorded by the plant CEMS, shall be maintained below the maximum 72-hour average from the previous two years of data during periods without wood product testing. Data obtained during periods of wood product testing shall be averaged over the quarter; a minimum of 72 hours of data collection is required for calculating the average. In cases where less than 72 hours is collected in a quarter of wood product testing, the data will be combined with the data from previous quarters for averaging purposes.
  - e) Opacity readings shall be taken per 40CFR63.1349(b) for each wood type.
14. Source testing requirements regarding the use and effects of supplemental wood products are summarized:
- a) Pursuant to 40CFR63 Subpart LLL, the owner/operator shall conduct a dioxin/furan test, using EPA Method 23 and following a District-approved test protocol, using the wood product identified that has the most adverse emission effects, inputted at the maximum allowable rate, and prior to the total quantity of wood products introduced reaching 100,000 short tons.
  - b) If the results of the source test indicate that there is no increase in HAPS or criteria pollutants, than no additional source testing will be required other than annual RATA and the dioxin/furans test as required by 40 CFR.
  - c) Additional source test shall be required as other distinct wood products are introduced to quantify their emission effects. Source tests are required prior to the introduction of 50,000 short tons, based on cumulative total for all testing periods involving the new product.
  - d) CEMS reporting is not affected by the use or non-use of wood products. CEMS reporting shall continue in accordance with conditions above.
15. This facility shall be maintained in compliance with; NSPS 40 CFR 60 Subparts F, Y and OOO; and 40 CFR 63 Subpart LLL. In the event of conflict between District permit conditions and these Federal requirements, the more stringent requirements shall govern.

**36A. SLURRY LIME INJECTION SYSTEM; B011738:**

Dry lime, purchased from various sources, is delivered by truck and off-loaded to the Lime Storage Silo. Lime is transferred from the Lime Storage Silo to the Batch tank where plant water is added to make Lime Slurry. Lime Slurry is pumped to the Day Tank, on the fifth floor of the Preheat Tower where it is metered into injection points in to the kiln exhaust within the north and south downcomers.

Capacity (MMBtu/hr)	Equipment Name
0	12'd X 70'h, Lime Storage Silo (100 ton capacity)

Capacity (MMBtu/hr)	Equipment Name
0.35	Arch Breaker rated at 0.35 bhp
0.75	Screw Feeder rated at 0.75 bhp
1.5	Moisture Isolation Injector rated at 1.5 bhp
0.01	Mixer rated at 2 bhp
1.5	Transfer Pumps (2 units rated at 0.75bhp, each)
0	Dust Collector (District Permit C011737)
0	48"d X 40"h, Batch Tank (260 gallon capacity)
0	27"d X 51"h, Day Tank (500 gallon capacity)
2	Mixer rated at 2 bhp
0	95" X 64" X 72", Metering Pump Skid
3	Metering Pumps (3 units rated at 1 bhp, each)

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
2. The Lime Storage Silo associated with this Slurry Lime Injection system shall not receive material unless the associated air pollution control device under District permit C011737 is concurrently operating.
3. The owner/operator shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not limited to Rules 401, 402, 403 and 430.
4. This system is limited to 4000 tons per year of Lime product.  
[District Rule 1303 - NSR Requirements]
5. Product unloading from truck(s) to the Lime Storage Silo of this Slurry Lime Injection system is limited to less than 200 hours per year.  
[District Rule 1303 - NSR Requirements]
6. The owner/operator shall record all deliveries of the product unloaded from truck(s) to the Lime Storage Silo of this Slurry Lime Injection system to demonstrate compliance with condition 4 and 5, above.
7. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

**36B. DUST COLLECTOR FOR SLURRY LIME INJECTION STORAGE SILO;  
C011737:**

A Donaldson Torit, Model 16FS6; Serial TBD, equipped with sixteen (16) 6'-long polyester bags, providing a total filter/cloth area of 160 sq. ft. at a ratio of 6.25:1, with a 3 bhp fan exhausting a maximum of 1000 acfm. Polyester bags are 99.9% efficient with an emission loading of 0.01 gr/dscf. Baghouse includes a reverse pulse cleaning system and a differential pressure gauge (optimal operating range shall be maintained below 6.0 inches of water column).

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
2. The owner/operator shall maintain a record of repairs and maintenance on this equipment and submit it to the District upon request. The record shall be retained for a minimum period of five (5) years.
3. This air pollution control device shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be maintained below 6 inches or water column.
4. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance these conditions.
5. This air pollution control device shall operate concurrently with the loading of the Slurry Lime Injection system storage silo under District Permit B011738.
6. This air pollution control device shall discharge no more than 0.09 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description.  
[MD Rule 1303 – NSR Requirements]
7. This air pollution control device shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

8. This air pollution control device shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
9. The owner/operator shall conduct periodic opacity monitoring per NESHAP Subpart LLL requirements.
10. Unless required by NESHAP Subpart LLL requirements, this equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [MD Rule 1303 – NSR Requirements]

**37. BAGHOUSE - MDAQMD PERMIT; C000984:**

Serving Clinker Cooler Exhaust Gases from Kiln 4-RK-1 under permit No. B001025 and equipment under permit No. B00002138:

4-HE-1 Grate Cooler Exhaust Air Heat Exchange

4-DC-15 thru 37 Kaiser Custom design Multi-baghouse:

2 banks each of 10 units, 15-24; 28-37

A/C ratio 2.1:1

340,000 acfm

165,000 sq. ft. cloth area

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**38. BAGHOUSE - MDAQMD PERMIT; C001338:**

Serving Kiln/Mill System under permit No. B001025:

3-DC-10 through 45 Baghouse, Kaiser Cement Custom Design, multi-baghouse system consisting of 2 banks each 18 units, A/C 1.27:1, total acfm 467,500 at 190 degrees C, cloth area 368,000 sq. ft.

3-FA-59 Reverse Blower, 125 hp

3-FA-60 Reverse Blower, 125 hp

Total hp = 250

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**39. BIO-SOLIDS HANDLING SYSTEM - MDAQMD PERMIT; B004694:**

Capacity (Hp)	Equipment Name
	Hopper for receipt of solids (53 ton capacity)
25.00	Slinger for solids system
125.00	Hydraulic drive unit
50.00	Twin Hopper Screws
5.00	Water injection unit
5.00	Sump Pump

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT

FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate, and maintain all equipment described in this permit in strict accord with the recommendations of the manufacturer or supplier and/or sound engineering principles which produce the minimum emission of air contaminants.
  
2. Materials processed by equipment in this permit shall contain sufficient natural and/or added moisture to ensure compliance with District Rules 401 and 403. Sufficient water and equipment in operable condition shall be maintained on-site and used as necessary to ensure compliance with the above-mentioned rules.

**40. WOOD CHIP SYSTEM; MDAQMD Permit Number B010041:**

Capacity	Equipment Name	Order
125	7-LBF-100 Wood Chip Hopper	1
0	7-CD-100 Wood Chip Conveyor	2
150	7-HU-100 Conveyor and Feeder Power (2 X 75 hp)	3
0	7-SE-100 Wood Separator	4
0	7-FE-100 Wood Feeder	5
600	7-CR-100 (2 X 300 hp) Crusher	6
0	7-TIM-100	7
0	7-BC-100 Wood Conveyor	8
10	7-BC-101 Wood Conveyor	9
0	7-LBF-101 Feeder	10
120	7-HU-101 (2 X 60 hp) Feeder Power	11
10	7-VS-101	12
10	7-SC-101	13
5	7-SC-102	14
10	7-VS-100	15
10	7-SC-100	16
5	7-WF-101	17
20	7-RV-101	18
75	7-AB-101	19
5	7-WF-100	20
20	7-RV-100	21
75	7-AB-100	22

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The o/o shall install, operate and maintain this equipment in strict accord with those

recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.

2. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
3. Conveyors and transfer points shall either be fully covered or the Materials processed shall contain sufficient natural or added moisture to ensure compliance with all applicable District Rules such as those in Regulation IV.
4. A production and operation log shall be maintained current and on-site for two (2) years, and provided to District personnel upon request. This log shall contain, at a minimum:
  - a. Daily tonnage of wood product received;
  - b. Monthly tonnage of wood product received;
  - c. Yearly (Calendar Year) tonnage of wood product received
5. There shall not be any visible emissions associated with this wood handling and processing equipment.
6. Roadways, and work areas shall be kept wetted to control fugitive dust. Equipment to properly wet these areas shall be maintained in operable condition on-site and used as necessary to assure compliance.

**40A. TIRE CHIPPING SYSTEM – MDAQMD PERMIT: B010724:**

Capacity (Hp)	Equipment Name	Order
5	7-LBF-2 Live bottom Bin Feeder (LBF)	1
	7-GA-78 Gate at LBF discharge to control feed rate - Air operated	2
15	7-BC-12 Belt Conveyor at LBF discharge	3
15	7-BC-13 Belt Conveyor after 7-BD-12	4
30	7-BC-14 Main Belt Conveyor	5
	7-BCS-1 Belt Conveyor Scale	6
10	7-CD-5 Steel Chain Drag	7
	7-GA-80 Triple Gate	8

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The o/o shall install, operate and maintain this equipment in strict accord with those

recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.

2. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
3. Conveyors and transfer points shall either be fully covered or the Materials processed shall contain sufficient natural or added moisture to ensure compliance with all applicable District Rules such as those in Regulation IV (401, 402 and 403.2).
4. A production and operation log shall be maintained current and on-site for two (2) years, and provided to District personnel upon request. This log shall contain, at a minimum:
  - a. Daily tonnage of chipped tires received;
  - b. Monthly tonnage of chipped tires received;
  - c. Yearly (Calendar Year) tonnage of chipped tires received
5. There shall not be any visible emissions associated with this chipped tires handling and processing equipment.
6. This facility shall not chip tires for resale or off-site use.
7. Roadways, and work areas shall be kept wetted to control fugitive dust. Equipment to properly wet these areas shall be maintained in operable condition on-site and used as necessary to assure compliance.

**PROCESS: 3A – CLINKER HANDLING & STORAGE**

**41. CLINKER TRANSFER AND INSIDE STORAGE - MDAQMD PERMIT; B000983:**

Capacity (Hp)	Equipment Name
40.00	4-BC-5 Belt Conveyor
25.00	4-BC-6 Belt Conveyor
3.00	4-TT-1 Tripper
	Inside Clinker Storage (Pile)

**PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:**

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001342 (4-DC-14), and C001026 under B002137.
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**42. CLINKER STORAGE DOME - MDAQMD PERMIT; B009582:**

Capacity	Equipment Name
50.00	Air Compressor for Domes, 200 SCFM, with reserve air tank and drain, 4-AC-6
0.00	Air Conditioner for Dome Electrical Room #14, 4-ACU-3
0.00	Pan Conveyor Scale - on 4-DDC-7 after Dome #1, 4-BCS-1
0.00	Pan Conveyor Scale - on 4-DDC-8 after Dome #2, 4-BCS-1
0.00	Dust Collector at Reclaim Pan Conveyors (4-DDC-7 & 8) and Tail Pulley Conveyor (4-DDC-4), 4-DDC-4 discharge, 3000 CFM, 4-DC-53
0.00	Dust Collector at top of Dome #1, 4-DDC-5 discharge, 2600 CFM, 4-DC-49
0.00	Dust Collector at top of Dome #2, 4-DDC-6 discharge, 2600 CFM, 4-DC-50
7.50	Pan Conveyor - from top of 4-SS-4 to Dome #1, 32" wide 320 MTPH, 4-DDC-5
20.00	Pan Conveyor - from top of Dome #1, to Dome #2, 32" wide 320 MTPH, 4-DDC-6
20.00	Pan Conveyor - in Tunnel under Dome #1, to 4-DDC-4, 32" wide 320 MTPH, 4-DDC-7
20.00	Pan Conveyor - in Tunnel under Dome #2, to 4-DDC-4, 32" wide 320 MTPH, 4-DDC-8
1.00	Flow Shutoff Valve at center of Dome #2, 4-FSV-10
0.00	Manual Flow Shutoff Valve under Dome #2, 4-FSV-11
1.00	Flow Shutoff Valve under Dome #2, farthest from 4-SS-4, 4-FSV-12
1.00	Flow Shutoff Valve under Dome #1, closest to 4-SS-4, 4-FSV-3
0.00	Manual Flow Shutoff Valve under Dome #1, 4-FSV-4

Capacity	Equipment Name
1.00	Flow Shutoff Valve at center of Dome #1, 4-FSV-5
0.00	Manual Flow Shutoff Valve under Dome #1, 4-FSV-6
1.00	Flow Shutoff Valve under Dome #1, farthest from 4-SS-4, 4-FSV-7
1.00	Flow Shutoff Valve under Dome #2, closest to 4-SS-4, 4-FSV-8
0.00	Manual Flow Shutoff Valve under Dome #2, 4-FSV-9
0.00	Gate - at discharge of 4-DDC-3, clinker to 4-SS-4, 4-GA-146
0.00	Gate - at discharge of 4-DDC-3, clinker to 4-DDC-5, 4-GA-147
0.00	Isolation Gate for 4-DC-49 dust collector air from 4-DDC-6 tail, 4-GA-148
0.00	Gate at discharge of 4-DDC-5, clinker to Dome #1, 4-GA-149
0.00	Gate at discharge of 4-DDC-5, clinker to 4-DDC-6, 4-GA-150
0.00	Gate at top of 4-SS-4, dedust line for Tail of 4-DDC-5, 4-GA-151
1.00	Hoist - Motorized Trolley at top of Dome #2, 4-HO-10
7.50	Hoist - Motorized Trolley at 4-DDC-5 Tower, lift, 4-HO-8
0.5	Hoist - Motorized Trolley at 4-DDC-5 Tower, travel, 4-HO-8
1.00	Hoist - Motorized Trolley at top of Dome #1, 4-HO-9
0.00	Storage Dome #1 Type II clinker, 4-SD-1
0.00	Storage Dome #2 Type III clinker, 4-SD-2
0.00	Dome Electrical Room #14, ER-14

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained according to the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits.
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.
4. The owner/operator (o/o) shall limit the annual process throughput to 800,000 tons per year. Records of monthly and yearly throughput shall be kept.
5. Once the construction of this permit unit is completed, there will be no outside clinker storage other than the existing storage areas connected to B1034 and B1035, except under emergency conditions.

6. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C009583 (4-DC-49), C009585 (4-DC-50), and C009587 (4-DC-53).
7. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

**43. DUST COLLECTOR FOR CLINKER DOME (4-DC-49) - MDAQMD PERMIT; C009583:**

Industrial Accessories Co. Model No. 96TB-BHT-64:S6 baghouse with 838 sq. ft. cloth area provided by 64-96" lg. 16 oz. polyester bags, 2,600 dscfm, 3.10:1 air to cloth ratio, top bag removal, side mounted Twin City fan CW-BH, 20 H.P., TEFC, 1800 RPM, 3-60-480V Motor.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector according to the recommendations of the manufacturer/supplier, and sound engineering principles.
2. The o/o shall install and maintain a device which measures the pressure differential across the bags.
3. This baghouse shall discharge no more than 0.22 lb/hour at a maximum concentration of 0.01 gr/dscf.
4. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
6. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.

**44. DUST COLLECTOR FOR CLINKER DOME (4-DC-50) - MDAQMD PERMIT; C009585:**

Industrial Accessories Co. Model No. 96TB-BHT-64:S6 baghouse with 838 sq. ft. cloth area provided by 64 – 96” lg. 16 oz. polyester bags, 2,600 dscfm, 3.10:1 air to cloth ratio, top bag removal, side mounted Twin City fan CW-BH, 20 H.P., TEFC, 1800 RPM, 3-60-

480V Motor.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector according to the recommendations of the manufacturer/supplier, and sound engineering principles.
2. The o/o shall install and maintain a device which measures the pressure differential across the bags.
3. This baghouse shall discharge no more than 0.22 lb/hour at a maximum concentration of 0.01 gr/dscf.
4. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
6. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.

**45. DUST COLLECTOR FOR CLINKER DOME (4-DC-53) - MDAQMD PERMIT; C009587:**

Mikropul Pulsaire Model 1-F-2 style baghouse, equipped with a 30 hp fan generating 5,000 dscfm (air to cloth ratio of 3.57:1) and a cloth area of 1,399 sq ft.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector according to the recommendations of the manufacturer/supplier, and sound engineering principles.
2. The o/o shall install and maintain a device which measures the pressure differential across the bags.
3. This baghouse shall discharge no more than 0.43 lb/hour at a maximum concentration of 0.01 gr/dscf.

4. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
6. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.

**46. BAGHOUSE - MDAQMD PERMIT; C001342:**

Serving Clinker Cooler Transfer from Cooler or 4-SS-4 storage via 4-BC-5 and 6 to storage under permit No. B000983 and equipment under permit No. B001032:  
4-DC-14 Baghouse, DCE Vokes model DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft.  
4-FA-99 Blower, 5.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**47. STORAGE – CLINKER BIN - MDAQMD PERMIT; T001031:**

79,000 gallons - 4-SS-5 Clinker Bin, 717 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,

40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C001029 (4-DC-12).

**48. BAGHOUSE - MDAQMD PERMIT; C001029:**

Serving Clinker to Storage Bin 4-SS-5 via 4-BC-2 and 3 under permit No. T001031 and equipment under permit Nos. B000975, B001032, and T002096:

4-DC-12 Baghouse, Zurn pulse jet model ZJ-144-8, A/C ratio 4.9:1, 3,000 acfm, cloth area 714 sq. ft.

4-FA-71 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**49. STORAGE – CLINKER - MDAQMD PERMIT; T002094:**

4-SS-7 Clinker Silo, 2,500 tons

4-SS-8 Clinker Silo, 2500 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permits C000999 (4-DC-45) under B001032.

**50. STORAGE – GYPSUM - MDAQMD PERMIT; T002096:**

- 5-SS-2 Gypsum Bin, 77 tons
- 5-SS-6 Gypsum Silo, 2,500 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Bin 5-SS-2 shall not receive incoming material unless it is vented to air pollution control equipment in operation under valid District permit C001029 (4-DC-12) under T001031 and C000999 under B001032.
2. Silo 5-SS-6 shall not receive incoming material unless it is vented to air pollution control equipment in operation under valid District permit C000999 (4-DC-45) under B001032.

**51. SILO, LIMESTONE - MDAQMD PERMIT; T010019:**

Capacity	Equipment Description
50.0	5-SS-19 Limestone silo, 300 tons, 50,000 gallons
	5-GA-52 Diverter gate into 5-SS-19
	5-GA-53 Cut off gate at 5-SS-19 discharge
	5-WF-18 Weigh feeder at discharge of 5-SS-19 with 0.75 hp motor
	5-CD-7 Clean out drag conveyer underneath 5-WF-18 with 0.75 hp motor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silo 5-SS-19 shall not receive incoming material unless it is vented to air pollution control equipment in operation under valid District permit C001029 (4-DC-12) under T001031.

**52. TANK - CLINKER HOLDING SYSTEM - MDAQMD PERMIT; T002228:**

For Kiln Emergency Bypass Clinker.

Capacity (Gallons)	Equipment Name
	4-GA-19C Clinker Bypass Gate on 3-way chute, 1 hp
	4-CD-2 Drag Conveyor to 4-SS-2, 15 hp
48,930	4-SS-2 Clinker Holding Gate
	Tank Discharge Gate

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permit No. C002229.

**53. BAGHOUSE - MDAQMD PERMIT; C002229:**

Serving Clinker Holding Tank under permit T002228:

4-DC-47 Baghouse, Dust Collector Fabricmax model FJBW 64-8, Pulse Jet, A/C ratio 5.8:1, 3,500 acfm at 212 degrees F, cloth area of 603 sq. ft.; stack 14" dia. x 53'  
 4-FA-47 Fan, Exhaust, 20 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**54. CLINKER LOADOUT SYSTEM - MDAQMD PERMIT; T001030:**  
 8,300 gallons - 4-SS-3 Kiln Dust Bin

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C002782 (4-DC-46).
2. When point of discharge of product is not picked up by C002782 materials processed shall contain sufficient natural moisture to ensure compliance with Rules 401, 402, and 403.

**PROCESS: 4- GYPSUM & ADMIX FOR FINISH MILLS #1 & #3**

**55. GYPSUM UNLOADING - MDAQMD PERMIT; B001859:**

Capacity (Hp)	Equipment Name
	5-SS-21 Gypsum Hopper, 18 tons
10.00	5-BC-20 Belt Conveyor
25.00	5-BE-17 Bucket Elevator
15.00	5-BC-21,22 Bucket Conveyors, 7.5 hp ea.
30.00	5-BC-23,24 Bucket Conveyors, 15 hp ea.
2.00	5-SC-25 Screw Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit's C000976 (5-DC-20).
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this

equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**56. BAGHOUSE FOR ADMIX STORAGE (5-DC-23) - MDAQMD PERMIT; C003209:**

Serving Admix Storage conveyers 5-BC-23 and 5-BC-24. Flex-Kleen, manufactured by Research-Cottrell, model 84-WRTC-64 (III) with the following parameters/design criteria:

- A. 5-DC-23. 4,000 acfm are drawn through the bags at -8.0 in w.g. operating pressure (design pressure is 17 in w.g., maximum) at a maximum temperature of 400 degrees F, by an electric motor driven fan (5-FA-23) rated at 10 hp.
- B. The A/C ratio is 5.9:1 and the total cloth area is 678 ft<sup>2</sup>.
- C. Dust accumulation is sequentially timed for compressed air blowing of the bags, which are woven fiber-glass.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

- 1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
- 2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
- 3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
- 4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
- 5. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to

semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

6. This baghouse shall operate concurrently with the equipment listed in District permit No. T002095 and be operated when previously mentioned conveyor belts are receiving and/or discharging material.

**57. STORAGE – GYPSUM/CLAY - MDAQMD PERMIT; T002139:**

For Transfer to Finish Mills 1 and 3.

Equipment Name
5-SS-11A Gypsum Bin, 500 tons
5-SS-12A Clay Bin, 500 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall be in operation in accordance with the manufacturers specifications concurrently with the equipment described in valid District permit B001859, control C000976 (5-DC-20).

**58. SILO – STORAGE FOR ADDITIVES - MDAQMD PERMIT; T002095:**

Gypsum Clay for Dry or Wet Raw

Equipment Name
5-SS-7 Silo, 175 tons
5-SS-8 Silo, 175 tons
5-SS-9 Silo, 100 tons
5-SS-10 Silo, 175 tons
5-SS-11 Silo, 75 tons
5-SS-12 Silo, 100 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Materials processed shall contain sufficient natural/added moisture to assure compliance with Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used to assure compliance.
2. If materials are dry, this tankage shall not be filled nor emptied unless it is vented to air pollution control equipment that is operating as per valid District permit C003209 (5-DC-23) under B001859.

**59. SILO – STORAGE; MDAQMD PERMIT; T002092:**  
 Gypsum and ADMX for use in Finish Mills or Wet Raw Mills

Equipment Name
5-SS-13 Silo, 200 tons
5-SS-14 Silo, 100 tons
5-SS-15 Silo, 100 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Materials processed shall contain sufficient natural/added moisture to ensure compliance with Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.
2. If materials are dry, this tankage shall not be filled nor emptied unless it is vented to air pollution control equipment that is operating as per valid District permit C003209 (5-DC-23) under B001859.

**60. GYPSUM UNLOADING TO STORAGE - MDAQMD PERMIT; B000975:**

Capacity (Hp)	Equipment Name
	5-SS-1 Hopper, 25 tons

Capacity (Hp)	Equipment Name
100.00	5-BC-1 Belt Conveyor
15.00	5-BC-2 Belt Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000999 (4-DC-45) under B001032, C001029 (4-DC-12) under T001031, and C002785 (5-DC-15A & B).

**61. BAGHOUSE - MDAQMD PERMIT; C002785:**

Serving Gypsum Unload to Storage under permit B000975:

Gypsum Dump Hopper Enclosure

5-DC-15A - Baghouse, A/C ratio 4.5:1, 13,000 acfm

5-DC-15B - Baghouse, A/C ratio 4.5:1, 13,000 acfm

5-FA-15A - Blower, 50 hp

5-FA-15B - Blower, 50 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**PROCESS: 5 – FINISH MILLS #1, #2, #3 & #4**

**62. MILL NO. 1 - FINISH (5-FM-1) SYSTEM - MDAQMD PERMIT; B001034:**

Capacity (Hp)	Equipment Name
1.50	5-WF-3,5,7 Weigh Feeders, 3 @ 0.5 hp ea
3.00	5-BC-10 Belt Conveyor
10.00	5-BC-11,12 Belt Conveyors, 2 @ 5 hp ea
	4-SS-9 Clinker Bin (inside), 400 tons
10.00	5-CD-4 Drag Conveyor
0.50	5-WF-14,15 Weight Feeders, 2 @ 0.25 hp ea
5.00	5-BC-12 Belt Conveyor
0.33	5-WF-17 Weigh Feeder
1.00	5-SC-21 Screw Conveyor
5.00	5-AB-11 Air Blower for 5-AS-11,12,23,24,25
15.00	5-AB-10 Air Blower for 5-AS-10
200.00	5-AC-14 Air Compressor
1500.00	5-MD-10 Motor Drive for 5-FM-1 Mill
25.00	5-MG-10 Generator for FM-1 Mill
1.00	5-FA-13 Air Cooling Fan
15.00	5-BE-10 Bucket Elevator
20.00	5-BE-11 Bucket Elevator
100.00	5-SE-1 Air Separator
60.00	5-CO-10 Cement Cooler
150.00	5-FK-10 Fuller Pump
5.00	5-SC-8 Screw Conveyor
5.00	5-SC-10 Screw Conveyor
1.00	5-SC-22 Screw Conveyor
2.00	5-SC-23 Screw Conveyor
2.00	5-SC-24 Screw Conveyor
1.00	5-RV-9 Rotary Valve

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,

40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000961 (5-DC-10), C000995 (5-DC-9), and C000998 (5-DC-8).
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**63. BAGHOUSE - MDAQMD PERMIT; C000961:**

Serving 5-FM-1 discharge and transfer of product under permit No. B001034:  
5-DC-10 Baghouse, Mikro Pulsaire model80-F-4, A/C ratio 4.29:1, 15,000 acfm,  
cloth area 3,497 sq. ft. 5-FA-10 Blower, 75 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**64. BAGHOUSE - MDAQMD PERMIT; 000995:**

Serving 5-FM-1 product intermediate transfer to storage, under permit No. B001034:  
5-DC-9 Baghouse, Mikro Pulsaire model 1-F-1, A/C ratio 7.15:1, 5,000 acfm, cloth

area 700 sq. ft.  
5-FA-9 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**65. BAGHOUSE FOR FM 2 FINISH MILL (5-DC-6,7) - MDAQMD PERMIT; C001000:**

Two dust collector baghouse's, serving finish mill 5-FM-2 through cyclones 5-CY-6,7 under permit B001036. The two dust collectors are ducted together (in parallel):  
5-DC-6, 7 Baghouse's, Northern Blower model AT, A/C ratio 1.04:1, 20,000 dscfm, cloth area 9,803 sq. ft. for 5-DC-6 and 9,495 sq. ft for 5-DC-7.  
5-FA-6 Blower, 100 hp  
5-FA-7 Blower, 100 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five

years.

3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. This baghouse shall discharge no more than 1.71 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.
6. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
7. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
8. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.
9. The o/o shall conduct an initial PM source test per MDAQMD requirements using USEPA Method 5.
10. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.
11. Within 90 days of updated permit issuance, the o/o shall perform an initial compliance test on this unit. This test shall demonstrate that this equipment is capable of operating in compliance with the emission limits specified above.

**66. MILL NO. 3 - FINISH (5-FM-3) SYSTEM - MDAQMD PERMIT; B001035:**

Capacity (Hp)	Equipment Name
	4-SS-10 Clinker Bin (inside storage) 480 tons
0.50	5-WF-10 Weigh Feeder
2.00	5-WF-11 Weigh Feeder
0.25	5-WF-13 Weigh Feeder
0.50	5-WF-18 Weigh Feeder
10.00	5-CD-5 Drag Conveyor

Capacity (Hp)	Equipment Name
5.00	5-SC-20 Screw Conveyor
1500.00	5-MD-12 Motor Drive for 5-FM-3 Mill
25.00	5-MG-12 Generator for FM-3 Mill
1.00	5-FA-14 Air Cooling Fan
25.00	5-BE-15 Bucket Elevator
20.00	5-BE-16 Bucket Elevator
5.00	5-AB-13 Air Blower for 5-AS-19, 20, 21, 22
5.00	5-SC-19 Screw Conveyor
125.00	5-SE-3 Air Separator
50.00	5-CO-13 Cement Cooler
125.00	5-FK-12 Fuller Pump
200.00	5-AC-13 Air Compressor
5.00	5-SC-15 Screw Conveyor
7.50	5-BC-13 Belt Conveyor
3.00	5-SC-16 Screw Conveyor
0.50	5-RV-11 Rotary Valve

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000965 (5-DC-11) and C001469 (5-DC-12).
3. All covers, lids, gaskets, etc. shall be in place at all times during operation of this equipment and shall be maintained to assure proper fit to minimize fugitive dust.

**67. BAGHOUSE - MDAQMD PERMIT; C000965:**

Serving 5-FM-3 feed and discharge transfer, including recycle, via 5-BE-15, 16, under permit No. B001035:  
 5-DC-11 Baghouse, Mikro Pulsaire model 1-F-1, A/C ratio 7.15:1, 5,000 acfm, cloth area 700 sq. ft.  
 5-FA-11 Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**68. BAGHOUSE - MDAQMD PERMIT; C000998:**

Serving Clinker/Gypsum feed to 5-FM-1 via 5-SC-23 and 5-BC-10, under permit No. B001034 and equipment under permit No. B001036:  
5-DC-8 Baghouse, Mikro Pulsaire model 1-F-1-C, A/C ratio 7.87:1, 15,000 acfm, cloth area 1,904 sq. ft.  
5-FA-8 Blower, 50 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal

design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**69. BAGHOUSE - MDAQMD PERMIT; C001469:**

Serving 5-FM-3 discharge port via 5-CY-12 and collected by 5-FK-12 under permit No. B001035: 5-DC-12 Baghouse, 4-unit, Rees Blowpipe model 80-F, A/C ratio 1.98:1, 11,000 acfm, cloth area 5,552 sq. ft. 5-FA-12 Blower, 100 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**70. MILL NO. 4 - FINISH (5-FM-4) SYSTEM - MDAQMD PERMIT; B001033:**

Capacity (Hp)	Equipment Name
4.00	5-WF-1,2 Weigh Feeders, 2 @ 2 hp ea.
1.00	5-CD-2 Drag Conveyor
20.00	5-CD-3 Drag Conveyor
50.00	5-BE-1 Bucket Elevator
4000.00	5-MD-1 Motor Drive for 5-FM-4 Mill
30.00	5-ID-1 Inching Drive

Capacity (Hp)	Equipment Name
30.00	5-AB-3 Air Blower for 5-AS-1,2,3,4,5
30.00	5-BE-2 Bucket Elevator
	5-CY-1 Cyclone
250.00	5-SE-6 Mechanical Separator
125.00	5-CO-1 Cement Cooler
250.00	5-FK-1 Fuller Pump
250.00	5-AC-1 Air Compressor
300.00	5-AC-2 Air Compressor
5.00	5-SC-2 Screw Conveyor
500.00	5-FA-3 Draft Fan
5.0	5-RV-3 Rotary Feeder

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
  2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001037 (5-DC-2), C001044 (5-DC-1), and C009579 (5-DC-3).
  3. The owner/operator (o/o) shall limit the annual process throughput to 1,138,800 tons per year. Records of monthly and yearly throughput shall be kept.
  4. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
- 71. BAGHOUSE FOR FINISH MILL NO. 4 (5-DC-2) - MDAQMD PERMIT; C001037:**  
 Serving 5-FM-4 for all transfer points of product discharge and also 5-BE-1 at feed, under permit No. B001033: 5-DC-2 Baghouse, Zurn model ZP-546-10, A/C ratio 2.92:1, 24,000 dscfm, cloth area 8,215 sq. ft. 5-FA-2 Blower, 75 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of 5 years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. This baghouse shall discharge no more than 1.71 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.
6. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
7. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
8. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.
9. The o/o shall conduct an initial PM source test per MDAQMD requirements using USEPA Method 5.
10. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.
11. Within 90 days of updated permit issuance, the o/o shall perform an initial compliance test on this unit. This test shall demonstrate that this equipment is capable of operating in compliance with the emission limits specified above.
72. **OSEPA DUST COLLECTOR FOR FINISH MILL NO. 4 (5-DC-3) - MDAQMD PERMIT; C009579:**  
Serving 5-FM-4 separator: 5-DC-3 Baghouse, FLS AirTech model 2M7565(12) 6, with 1,512 bags @ 6" by 12' in size, A/C ratio 2.63:1, 75,000 dscfm, cloth area 28,501 sq. ft. 5-FA-3 Blower, 500 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be provided with a differential pressure measuring device.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. This baghouse shall discharge no more than 3.21 pounds per hour of PM10 at a maximum concentration of 0.005 gr/dscf.
5. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
7. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
8. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.
9. The o/o shall conduct an initial PM source test per MDAQMD requirements using USEPA Method 5.
10. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.
11. Within 90 days of updated permit issuance, the o/o shall perform an initial compliance test on this unit. This test shall demonstrate that this equipment is capable of operating in compliance with the emission limits specified above.
- 73. BAGHOUSE - MDAQMD PERMIT; C001044:**  
Serving Materials Supply and Feed to 5-FM-4 under permit B001033:  
5-DC-1 Blower, Zurn model ZJ-144-8, A/C ratio 2.88:1, 5,000 acfm, cloth area

1,744 sq. ft. 5-FA-1 Blower, 25 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**74. FINISH MILL NO. 2 SYSTEM (5-FM-2) – MDAQMD PERMIT; B001036**

Capacity (Hp)	Equipment Name
5.50	5-WF-4, 6, 8 Weigh Feeders @ 1.5, 2 and 2 hp respectively
5.00	5-BC-14 Belt Conveyor
50.00	5-SC-27 Screw Conveyor
4,400.00	5-MD-11 Motor Drive for the Mill
25.00	5-MG-11 Generator for Mill
15.00	5-FA-11 Air Fan
15.00	5-AB-12 Air Blower for 5-AS-13, 14, 15, 16, 17, and 18.
0.00	5-CY-6 and 7: Cyclones
7.50	5-SC-13 Screw Conveyor
50.00	5-BE-12 Bucket Elevator
40.00	5-BE-13 Bucket Elevator
600.00	5-SE-2 Air Separator
60.00	5-CO-11 Cement Cooler
60.00	5-CO-12 Cement Cooler

Capacity (Hp)	Equipment Name
200.00	50FK-11 Fuller Pump
200.00	5-AC-15 Air Compressor
200.00	5-AC-16 Air Compressor
5.00	5-SC-31 Screw Conveyor
10.00	5-SC-32 Screw Conveyor
2.00	5-SC-14 Screw Conveyor
3.00	5-SC-11 Screw Conveyor
3.00	5-SC-12 Screw Conveyor
150.00	5-SE-01 O-SEPA Separator, (New in 1998 per application 98001627)

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. All covers, lids, gaskets and other devices and/or equipment which ensures this system's air tight integrity shall be maintained to preclude and/or minimize fugitive particulate emissions.
  2. This system shall not be operated unless it is vented wholly to the following particulate emissions controls, which are operating under valid District permits: C001000 (5-DC-6 & 7); C000998 (5-DC-8, which controls equipment under District permit number B001034) and C005164 (5-DC-24) (installed in 1998).
  3. The owner/operator (o/o) shall limit the annual process throughput to 963,600 tons per year. Records of monthly and yearly throughput shall be kept.
  4. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
- 75. BAGHOUSE – MDAQMD PERMIT; C000976:**  
 Serving Gypsum unloading to Bins 5-SS-11, 12, 13, 14, 15 for Mills 1 & 3, under permit No. B001859 and equipment under permit No. T002139: 5-DC-20 Baghouse, Flex-Kleen Pulse Jet Baghouse, A/C ratio 4.9:1, @ 6,000 acfm - model 120-WRBS - 80 ARR III. 5-FA-20 Blower, Fan model 294 GI/20 ARR9 - Belt Driven, 20 hp.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION =

07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**76. BAGHOUSES – MDAQMD PERMIT; C001028:**

Alkali Dust Bypass System for B001984: 4-DC-4 thru 10. Kaiser Cement Design of 7 baghouse's, 1.66: A/C ratio, with 7 blowers of 50 hp ea @13,000 acfm ea. and a 100 hp reverse air blower.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**77. OSEPA BAGHOUSE FOR FINISH MILL NO. 2 (5-DC-24) - MDQMD PERMIT; C005164:**

Model 975512, with bags that are 6 in of diameter, 12 ft long and are 975 in number. A fan rated at 350 hp draws air at a rate of 61,000 dscfm through the bags with an air to cloth ratio of 3.32 to 1.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator, (o/o), shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
2. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
3. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
4. This baghouse shall operate concurrently with Finish Mill No. 2 System (5-FM-2) under valid District permit number B001036.
5. This baghouse shall discharge no more than 2.61 pounds per hour of PM10 at a maximum concentration of 0.005 gr/dscf.
6. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
7. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
8. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.
9. The o/o shall conduct an initial PM source test per MDAQMD requirements using USEPA Method 5.
10. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.
11. Within 90 days of updated permit issuance, the o/o shall perform an initial compliance

test on this unit. This test shall demonstrate that this equipment is capable of operating in compliance with the emission limits specified above

**PROCESS: 5A – ROLLER PRESS SYSTEM FOR CLINKER**

**78. FINISH MILL NO. 4 ROLLER PRESS SYSTEM FOR CLINKER TO 5-FM-4 FINISH GRINDING - MDAQMD PERMIT; B002405:**

Capacity (Hp)	Equipment Name
3.00	5-BC-41 Belt Conveyor, 30" x 38'6"
15.00	5-BE-41 Bucket Elevator, 2' x 54'6"
5.00	5-BC-42 Belt Conveyor, 36" x 43'
1.00	5-MGC-1 Magnet Catcher, 24" x 4'
1200.00	5-RP-1 (a) Roller Press, 1150 mm dia. X 630 mm W, dual motor drive @ 600 hp ea.
2.00	5-RP-1 (b) Oil Pump for tear reducer, 2 @ 1 hp ea.
0.40	5-RP-1 (c) Grease Pump for bearing
3.00	5-RP-1 (d) Hydraulic Oil Pump
5.00	5-BC-43 Belt Conveyor, 30" x 35'
20.00	5-BE-42 Bucket Elevator, 2' x 35'
2.00	5-BE-42 (a) Screw Conveyor, Dust Return
1.00	5-RV-41 Rotary Valve on Dust Return

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C002406 (5-DC-41).
3. The owner/operator (o/o) shall limit the annual process throughput to 1,138,800 tons per year. Records of monthly and yearly throughput shall be kept.
4. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

**79. BAGHOUSE FOR FM 4 ROLL PRESS (5-DC-41) - MDAQMD PERMIT;C002406:**

Serving Roller Press System for Clinker to 5-FM-4 Finish Grinding under permit B002405: 5-DC-41 Baghouse, A/C ratio 4.61:1, 10,600 acfm at 24: WG, temp. 110 degrees F, cloth area of 2,300 sq. ft.; stack 24" dia. x 26'. Pickup points: discharge of 5-BE-42, discharge of 5-BE-41, discharge of Belt 5-BC-42, Roller Press 5-RP-1 5-FA-41 Fan, drawing 5-F-108C, 40 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of 5 years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. This baghouse shall discharge no more than 0.91 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.
6. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
7. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity
8. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.
9. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.

**80. GYPSUM SILO TI BIN STORAGE - MDAQMD PERMIT; B001858:**

Via Flop Gate 5-GA-19 for FM-1

Capacity (Hp)	Equipment Name
5.00	5-SC-26 Screw Conveyor
40.00	5-FK-13 Fuller Pump
	5-GA-19 Flop Gate
	5-SS-17 Gypsum Bin, 66 tons
	5-AC-17 Air Compressor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000972 (5-DC-17), C000996 (5-DC-16) under T000971, and C001001 under B001983.

**81. BAGHOUSE - MDAQMD PERMIT; C000972:**

Serving Fly Ash Silo 5-SS-17 (which serves 5-FM-1), supplied by 5-FK-13, under permit No. B001858 and equipment under permit No. B001938:  
 5-DC-17 Baghouse, Mikro Pulsaire model 16S-8-30, A.C ratio 14.8:1, 2,300 acfm, cloth area 155 sq. ft.  
 5-FA-17 Blower, 1.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.

3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**82. BAGHOUSE - MDAQMD PERMIT; C000996:**

Serving Fly Ash truck unload to 5-SS-16 silo under permit No. T000971 and equipment under permit Nos. B001858 and B001983:  
5-DC-16 Baghouse, Mikro Pulsaire model 16S-8-30, A/C ratio 6.17:1, 960 acfm, cloth area 155 sq. ft.  
5-FA-16 Blower, 2 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**83. RAW MATERIALS SILOS - MDAQMD PERMIT; T000971:**

To Silo Storage:  
5-VB-6, 7 Vibrators, Line to Silo  
5-SS-16 Raw Material Silo, 850 tons, 102,000 gallons  
5-SS-17 Gypsum Silo, 66 tons, 7,920 gallons  
5-SS-18 Gypsum Silo, 66 tons, 7,920 gallons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C000996 (5-DC-16).

**84. FLY ASH SILO TRANSFER TO BIN STORAGE VIA FLOP GATE 5-GA-19 FOR FM-3 USAGE - MDAQMD PERMIT; B001983:**

Capacity (Hp)	Equipment Name
	5-SC-26 Screw Conveyor (included in B001858)
	5-FK-13 Fuller Pump (included in B001858)
	5-GA-19 Flop Gate (to direction 18)
	5-SS-18 Fly Ash Bin, 66 tons
60.00	5-AC-18 Air Compressor
0.50	5-RV-18 Rotary Valve

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000972 (5-DC-17) under B001858, C000996 (5-DC-16) under T000971, C001001 (5-DC-18).

**85. BAGHOUSE - MDAQMD PERMIT; C001001:**

Serving Fly Ash via 5-FK-13 to Fly Ash silo 5-SS-18 (serving 5-FM-3), under permit No. B001983 and equipment under permit No. B001858:  
 5-DC-18 Baghouse, Mikropul model 16S-8-30, A/C ratio 7.15:1, 5,000 acfm, cloth area 700 sq. ft.  
 5-FA-18 Blower, 5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,

40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**PROCESS: 6 – CEMENT PACKING & SILO – UNITS #1, #2 & #3**

**86. UNIT NO. 1 - CEMENT PACKING - MDAQMD PERMIT; B000993:**

Capacity (Hp)	Equipment Name
3.00	6-AB-14 Air Blower for Slide 6-AS-41
3.00	6-AB-20 Air Blower for Material Trap 6-MT-2
20.00	6-BE-6 Bucket Elevator
20.00	6-BE-7 Bucket Elevator
3.00	6-BE-10 Bucket Elevator
1.00	6-SC-1 Screw Conveyor
	6-SS-41 Cement Bin, 75 tons
40.00	6-CP-1 Cement Packing Unit No. 1
3.00	6-SC-4 Screw Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.

2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C001464 (6-DC-4).

**87. BAGHOUSE - MDAQMD PERMIT; C001464:**

Serving Cement Packer 6-Cp-1 and Bin 6-SS-41 under permit B000993:  
 6-DC-4 Baghouse, Pangborn model 66, A/C ratio 1.63:1, 9,000 acfm, cloth area  
 5,510 sq. ft.  
 6-FA-4 Blower, 25 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**88. CEMENT TRUCK LOADOUT NO. 1 – STATION - MDAQMD PERMIT; B001871:**

Capacity (Hp)	Equipment Name
2.00	6-AB-11 Air to Slide 6-AS-50
2.00	6-AB-17 Air to Material Trap 6-MT-4
7.50	6-AB-13 Air to Slides 6-AS-42,44,45
2.00	6-AB-31 Air to Pads 6-AP-61-64
2.00	6-AB-18 Air to Material Trap 6-MT-5
25.00	6-BE-4 Bucket Elevator

Capacity (Hp)	Equipment Name
	6-SS-61-64 Cement Bins, 4 @ 50 tons ea.
	6-SS-60 Cement Bins, 200 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001465 (6-DC-21), C001808 (6-DC-5) under T001869, C001809 (6-DC-12) under T001869.

**89. BAGHOUSE - MDAQMD PERMIT; C001465:**

Serving Truck Cement Loadout at No. 1 Station via 6-SS-60 to 6-LS-1 under permit B001871: 6-DC-21 Baghouse, Rees Blowpipe model 480N, A/C ratio 0.4:1, 200 acfm, cloth area 496 sq. ft. 6-FA-21 Blower, 5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**90. UNIT NO. 2 - CEMENT PACKING - MDAQMD PERMIT; B001866:**

Capacity (Hp)	Equipment Name
3.00	6-AB-21 Air Blower for Slide 6-AS-40
15.00	6-BE-8 Bucket Elevator
3.00	6-BE-9 Bucket Elevator
1.50	6-SC-2 Screw Elevator
	6-SS-42 Cement Bin, 75 tons
30.00	6-CP-2 Cement Packing, Unit No. 2
3.00	6-SC-3 Screw Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001463 (6-DC-3).

**91. BAGHOUSE - MDAQMD PERMIT; C001463:**

Serving Cement Packer 6-CP-2 and Bin 6-SS-42 under permit No. B001866:  
 6-DC-3 Baghouse, Pangborn model 66, A/C ratio 1.63:1, 9,000 acfm, cloth area 5,510 sq. ft. 6-FA-3 Blower, 25 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.

3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**92. CEMENT TRUCK LOADOUT NO. 2 – STATION - MDAQMD PERMIT; B001872:**

Capacity (Hp)	Equipment Name
2.00	6-AB-10 Air to Slide 6-AS-50
2.00	6-AB-19 Air to Material Trap 6-MT-6
7.50	6-AB-12 Air to Slides 6-AS-46,47,48
3.00	6-AB-32 Air to Air Pads 6-AP-65-68
30.00	6-BE-2 Bucket Elevator
	6-SS-65-68 Cement Bins, 4 @ 50 tons ea.
	6-SS-69 Cement Bins, 200 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001466 (6-DC-22), C001808 (6-DC-5) under T001869, and C001809 (6-DC-12) under T001869.

**93. BAGHOUSE - MDAQMD PERMIT; C001466:**

Serving Truck Cement Loadout at No. 2 Station via 6-SS-69 to 6-LS-2 under permit No. B001872: 6-DC-22 Baghouse, Rees Blowpipe model 480N, A/C ratio 0.4:1, 200 acfm, cloth area 469 sq. ft. 6-FA-21 Blower, 5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION =

07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**94. UNIT NO. 3 – CEMENT PACKING - MDAQMD PERMIT; B001985:**

Capacity (Hp)	Equipment Name
	6-AS-43 Air Slide
	6-FSV-43 Valve
	6-SS-43 Cement Bin, 25 tons
	6-SS-45 Cement Bin, 25 tons
5.00	6-AB-28 Blower
	6-AP-5 Aerator
30.00	6-CP-3 Twin Packing Unit No. 3
	6-FSV-45 Valve
	6-CY-2 Cyclone

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C001462 (6-DC-2).

**95. BAGHOUSE - MDAQMD PERMIT; C001462:**

Serving Fabric Dust Collector for Packet Bin 6-SS-43 and 45 under permit No. B001985: 6-DC-2 Baghouse, Sly model 6 x 3685 sq. ft. cloth area, 2,000 acfm, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**96. CEMENT TRUCK LOADOUT, BLOCK CEMENT- MDAQMD PERMIT; B002109:**

Capacity (Hp)	Equipment Name
	6-GA-70 Gate from Bucket Elevator 6-BE-6
	6-AS-70 Air Slide
75.00	6-AC-10 Air Compressor, transfer from Silo 6-SS-32 to Block Storage Silo 6-SS-33
	6-RV-33 Rotary Valve, air operated
0.50	6-LS-8 Loading Spout to Truck

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permit C002111 (6-DC-24).
3. The owner/operator (o/o) shall limit the annual process throughput to 1,489,200 tons per year. Records of monthly and yearly throughput shall be kept.
4. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

**97. BAGHOUSE (6-DC-24) - MDAQMD PERMIT; C002111:**

Serving Truck Loadout Station No. 3 under permit No. B002109:

6-DC-24 Baghouse, Mikro Pulsaire Modular, model 1F1, serial No. 71-H-1823, A/C ratio 7.0, 4,000 acfm at 70 degrees F, stack 4.5' dia. X 51'H, 72 8' polypropylene (HCE) bags 6-FA-23, Blower, 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of 5 years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. This baghouse shall discharge no more than 0.34 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.

6. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
7. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
8. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.
9. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.

**98. SILO - CEMENT STORAGE AND TRANSFER FOR CEMENT TRUCK LOADOUT STATION NO. 3 - MDAQMD PERMIT; T002110:**

For Cement Truck Load out Station No. 3.

Capacity	Equipment Name
56000.00	6-SS-31 Load Vessel
28080.00	6-SS-32 Halliburton Pressure Vessel
138667.00	6-SS-33 Plastic Storage Silo, 100 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permit C002111 (6-DC-24) under B002109.
3. The owner/operator (o/o) shall limit the annual process throughput to 1,489,200 tons per year. Records of monthly and yearly throughput shall be kept.
4. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

**99. CEMENT UNLOAD EQUIPMENT - MDAQMD PERMIT; B002089:**  
 Silo Conglomerate

Capacity (Hp)	Equipment Name
30.00	6-AB-1 Air Blower for 6-AS-4,5,9,10,11,12,31,32,33,34,35
30.00	6-AB-2 Air Blower for 6-AS-4,5,9,10,11,12,31,32,33,34,35
100.00	6-AB-3 Air Blower 6-AS-13,14,15,16,36,37
5.00	6-AB-4 Air Blower 6-AS-1,3,5,30
3.00	6-AB-5 Air Blower 6-AS-2
50.00	6-AB-6 Air Blower 6-AS-2
10.00	6-AB-7 Air Blower 6-AS-7
10.00	6-AB-8 Air Blower 6-AS-17
50.00	6-AB-9 Air Blower 6-AS-18

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001808 (6-DC-5) under T001869 and C001809 (6-DC-12) under T001869.

**100. STORAGE – CEMENT - MDAQMD PERMIT; T001869:**

Capacity	Equipment Name
753600.00	Silos 1, 2, 3, 4 - Four @ 188,400 gal. ea.; Control: C001808
173550.00	Silo 5; Control: C001808
1318800.00	Silos 6,7,8,9,10,11,12 - Seven @ 188,400 gal. ea.; Control: C001808
718500.00	Silos 13, 14, 15 - Three @ 239,500 gal. ea.; Control: C001809
224200.00	Silo 16; Control: C001809
479000.00	Silos 17, 18 - Two @ 239,500 gal. ea.; Control: C001809
244500.00	Silos A, B, C, D, E - Five @ 48,900 gal. ea.; Control: C001808
138000.00	Silos F, G - Two @ 69,000 gal. ea.; Control: C001809

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION =

07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. Silos shall not receive nor unload materials unless each one used is vented to the specific air pollution control equipment that is operating as per valid District permit listed above.

**101. BAGHOUSE - MDAQMD PERMIT; C001808:**

Serving Cement Silos 1-12, A-E, mounted atop silos 5 and 7 under permit No. T001869 and equipment under permit Nos. B000991, B001871, B001872, and B002089: 6-DC-5 Baghouse, Carter Day model 232RF8, A/C ratio 7.5:1, 18,000 acfm, cloth area 2400 sq. ft.  
6-FA-5 Blower, 30 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**102. BAGHOUSE - MDAQMD PERMIT; C001809:**

Serving Cement Silos 13-18, F and G, mounted atop silo 16 under permit No. T001869 and equipment under permit Nos. B001871, B001872, and B002089: 6-DC-12 Baghouse, Carter Day model 232RF8, A/C ratio 7.5:1, 18,000 acfm, cloth area 5,510 sq. ft.  
6-FA-12 Blower, 40 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**103. SOUTH CEMENT LOADOUT – RAIL - MDAQMD PERMIT; B000991:**

Capacity (Hp)	Equipment Name
20.00	6-BE-3 Bucket Elevator
30.00	6-BE-5 Bucket Elevator
1.50	6-AB-22 Air Blower for Slide 5-AS-53
5.00	6-AB-15 Air Blower for Slide 5-AS-52
	6-LS-7 Loading Sleeve

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001471 (6-DC-20) and C001808 (6-DC-5) under T001869.

**104. BAGHOUSE - MDAQMD PERMIT; C001471:**

Serving Railroad Loadout at Chute 6-LS-7 under permit No. B000991:  
6-DC-20 Baghouse, DCL model DC6458212A42LS, A/C ratio 4.28, 2,000 acfm, cloth area 467 sq. ft.  
6-FA-20 New York Blower model 194 GILS, 10 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. The dust collector shall only be operated during Rail loadout operations.

**105. DUST COLLECTOR (6-DC-27) - MDAQMD PERMIT; C009656:**

GE Energy Model ACAV-210799 generating 750 ACFM, air to cloth ratio of 3.29, fan 6-FA-27 (3 hp). This baghouse serves Rail Loadout under permit No. B000991.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record retained for a minimum period of five years.

3. The baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with these conditions.
5. This baghouse shall operate concurrently with the Rail Loadout, District permit number B000991.
6. This baghouse shall discharge no more than 0.06 lb/hour of PM10 at a maximum concentration of 0.01 gr/dscf.
7. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL – National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
8. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
9. The o/o shall conduct periodic opacity monitoring per NESHAP Subpart LLL requirements.
10. This dust collector shall only be operated during Rail Loadout operations.

**PROCESS: 7 – CEMENT SILOS & BULK LOADING**

**106. SOUTH CEMENT LOADOUT – TRUCK - MDAQMD PERMIT; B000989:**  
**Silos 19 and 21 have the following main components:**

Capacity (Hp)	Equipment Name
150.00	6-AC-4 Air Compressor, which is common to 5 silos
20.00	6-AB-23 Air Pads, Silos 19 and 21
15.00	6-AB-25 Air to Air Slides, 19 and 21
5.00	6-AB-27 Air to Air Slides, 5 and 3
	6-SS-47 Cement Bin, 50 ton capacity
	6-LS-3,5 Loadout Sleeves
5.00	6-SC-7 Screw Conveyor

**PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,**

40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000990 (6-DC-17); and C000988 (5-DC-5) under T000985.

**107. BAGHOUSE - MDAQMD PERMIT; C000990:**

Serving bulk cement loadout from South silos 19 and 21 under permit No. B000989, and equipment under permit no. B001865:  
 6-DC-17 Baghouse, Rees Blowpipe model 3-1500-ANS, A/C ratio 2;1, 8,500 acfm, cloth area 4,256 sq. ft.  
 6-FA-17 Blower, 30 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**108. SILO - SOUTH CEMENT STORAGE - MDAQMD PERMIT; T000985:**

Capacity	Equipment Name
630000.00	South Silo 19

Capacity	Equipment Name
630000.00	South Silo 21

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Material shall not be transferred to these silos unless they are vented to air pollution control equipment operating as per valid District permit C000988 (5-DC-5).

**109. BAGHOUSE - MDAQMD PERMIT; C000988:**

Serving and located on top of cement silos 19, 20, 21, 22, H under permit No. T000985, and equipment under permit Nos. T000987, B000989, B001864, and B001865: 5-DC-5 Baghouse, Ecolaire model 500-10, A/C ratio 4.8:1, 24,000 acfm cloth area 5,000 sq. ft.  
5-FA-5 Blower, 75 hp  
5-SC-5 Screw Conveyor, 2 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**110. NORTH CEMENT LOADOUT – TRUCK - MDAQMD PERMIT; B001864:**

Silos 20 and 22 with the following main components.

Capacity (Hp)	Equipment Name
	6-AC-4 Air Compressor, which is common to B000989
15.00	6-AB-24 Air to Air Pads, Silos 20 and 22
20.00	6-AB-26 Air to Air Slides, 20 and 22
	6-SS-46 Cement Bin, 50 ton capacity
	6-LS-4,6 Loadout Sleeves
2.00	6-SC-6 Screw Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001870 (6-DC-16) and C000988 (5-DC-5) under T000985.

**111. BAGHOUSE - MDAQMD PERMIT; C001870:**

Serving Bulk Cement Loadout from North Silos 20 and 22, under permit No. B001864 and equipment under permit No. B001865:  
 6-DC-16 Baghouse, Rees Blowpipe model 3-1500-ANS, A/C ratio 2.1:1, 8,500 acfm, cloth area 4,256 sq. ft.  
 6-FA-16 Blower, 30 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal

design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**112. SILO - NORTH CEMENT STORAGE - MDAQMD PERMIT; T000987:**

Capacity	Equipment Name
630700.00	North Silo 20
576400.00	North Silo 22
147400.00	No. H Silo

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Material shall not be transferred to these silos unless they are vented to air pollution control equipment operating as per valid District permit C000988 (5-DC-5) under T000985.

**113. CEMENT LOADOUT TRANSFER - MDAQMD PERMIT; B001865:**  
 5 Silo System, Nos. 19-22 and H

Capacity (Hp)	Equipment Name
	6-AS-39 Air Slide activated by 6-AB-25
	6-AS-38 Air Slide activated by 6-AB-26
	6-AS-56,57 Air Slide activated by 6-AB-27
125.00	6-FK-2 Fuller Cement Pump
	(Cement from 19, 20, 21, 22, H can be unloaded and transferred to any of H; 19, 20,21, 22.)

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.

2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C000990 (6-DC-17) under B000989, C001870 (6-DC-16) under B001864, C000988 (6-DC-5) under T000985.

**114. SILO - TRUCK LOADOUT - MDAQMD PERMIT; T003235:**

Silos 6-SS-26 and 6-SS-27 are discharged and filled simultaneously at approximately 192 ton/h, interconnected and served by a common bin vent dust collector. Each has a capacity of 103 tons of cement with an internal volume of 16,475 gallons.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. All flanges, seals, blowers, and other appurtenant equipment shall be installed and maintained to prevent fugitive emissions.
2. The equipment shall not operate unless the bin vent dust collector is functioning and under valid District permit C003236.
3. The owner/operator (o/o) shall limit the annual process throughput to 2,365,200 tons per year. Records of monthly and yearly throughput shall be kept.
4. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.

**115. BAGHOUSE FOR TYPE III LOADOUT (6-DC-26) - MDAQMD PERMIT; C003236:**

Baghouse (bin vent dust collector) servicing 6-SS-26 and 6-SS-27

Type Bag: Top clamped, single unit

No. of Bags: (36) 6"d x 10'1"

Fabric: Polyester felt

Total Bag Area: 565 sq. ft.

Flow Rate: 2,800 acfm

A/C ratio: 4.96:1

Fan: 7.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall log all the items in 2. Above, keep the log on-site for a minimum of five years and provide it to District personnel on request.
3. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
4. The o/o shall conduct periodic monitoring per NESHAP Subpart LLL requirements.
5. This baghouse shall operate concurrently with the truck loadout silos (District permit No. T003235).  
For more information, please refer to Mitsubishi Drawing 6-G-523.
6. This baghouse shall discharge no more than 0.24 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.
7. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
8. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
9. The o/o shall conduct an initial compliance test per NESHAP Subpart LLL opacity requirements using USEPA Method 9.

**116. BAGHOUSE - MDAQMD PERMIT; C001467:**

Serving Truck Vacuum Cleaning Station (no equipment permit No.):  
6-DC-23 Baghouse, Hoffman model 2E, A/C ratio 1:1, 500 acfm, cloth area 553 sq.  
ft. 6-DC-29 Blower, 40 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.

2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**PROCESS: 8- COAL HANDLING & STORAGE**

**117. RAILROAD CAR COAL UNLOAD AND STORAGE - MDAQMD PERMIT; B001007:**

Capacity (Hp)	Equipment Name
20.00	7-CS-1 Car Shaker
	7-SS-1 Surge Hopper, 7.5 tons
10.00	7-FE-1 Feeder
7.50	7-FA-14 Exhaust Fan
40.00	7-BC-1A Belt Conveyor
3.00	7-RS-1 Radial Stacker
10.00	7-RS-2 Lateral Movement Motor
40.00	7-BC-3 Belt Conveyor
	Pile Open, 15,000 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permit C001005 (7-DC-1).
3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to

properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

**118. BAGHOUSE - MDAQMD PERMIT; C001002:**

Serving the top of 7-SS-6 Coal Silo, under Permit No. B001039: 7-DC-9 Baghouse, DCE Vokes model DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 7-FA-9 Blower, 7.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**119. BAGHOUSE - MDAQMD PERMIT; C001005:**

Serving RR Coal Unload and Storage at 7-BC-1A under permit No. B001007: 7-DC-1 Baghouse, DCE Vokes model DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq ft 7-FA-1 Blower, 7.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.

2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**120. COAL RECLAIM SYSTEM - MDAQMD PERMIT; B001039:**

Capacity (Hp)	Equipment Name
	7-SS-2 Hopper, 25 tons
3.00	7-FE-2 Feeder
40.00	7-BC-4 Belt Conveyor
75.00	7-BC-5 Belt Conveyor
40.00	7-BC-6 Belt Conveyor
30.00	7-BC-7 Belt Conveyor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permits, C001003 (7-DC-3), C001002 (7-DC-9), C001006 (7-DC-5), and C001343 (7-DC-6).
3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

**121. BAGHOUSE - MDAQMD PERMIT; C001003:**

Serving Coal Reclaim System at Transfer 7-BC-4 from Front End Loader at coal pile,

under permit No. B001039: 7-DC-3 Baghouse, DCE Vokes model DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 7-FA-3 Blower, 5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**122. BAGHOUSE - MDAQMD PERMIT; C001006:**

Serving Coal Reclaim System at 7-BC-5 Transfer to 7-BC-6 under permit No. B001039: 7-DC-5 Baghouse, DCE Vokes model DLM-V20F, A/C ratio 3:1, 2,000 acfm, cloth area 680 sq. ft. 7-FA-5 Blower, 7.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal

design operational/differential pressure range shall be provided to the District upon request.

4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**123. BAGHOUSE - MDAQMD PERMIT; C001343:**

Serving Coal Bin under permit No. B001039 and equipment under Permit No. T002097:  
 7-DC-6 Baghouse, DCE Vokes model DLM-V20F, A/C ratio 9.5:1, 2,000 acfm  
 7-FA-6 Blower, 5.5 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**124. SILO-STORAGE - MDAQMD PERMIT; T002097:**

For Reclaim Coal

Capacity	Equipment Name
275000.00	7-SS-5 Coal Silo, 900 tons
275000.00	7-SS-6 Coal Silo, 900 tons

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,

40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Silo 7-SS-5 shall not be operated for coal entry nor for coal discharge unless it is vented to air pollution control equipment in operation under valid District permit C001343 (7-DC-6) under B001039.
2. Silo 7-SS-6 shall not be operated for coal entry nor for coal discharge unless it is vented to air pollution control equipment in operation under valid District permit C001004 (7-DC-2).

**125. MILL NO. 4 - COAL GRINDING (7-CM-4) - MDAQMD PERMIT; B001868:**

Capacity (Hp)	Equipment Name
1.00	7-WF-4 Weigh Feeder
1.00	7-CD-4 Drag Conveyor
3.00	7-PO-4 Triple Gate Pump
300.00	7-CM-4 Coal
	7-CY-8 Cyclone
250.00	7-FA-15 Air Fan
2.00	7-DA-30 Damper
3.00	7-RV-6 Rotary Valve
	7-SS-8 Coal Bin, 13.4 tons
5.00	7-SFE-2 Screw Feeder
30.00	7-FK-2 Fuller Pump
125.00	7-AC-2 Air Compressor
0.50	7-DA-27 Control Damper
1.50	7-RA-2 Hopper Rake
10.00	7-SC-4 Screw Conveyor
1.50	7-RV-12 Rotary Valve
1.50	7-RV-14 Rotary Valve

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the

manufacturer/supplier and/or sound engineering principles.

2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permit C001041 (7-DC-8).
3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

**126. BAGHOUSE - MDAQMD PERMIT; C001041:**

Serving Coal Mill 7-CM-4 via 7-CY-8 carrying coal to 7-SS-8 to feed Kiln Burner, under permit No. B001868 and equipment under permit No. B001986: 7-DC-8 Baghouse, Kaiser Cement Custom Design, model PSP, A/C ratio 4.5:1, 30,000 acfm, cloth area 6,667 sq. ft. 7-FA-16 Blower, 150 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.
3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

**127. AUXILIARY COAL TRANSPORT TO KILN - MDAQMD PERMIT; B001986:**

Capacity (Hp)	Equipment Name
	7-GA-25,26 Gates from Coal Mills

Capacity (Hp)	Equipment Name
	7-SS-9 Dry Coal Bin, 13.4 tons
5.00	7-SFE-3 Dry Screw Feeder
	7-FL-3 Flow Meter
50.00	7-FK-3 Fuller Pump
100.00	7-AC-3 Air Compressor
100.00	7-AC-4 Air Compressor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment that is operating as per valid District permits C001041 (7-DC-8) under B001868 and C001042 (7-DC-7) under B002784.

**128. MILL NO. 3 - COAL GRINDING (7-CM-3) - MDAQMD PERMIT; B002784:**

Capacity (Hp)	Equipment Name
3.00	7-BE-1 Bucket Elevator
4.00	7-WF-3 Weigh Feeder
4.00	7-PO-3 Two Triple Gate Pumps (1+3)
300.00	7-CM-3 Coal Mill
0.50	7-DA-11 Damper
	7-CY-7 Cyclone
1.00	7-RV-1 Rotary Valve
250.00	7-FA-1 Air Fan
2.00	7-DA-15 Damper
	7-SS-7 Dry Coal Bin, 13.4 tons
5.00	7-SFE-1 Dry Screw Feeder
50.00	7-FK-1 Fuller Pump
100.00	7-AC-1 Air Compressor
1.50	7-RA-1 Hopper Rake

Capacity (Hp)	Equipment Name
10.00	7-SC-1 Screw Conveyor
1.50	7-RV-10 Rotary Valve
1.50	7-RV-11 Rotary Valve
2.00	7-TIM-2 Belt Magnet
150.00	7-FA-15 Air Fan

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
2. This equipment shall not be operated unless it is vented to air pollution control equipment operating under valid District permits C001042 (7-DC-7).
3. Materials processed shall contain sufficient natural or added moisture to ensure compliance with District Rules 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

**129. BAGHOUSE - MDAQMD PERMIT; C001042:**

Serving Coal Mill 7-CM-3 via 7-CY-7 carrying coal to 7-SS-7 to feed Kiln Burner, under permit No. B002784, and equipment under permit No. B001986:  
 7-DC-7 Baghouse, Kaiser Cement Custom Design, model PSP, A/C ratio 4.5:1, 24,000 acfm, cloth area 5,333 sq. ft.  
 7-FA-13 Blower, 125 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. The record shall be retained for a minimum period of five years.

3. This baghouse shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be provided to the District upon request.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

### **PROCESS: 9 – MISCELLANEOUS EQUIPMENT**

#### **130. COMPRESSOR-PORTABLE - MDAQMD PERMIT; B003512:**

Joy Model No. RPS-800 (equipment No. 871-023), 150 hp diesel engine, unit serial No. 125469.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The owner/operator (o/o) shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis.
3. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. All records and logs shall be retained for a minimum period of five years.
4. The o/o shall log all purchases of diesel fuel including the volume (or weight), date received, and the sulfur content. The o/o may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as a part of the log.
5. An operator's log shall be maintained which, as a minimum, contains monthly hours the diesel engine was operated. If additional information is required, the company's internal tracking/logs will be made available to District staff.

#### **131. COMPRESSOR – PORTABLE - MDAQMD PERMIT; B003513:**

Ingersoll Rand Model No. DR600 (equipment No. 871-010), 150 hp diesel engine, unit serial No. 27027.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The owner/operator (o/o) shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis.
3. The o/o shall maintain a record of repairs and maintenance on this equipment and submit it to the District on request. All records and logs shall be retained for a minimum period of five years.
4. The o/o shall log all purchases of diesel fuel including the volume (or weight), date received, and the sulfur content. The o/o may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as a part of the log.
5. An operator's log shall be maintained which, as a minimum, contains monthly hours the diesel engine was operated. If additional information is required, the company's internal tracking/logs will be made available to District staff.

**132. GASOLINE DISPENSING FACILITIES:**

**C-1. CONDITIONS APPLICABLE TO CUSHENBURY GASOLINE DISPENSING FACILITY (non-retail) - MDAQMD PERMIT NUMBER N007349; consisting of:**

- |    |  |                        |              |
|----|--|------------------------|--------------|
| a. | Tanks - Number of Tanks:                           | 3                      |              |
|    | Tank Number:                                       | 1a                     | 1b           |
|    | 1. Material Stored:                                | (87)Unleaded           | MO Diesel    |
|    | 2. Volume Gallons:                                 | 6,000                  | 6,000 20,000 |
|    | 3. Aboveground(A):                                 | U                      | U U          |
| b. | Dispensing Equipment:                              |                        |              |
|    | 1. Gasoline Dispensing Nozzles (Number):           | 1                      |              |
|    | 2. Diesel Dispensing Nozzles (Number):             | 2                      |              |
|    | 3. Phase II Enhanced Vapor Recovery System (Type): | Assist [gasoline only] |              |

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The toll-free telephone number that must be posted is 1-800-635-4617.
2. The owner/operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least five (5) years and shall be available to the District upon request.
3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District.
4. The vapor vent pipes are to be equipped with pressure relief valves.
5. The Phase II Vapor Recovery System shall be tested in accordance with the requirements of Executive Order (EO) VR-201-I, as stated herein. The owner or operator shall conduct and pass the following tests ANNUALLY using the latest adopted version of the following test procedures:
  - a. TP-201.3, Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities (March 17, 1999);
  - b. Exhibit 8, Required Items in Conducting TP-201.3;
  - c. Exhibit 4; Determination of Static Pressure Performance of the Healy Clean Air Separator;
  - d. Exhibit 5, Vapor to Liquid Volume Ratio; and
  - e. Exhibit 7, Nozzle Bag Test Procedure; and

The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests.

The District shall receive passing test report no later than six (6) weeks prior to the expiration date of this permit.

6. The Enhanced Vapor Recovery (EVR) 2-Point Phase I System shall be tested in accordance with the requirements of EO VR-102-D, as stated herein. The owner or operator shall conduct and pass the following tests at least once every three years using the latest adopted version of the following test procedures (next set of EVR Phase I testing due in 2012):
  - a. Static Torque of Rotatable Phase I Adaptors per TP201.1B;
  - b. Depending on system configuration, either TP-201-1D, Leak Rate of Drop Tube Overfill Prevention, Device and Spill Container Drain Valve; or TP-201.1C, Leak Rate of Drop Tube/Drain Valve Assembly; and
  - c. P/V valves in accord with TP-201.1E.

Passing test report shall be received by the District no later than six (6) weeks prior to the expiration date of this permit in those years when testing is required.

7. The annual throughput of gasoline shall not exceed 1,800,000 gallons for calendar year 2009, and shall be less than 600,000 gallons for calendar year 2010 and subsequent.

Throughput records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment (HRA) in accord with a District approved plan. In addition, a public notice and/or comment period may be required. These throughputs are established to enable this facility to operate without installing ISD.

8. Enhanced Vapor Recovery (EVR) 2-Point Phase I Vapor Control Equipment to be maintained in Compliance with Executive Order (EO) VR-102-D.
9. Assist EVR Phase II without ISD Equipment to be maintained in Compliance with EO VR-201-I, Dispensers shall be Uni-Hose type.
10. In accordance with the EVR implementation time line, and based on this facilities throughput limit, In-Station-Diagnostics (ISD) is not required. If the o/o wishes to increase throughput allowance, ISD must be installed in accordance with the EVR timeline. Prior to installing this system, a District approved Authority To Construct permit must be obtained.

**C-2. CONDITIONS APPLICABLE TO ALL GASOLINE DISPENSING FACILITIES:**

1. Owner/Operator shall not sale or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66. [Rule 432 - *Gasoline Specifications*; Version in SIP = Current, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011]
2. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
  - (a) Tank is equipped with a permanent submerged fill pipe, and
  - (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
  - (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part II, Section B, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
  - (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.
  - (e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and
  - (f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:
    - (i) All fill tubes are equipped with vapor-tight covers, including gaskets; and

- (ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and
- (iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and
- (iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and
- (v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

3. Owner/Operator shall not transfer, or permit the transfer, or provide equipment for the transfer of gasoline from the gasoline storage tank into any motor vehicle tank of greater than 19 liters (5 gallons) capacity unless:

- (a) The dispensing unit used to transfer the gasoline from the gasoline tank to the motor vehicle fuel tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board as capable of recovering 95% of the displaced gasoline vapors; and
- (b) The vapor recovery system is operating in accordance with the manufacturer's specifications; and
- (c) Equipment is operated and maintained with none of the following defects, pursuant to the definitions in California Administrative Code Section 94006, Subchapter 8, Chapter 1, Part III, of Title 17:
  - (i) Torn or cut boots;
  - (ii) Torn or cut face seals or face cones;
  - (iii) Loose or broken retractors;
  - (iv) Boots clamped or otherwise held in an open position;
  - (v) Leaking nozzles;
  - (vi) Loose, missing, or disconnected nozzle components, including but not limited to boots, face seals, face cones, check valve wires, diaphragm covers and latching devices;
  - (vii) Defective shutoff mechanisms;
  - (viii) Loose, missing, or disconnected vapor fuel hoses and associated components including but not limited to flow restrictors, swivels and anti-recirculation valves;
  - (ix) Crimped, cut, severed, or otherwise damaged vapor or fuel hoses;
  - (x) Missing, turned off, or otherwise not operating assist type vapor recovery systems, or any components of such systems;
  - (xi) Improper or non-"CARB certified" equipment or components;
  - (xii) Inoperative, severely malfunctioning or missing vacuum producing device;
  - (xiii) Inoperative, loose, missing or disconnected pressure/vacuum relief valves, vapor check valves or dry breaks.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

4. Vapor processing or vapor recovery system used by Owner/Operator shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

5. Owner/Operator shall not install any new or rebuilt vapor recovery equipment unless the components and parts clearly identify by markings the certified manufacturing company and/or certified rebuilding company.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
6. Vapor recovery system shall be at all times maintained in accordance with the manufacturer's specifications and the State's certification.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
7. When problems or defects are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, other than a breakdown of the central vapor incineration or processing unit, the Owner/Operator shall at the end of the cycle, as defined in Rule 461, remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as necessary to remove the problem or defect.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
8. Owner/Operator shall not perform or permit the "pump-out" (bulk transfer) of gasoline from the gasoline storage tank unless such bulk transfer is performed using a vapor recovery system capable of returning the displaced vapors from the delivery vessel or other container being filled back to the gasoline storage tank. This vapor recovery is not required where the container is to be removed or filled with water for testing. For visual inspections, the requirements of Part II, Section B, condition B.3.d. are applicable.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
9. Owner/Operator shall not store, or allow the storage of, gasoline in the gasoline storage tank unless the tank is equipped with a permanent submerged fill pipe and a certified vapor recovery system.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
10. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 as listed in Part II, Section B conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, state or federal personnel upon request.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
11. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of applicable Part II and Part III conditions:

- (a) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
  - (b) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
  - (c) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, *"Certification of Vapor Recovery Systems - Bulk Plants"*.
  - (d) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, *"Certification of Vapor Recovery Systems - Gasoline Terminals"*.
  - (e) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in *"Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations"*.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
12. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by maintaining equipment as specified in the applicable ARB Executive Order certifying the system.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
13. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
14. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District specified warning sign. Post the following toll-free telephone number: 1-800-635-4617.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
15. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the MDAQMD.  
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]  
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
16. The gasoline dispensing facility shall comply with the following requirements:  
(C) Basic Requirements  
(2) Class B Facility: The Owner/Operator shall not load organic liquids having a

true vapor pressure of 77.5 millimeters of mercury (1.5 psia) or greater under actual loading conditions into any tank truck, trailer, or railroad car from a Class B loading facility, unless:

- (a) The facility is equipped with a vapor recovery system to prevent the release of fugitive vapor emissions during the filling of organic liquid delivery vehicles.
  - (b) The facility is equipped with a vapor recovery system to prevent the release of fugitive vapor emissions displaced during the filling of the facility's stationary storage containers with all connections and vapor lines to be maintained vapor tight; and
  - (c) The facility is equipped with a pressure-vacuum valve on the above ground stationary storage containers with a minimum pressure valve setting of 8 ounces per square inch, provided that such setting will not exceed the container's maximum pressure rating.
- (D) Additional Requirements
- (1) Other agencies requirements - The vapor recovery systems used to comply with the provision of this Rule shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations, including those listed in the California Health and Safety Code Sections 41950 - 41974.
  - (2) Fugitive Vapor and Liquid Leaks - All of the components of the facility including but not limited to tanks, flanges, seals, pipes, pumps, valves, meters, connectors, shall be maintained and operated so as to prevent fugitive vapor leaks, fugitive liquid leaks and excess organic liquid drainage during transfer, storage and handling operations.
  - (3) Organic Liquid Transport (Tank Truck, Trailer, etc.)
    - (a) The Owner/Operator shall not allow loading or unloading of organic liquid, or other use or operation of any designated transporting vessel unless the vessel has a valid certification of vapor integrity as defined by the applicable Air Resources Board Certification and Test Procedures, pursuant to Health and Safety Code Section 41962(9) and the California Administrative Code Title 17, Section 94004.
    - (b) Vapor leaks from dome covers, pressure vacuum vents or other sources shall be determined in accordance with EPA Method 21.
    - (c) The transport equipment shall be operated such that there are no fugitive liquid leaks.
  - (4) Switch Loading: Uncontrolled switch loading is prohibited unless:
    - (a) any vapors vented to the atmosphere do not at any point during the transfer exceed 10,000 ppmv, measured as equivalent methane, with a portable hydrocarbon analyzer in accordance with EPA Method 21, or
    - (b) emissions are controlled by a vapor recovery system.
  - (5) Distribution of Responsibilities
    - (a) The Owner/Operator of an organic liquid loading facility is responsible for complying with the provisions of this rule, and for maintaining the equipment at the facility in such condition that it can comply with the requirements of this rule if properly operated. If employees of the Owner/Operator of the facility supervise or effect the transfer operation,

the Owner/Operator of the facility shall be responsible for ensuring that the transfer operation complies with all requirements of this rule and that the transfer equipment is properly operated.

- (b) The owner, operator, or driver of a tank truck, trailer, or railroad tank car is responsible for complying with Subsections (D)(2) and (D)(3) of this rule.
  - (c) Where appropriate, the Owner/Operator of an organic liquid loading facility and the owner operator, or driver of a tank truck, trailer, or railroad tank car may be separately or jointly found in violation of this rule.
- (E) Record Keeping and Reporting
- (1) Any facility subject to this rule shall, as a minimum, maintain the following records:
    - (a) The Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to this rule. Such logs or records shall be maintained at the facility for at least 5 years and shall be made available to the APCO upon request.
    - (b) The Owner/Operator of a Class A or Class B Facility shall prepare a log showing the daily:
      - (i) input
      - (ii) output
      - (iii) average stored volume over the 24 hour period (midnight to midnight)
      - (iv) storage and transfer temperatures of the organic liquid
      - (v) stored product's name and Chemical Abstracts Service (CAS) number
      - (vi) a monthly summary of the throughput for the calendar year to date.
  - (2) Any facility classified as exempt or claiming to be exempt shall meet the same record keeping requirements of this rule so as to be able to prove the exemption status.
- (F) Test Methods For Compliance Verification
- (1) A violation determined by any one of these test methods shall constitute a violation of the rule.
    - (a) Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in this rule, unless otherwise specified, shall be determined by EPA Method 21 - Determination of Volatile Organic Compounds Leaks.
    - (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, "Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks".
    - (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82, and the true vapor pressure in psi absolute of stored liquid shall be determined by using the nomograph contained in American Petroleum Institute Bulletin 2517 for conversion of Reid vapor pressure to true vapor pressure.
    - (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined

by CARB Method 202, "Certification of Vapor Recovery Systems – Bulk Plants".

- (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "Certification of Vapor Recovery Systems – Gasoline Terminals".
- (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations".

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current; 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 60 FR 21702; Current Rule Version = 5/25/94]

17. The gasoline dispensing facility shall comply with the following requirements:

(C) Basic Requirements

- (2) Tanks With 150,000 Liters Or Less Capacity: The Owner/Operator shall not place, store or hold in any above-ground stationary tank, or other container of 150,000 liters (39,630) or less capacity any organic liquid having a true vapor pressure of 77.5 mm Hg (1.5 psia) or greater under actual storage conditions, unless such tank is equipped with a pressure-vacuum valve which is set to within ten percent of the maximum allowable working pressure of the container, or is equipped with a vapor loss control device described as follows. A fixed roof tank with a vapor recovery system consisting of a system capable of collecting all organic vapors and gases, and a vapor return or disposal system capable of processing such vapors and gases, so as to prevent their emission to the atmosphere at an efficiency of at least 95 percent by weight.

(3) Additional Requirements

- (a) All of the components of a facility including but not limited to tanks, flanges, seals, pipes, pumps, valves, meters, connectors, shall be maintained and operated so as to prevent fugitive vapor leaks, fugitive liquid leaks, and excess organic liquid drainage during transfer, storage and handling operations.
- (b) Efficiency, as used in Subsections (C)(1)(c) and (c)(1)(d) means a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor control system. Base line emissions shall be calculated by using the criteria outlined in American Petroleum Institute Bulletin 2518.
- (c) The roof of any internal or external floating roof tank is to be floating on the liquid at all times (i.e. free of the roof leg supports) except when the tank is being completely emptied for cleaning, or repair. The process of emptying, and/or refilling, when the roof is resting on the leg supports, shall be continuous and shall be accomplished as rapidly as possible, and: If the tank has been gas-freed and is to be refilled with gasoline, the roof shall be refloated with water, or equivalent procedure approved by the APCO.

(D) Record Keeping and Recording

- (1) The Owner/Operator whose tanks are subject to this rule shall keep an accurate record of liquids stored in such containers and the true vapor pressure ranges of such liquids, or other criteria approved by the APCO.
- (2) Organic liquids listed on the addendum to this rule shall be deemed to be in compliance with the appropriate vapor pressure limits for the tank in which it is

- stored provided the actual storage temperature does not exceed the corresponding maximum temperature listed.
- (3) The Owner/Operator shall maintain a log of all inspections, repairs and maintenance on equipment subject to this rule. Such a log or records shall be maintained at the facility for at least 5 years and shall be made available to the APCO upon request.
- (H) Compliance Verification Test Methods
- (1) Vapor Pressure shall be determined in accordance with ASTM Method D 323-82, or the unmodified Reid Method and the true vapor pressure in psi absolute of stored liquid shall be determined by using the nomographs contained in American Petroleum Institute Bulletin 2517 for conversion of Reid vapor pressure to true vapor pressure.
- (2) Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Section (C) shall be determined by EPA Method 21 - Determination of Volatile Organic Compounds Leaks.
- (3) Vapor Tightness for delivery vessels shall be determined by the EPA Method entitled Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, "Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks".
- (4) Vapor Tightness for bulk plants shall be determined by CARB Method 202, "Certification of Vapor Recovery Systems - Bulk Plants".
- (5) Vapor Tightness terminals shall be determined by CARB Method 203, "Certification of Vapor Recovery Systems - Gasoline Terminals".
- (6) Vapor Tightness for service stations shall be determined by the CARB Methods in "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations".

[Rule 463 - *Organic Liquid Storage*; Version in SIP = Current; 40 CFR 52.220(c)(191)(i)(C) 05/03/95 60 FR 21702; Current Rule Version = 11/02/92]

**133. EMERGENCY GENERATOR – MDAQMD PERMIT; E007911:**

733-002, Caterpillar, Diesel, Generator Model No. 3406, 6 cylinders, After Cooled, Direct Injected, Inter Cooled, Turbo Charged, 506 bhp @ 1800 rpm, Serial No. 2WB05602

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
3. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 30 hour per year limit.
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Date of each use and duration of each use (in hours);
  - b. Reason for use (testing & maintenance, emergency, required emission testing);
  - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
7. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
8. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

**134. EMERGENCY GENERATOR – MDAQMD PERMIT; E007913:  
(Cancelled)**

**135. EMERGENCY GENERATOR – MDAQMD PERMIT; E008201:**

0-EM-1Mitsubishi, Diesel, Generator, Model No. S 12 NPTA, 12 cylinders, After Cooled, Direct Injected, Inter Cooled, Turbo Charged, 1080bhp @1800rpm, Serial No. 10183

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
3. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 30 hour per year limit.
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Date of each use and duration of each use (in hours);
  - b. Reason for use (testing & maintenance, emergency, required emission testing);
  - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours;

and,

- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
7. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
8. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

**136. EMERGENCY GENERATOR – MDAQMD PERMIT; E008202:**

733-008Caterpillar, Diesel, Generator, Model No. 3512B, 4 cylinders, Ignition Retarded, 2,116bhp @ 1800 rpm, Serial No. 1GZ00404

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
3. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
5. This unit shall be limited to use for emergency power, defined as in response to a fire or

when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 30 hour per year limit.

6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Date of each use and duration of each use (in hours);
  - b. Reason for use (testing & maintenance, emergency, required emission testing);
  - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
7. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
8. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

**137. EMERGENCY GENERATOR – MDAQMD PERMIT; E008203:**

733-006 Caterpillar, Diesel, Generator, Model No. 3304, 4 cylinders, Ignition Retarded, 105bhp @ 1800 rpm, Serial No. 44BH4298

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or

equivalent requirements.

3. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 30 hour per year limit.
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Date of each use and duration of each use (in hours);
  - b. Reason for use (testing & maintenance, emergency, required emission testing);
  - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
7. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
8. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

138. **EMERGENCY GENERATOR – MDAQMD PERMIT; E010297:**  
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Yr of Mfg 2008, Tier 2, EO# U-R-001-0330, Particulate Trap: E0# DE-05-002 Manufacturer: Clean Air Systems, 2 Filter, One Caterpillar, Diesel fired internal combustion engine, Model No. C27 and Serial No. tbd, Direct Injected, Turbo Charged, producing 1141 bhp with cylinders at 1800 rpm while consuming a maximum of 377 lbs/hr. This equipment

powers a Generator.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
4. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 30 hour per year limit.
5. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Date of each use and duration of each use (in hours);
  - b. Reason for use (testing & maintenance, emergency, required emission testing);
  - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
6. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
7. This unit can be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

8. This unit shall be operated with the Clean Air Systems Particulate Trap , CARB EO# DE-05-002. This device shall be operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.

**138a. EMERGENCY GENERATOR – MDAQMD PERMIT; E010971:**

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of Model Year 2010, Tier II, Engine Family ACPXL18.1ESW, vented to a CleanAIR Systems Diesel Particulate Trap, Model 1-Permit Filter, Serial Number 85357; CARB EO# DE-05-002-02, One Caterpillar, Diesel fired internal combustion engine, Model No. C18-600KW and Serial No. EST01025, After Cooled, Direct Injected, Turbo Charged, producing 923 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 43 gal/hr. This equipment powers a Generator.

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
2. Engine may operate in response to notification of impending involuntary rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
5. This unit shall be limited to use for emergency power and as part of a Demand Response Program (DRP). Emergency is defined as in response to a fire or when commercially available power has been interrupted. As this engine is equipped with a DPT and emits less than 0.01 g/bhp-hr, it shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Use during DRP is not limited.
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of two (2) years, and this log shall be provided to District, State

and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours); designate if used during DRP
  - b. Reason for use (testing & maintenance, emergency, required emission testing);
  - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
7. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
  8. This unit may be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
  9. This ICE shall not operate unless vented through a properly operating CleanAIR Systems Diesel Particulate Trap, Model 1-Permit Filter, Serial Number 85357; CARB EO# DE-05-002-02.
  10. This ICE replaces existing ICE permitted as E007913. Therefore, the o/o shall request cancellation of permit E007913, within 30 days of installing the engine permitted under this permit (E010971). Subsequent removal of the engine permitted as E007913 shall occur within 90 days of placing this new engine into service.

**139. STORAGE TANK FOR WASTE OIL – MDAQMD PERMIT; T005181:**

One Enviro-Vault, by Bakersfield Tank Co. This tank has a capacity of 1000 gallons and is of dual wall, above ground construction.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator, o/o, shall log the throughput of waste oil and its disposition. The log shall be maintained current, on-site for a minimum of 5 years and provided to District personnel on request.
2. No hazardous materials nor spent fuel of any type shall be stored in this tank.

- 140. PORTABLE DIESEL IC ENGINE, WELDER 725-051 - MDAQMD PERMIT; B009462:**  
One Perkins, Diesel fired internal combustion engine, Model No. 2466/1700 and serial No. U234372, producing 68 bhp with 4 cylinders at 1725 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Welder. (Permit Conditions to follow)
- 141. PORTABLE DIESEL IC ENGINE, WELDER 725-052 - MDAQMD PERMIT; B009929:**  
One Perkins, Diesel fired internal combustion engine, Model No. 2466/1700 and serial No. U323593, producing 51 bhp with 4 cylinders at 1725 rpm while consuming a maximum of 26 lb/hr. This equipment powers a Welder. (Permit Conditions to follow)
- 142. PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-030 - MDAQMD PERMIT; B009463:**  
One Caterpillar, Diesel fired internal combustion engine, Model No. 3054B and serial No. 5MF11271, producing 82 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Compressor. (Permit Conditions to follow)
- 143. PORTABLE DIESEL IC ENGINE, WELDER 725-046 - MDAQMD PERMIT; B009464:**  
One Perkins, Diesel fired internal combustion engine, Model No. 197086 and serial No. U830483C, producing 71 bhp with 4 cylinders at 1700 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Welder. (Permit Conditions to follow)
- 144. PORTABLE DIESEL IC ENGINE, WELDER 725-047 - MDAQMD PERMIT; B009465:**  
One Perkins, Diesel fired internal combustion engine, Model No. 107026 and serial No. U832730C, producing 71 bhp with 4 cylinders at 1700 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Welder. (Permit Conditions to follow)
- 145. PORTABLE DIESEL IC ENGINE, WELDER 725-049 - MDAQMD PERMIT; B009466:**  
One Perkins, Diesel fired internal combustion engine, Model No. 2049/1700 and serial No. 588264, producing 71 bhp with 4 cylinders at 1700 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Welder. (Permit Conditions to follow)
- 146. PORTABLE DIESEL IC ENGINE, GENERATOR 733-001 - MDAQMD PERMIT; B009467:**  
One Perkins, Diesel fired internal combustion engine, Model No. 3054 and Serial No. 4ZK08143, producing 80 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Generator. (Permit Conditions to follow)
- 147. PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-029 - MDAQMD**

**PERMIT; B009469:**

One John Deere, Diesel fired internal combustion engine, Model No. 4239DF and Serial No. 730551, producing 70 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Compressor. (Permit Conditions to follow)

**148. PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-031 - MDAQMD PERMIT; B009470:**

One John Deere, Diesel fired internal combustion engine, Model No. 4239DF and Serial No. 105458, producing 70 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Compressor. (Permit Conditions to follow)

**149. PORTABLE DIESEL IC ENGINE, AIR COMPRESSOR 871-032 - MDAQMD PERMIT; B009472:**

One John Deere, Diesel fired internal combustion engine, Model No. 4239DF and Serial No. 106232, producing 70 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Compressor. (Permit Conditions to follow)

**The following Permit Conditions are applicable to each of the preceding 10 Permits; B009462, B009929, B009463, B009464, B009465, B009466, B009467, B009469, B009470, and B009472:**

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 13 CCR 93116.2(bb)]
3. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been

verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. [Title 13 CCR 93116.3(a)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 13 CCR 93116.4(c)(2)(A)]
5. Prior to January 1, 2010, this portable diesel-fueled engine (unit) or its replacement engine shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). Unless, this unit is used exclusively for emergency applications or qualifies as a low-use engine (operates 80 hours or less per calendar year) and the o/o commits to replacing this engine with a Tier 4 engine. (Tier 4 engines are phased in for engines manufactured beginning in 2011). (Title 17 CCR Section 93116.3 (b)(1))
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Record the operating hour meter readout monthly;
  - b. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 13 CCR 93116.4(c)]
  - d. The log should contain the following statement; "This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days."
7. The o/o of this unit must submit a Status Report for the entire fleet\* by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 13 CCR 93116.4(e)(1):
  - a. The fleet's weighted average PM emission rate for the 2010 calendar year,
  - b. Inventory of portable engines in the fleet,
  - c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
  - d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,

e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,

f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and

g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),

\* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

8. The fleet\* under control of this o/o is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages\*\* expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

Compliance Date	Weighted DPM (g/bhp-hr)
January 1, 2013	0.30
January 1, 2017	0.18
January 1, 2020	0.04

\* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

\*\* The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).

9. The o/o of this unit must submit a ‘Statement of Compliance’ signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 13 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date	Submit by
January 1, 2013	March 1, 2013
January 1, 2017	March 1, 2017
January 1, 2020	March 1, 2020

10. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 13 CCR 93116.4(f) for details.

11. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by title 13 CCR 93116.4(c)(3) by January 1, 2012.

12. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 13 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

**PROCESS: 10 – SAND PLANT**

150. **SAND PLANT – CRUSHING AND SCREENING PLANT PRODUCING SAND, GRIT, AND SMALL (3/4" MINUS) AGGREGATE THAT SUPPORTS LOADOUT SILOS 1-SS-2 AND 1-SS-3 - MDAQMD PERMIT; B003948:**

Capacity (Hp)	Equipment Name
250.00	Electric Air Compressor (1-AC-1)
10.00	Conveyer 42" x 10'10" - Feeder under Grizzly (1-BC-1)
10.00	Conveyer 36" x 48' - Surge bin feed conveyer (1-BC-10)
10.00	Conveyer 36" x 78' - Sand radial conveyer (1-BC-11)
5.00	Conveyer 29" x 17' - Bottom deck cross conveyer (1-BC-12)
10.00	Conveyer 30" x 80' - Grit stacker conveyer (1-BC-13)
7.5	Conveyer 29" x 26' - Middle deck cross conveyer (1-BC-14)
10.00	Conveyer 30" x 60' - 3/4" lock stacker conveyer (1-BC-15)
5.00	Conveyer 30" x 12' - Top deck cross conveyer (1-BC-16)
20.00	Conveyer 36" x 85' - VSI crusher feed conveyer (1-BC-17)
25.00	Conveyer 36" x 97' - VSI crusher return conveyer (1-BC-18)
5.00	Conveyer 36" x 20' - Waste feeder conveyer (1-BC1A)
7.5	Conveyer 30" x 24' - Rock feeder conveyer (1-BC1B)
15.00	Conveyer 24" x 62' - Grizzly feeder conveyer (1-BC1C)
15.00	Conveyer 42" x 115' - Feeder conveyer to 5x16 JCI screen (1-BC-2)
10.00	Conveyer 30" x 9' - Sand feeder conveyer (1-BC-23)
25.00	Conveyer 36" x 60' - Sand feeder conveyer (1-BC-24)
25.00	Conveyer 32" x 89' - Sand feeder conveyer (1-BC-25)
3.00	Conveyer 24" x 15' - Grit spout conveyer (1-BC-26)
3.00	Conveyer ?" x ?' - Palletizer conveyer (1-RS-1)
5.00	Conveyer 46" x 16' - 5x16 underscreen -6 mesh waste (1-BC-3)
5.00	Conveyer 30" x 20' - Minus 6 mesh stacking conveyer (1-BC-4)
40.00	Conveyer 36" x 86' -Rejects conveyer (1-BC-4A)
10.00	Conveyer 36" x 28' - minus 2.5 x +6 mesh from 5x16 screen (1-BC-5)

Capacity (Hp)	Equipment Name
10.00	Conveyer 36" x 28' - Bearclaw crusher minus 2.5 discharge (1-BC-6)
10.00	Conveyer 60" x 36' - Picker belt (1-BC-7)
15.00	Conveyer 36" x 88' - Feed conveyer to JCI screen (1-BC-8)
15.00	Conveyer 60"x 27' - Underscreen conveyer (1-BC-9)
30.00	Elevator 1-BE-1
100.00	Bearclaw primary crusher (1-CR-1)
60.00	Thunderbird Jaw Crusher (1-CR-1A)
500.00	Remco Sandmax VSI crusher (1-CR-2)
20.00	1-HU-1A
1.50	Sand pile loading spout (1-LS-1)
1.50	Grit pile loading spout (1-LS-2)
1.50	Rock pile loading spout (1-LS-3)
2.00	Radial Drive (1-RS-1)
2.00	Radial Drive (1-RS-2)
50.00	Primary 3 Deck 5x16 vibrating screen (1-VS-1)
5.00	Vibrating screen (1-VS-1A)
75.00	Finish 3 deck 8x20 vibrating screen (1-VS-2)

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall not be operated unless it is vented to properly functioning air pollution control equipment covered by valid District permits C003949, C008145, C008146, C008147, C008148, C008149, C008150, and C008151.
2. The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and/or specifications which ensures compliance with District Rules.
3. The o/o shall maintain a log of all inspections, repairs, and maintenance on this equipment. The log shall be kept on-site for a minimum period of five years and provided to District personnel on request.
4. The o/o shall limit sand production to a maximum of 200 tons per hour.
5. The owner/operator (o/o) shall limit the annual sand production to 1,200,000 tons per year. Records of monthly and yearly throughput shall be kept.

6. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
7. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:
  - a. Stack emissions - seven percent (40 CFR 60.672(a))
  - b. All transfer points and fugitive emission points - ten percent (40 CFR 60.672(b))
8. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or Equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (Transfer point or other) associated with this equipment.
9. The o/o will periodically monitor opacity from fugitive emission points according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

**151. WHITE SAND SILOS & BAGGING STATION– MDAQMD PERMIT; T004299:**

Two white sand silos (1-SS-2 and 1-SS-3), each designed to hold 54 tons, whose dimensions are 11 feet in diameter by 30.5 feet high (including the 5.5 feet of taper), with a total capacity of 25,330 gallons. A bagging station is under 1-SS-3 silo.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. These silos shall not be filled with any material unless vented to functioning baghouse's

under valid District permit numbers C004289 (1-DC-2) and C004290 (1-DC-3).

2. The owner/operator (o/o) shall limit the annual process throughput to 1,200,000 tons per year. Records of monthly and yearly throughput shall be kept.
3. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO -Standards of Performance for Nonmetallic Mineral Processing Plants.
4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:
  - a. Stack emissions - seven percent (40 CFR 60.672(a))
  - b. All transfer points and fugitive emission points - ten percent (40 CFR 60.672(b))
5. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or Equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (Transfer point or other) associated with this equipment.
6. The o/o will periodically monitor opacity from fugitive emission points according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

**152. BAGHOUSE FOR SAND PLANT (1-DC-1) – MDAQMD PERMIT; C003949:**

A Flex Clean baghouse, model 100WSBC81 IIIG, Serial #300659, equipped with 81 bags (1029 square feet) and a 15 hp fan generating 5000 ACFM (for an air to cloth ratio of 4.86:1). This unit provides exhaust air filtration to the Sand Plant (B003948).

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73,

40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o shall log all the items required above, keep the log on-site for a minimum of five years and present it to District personnel on request.
3. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
4. The o/o shall install and maintain a device which measures the pressure differential across the bags if one is not provided with the unit.
5. This baghouse shall operate concurrently with the equipment described in District permit No. B003948.
6. This baghouse shall discharge no more than 0.43 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf at the operating conditions given in the above description.
7. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
8. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
9. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
10. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.
11. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-

annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

**153. BAGHOUSE FOR SAND PLANT (1-DC-2) – MDAQMD PERMIT; C004289:**

Baghouse's each of which contains 16 bags whose dimensions are 6" dia. X 84"L. The bags are polyester serviced by a 3 hp motor which moves 700 ft<sup>3</sup>/min. and the total filtration area for each baghouse is 176 ft<sup>2</sup>.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate, and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2. Above, keep the log current, on-site for a minimum of five years and provide it to District personnel on request.

4. The o/o shall maintain an inventory of the required bags for replacement on-site at all times which will ensure compliance with District Rules.
5. This baghouse shall operate concurrently with equipment described in District permit No. T004299.
6. This baghouse shall discharge no more than 0.06 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.
7. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
8. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
9. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
10. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

- 154. BAGHOUSE FOR SAND PLANT (1-DC-3) – MDAQMD PERMIT; C004290:**  
Baghouse's consisting of 16 bags whose dimensions are 6" dia. X 84"L. The bags are polyester serviced by a 3 hp motor which moves 700 ft<sup>3</sup>/min. and the total filtration area for each baghouse is 176 ft<sup>2</sup>.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate, and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.

- (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
- (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2. Above, keep the log current, on-site for a minimum of five years and provide it to District personnel on request.
  4. The o/o shall maintain an inventory of the required bags for replacement on-site at all times which will ensure compliance with District Rules.
  5. This baghouse shall operate concurrently with equipment described in District permit No. T004299.
  6. This baghouse shall discharge no more than 0.06 pounds per hour of PM10 at a maximum concentration of 0.01 gr/dscf.
  7. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
  8. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
  9. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
  10. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**155. DUST COLLECTOR FOR SAND PLANT (1-DC-4) – MDAQMD PERMIT;  
C008145:**

Mikropul Model 815-8-20-TR C style baghouse with top bag removal and mikro-pulsaire cleaning, equipped with an 8" double tipping valve, 81 4 5/8" x 8' bags (806 sq ft) and fan

1-FA-4 (20 hp) generating 4500 ACFM (air to cloth ratio of 5.6:1). This baghouse vents screen 1-VS-1 feed, reject drop from the screen, and reject transfer belts to the screen reject pile. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
7. This baghouse shall discharge no more than 0.386 lb/hour at a maximum concentration of

0.01 gr/dscf at the operating conditions described in the above description.

8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**156. DUST COLLECTOR FOR SAND PLANT (1-DC-5) – MDAQMD PERMIT;  
C008146:**

Mikropul Model 144S-8-20-TR C style baghouse, equipped with an 8" double tipping valve, 144 4 5/8" x 8' bags (1433 sq ft) and fan 1-FA-5 (30 hp) generating 8600 ACFM (air to cloth ratio of 6:1). This baghouse vents screen 1-VS-1, crusher 1-CR-1, screen discharge, crusher discharge, and drops to the picker belt. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each

affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.

(ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
7. This baghouse shall discharge no more than 0.737 lb/hour at a maximum concentration of 0.01 gr/dscf at the operating conditions described in the above description.
8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**157. DUST COLLECTOR FOR SAND PLANT (1-DC-6) – MDAQMD PERMIT: C008147:**

Mikropul Model 196S-8-20-TR C style baghouse, equipped with an 8" double tipping valve, 196 4 5/8" x 8' bags (1950 sq ft) and fan 1-FA-6 (40 hp) generating 11000 ACFM (air to cloth ratio of 5.6:1). This baghouse vents feed to screen 1-VS-2, the screen, all screen discharge, surge bin 1-SS-6, and surge bin discharge to pivot belt conveyor 1-BC-11. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles, which produce minimum emissions of air contaminants.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and

- non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
  5. The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
  6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
  7. This baghouse shall discharge no more than 0.943 lb/hour at a maximum concentration of 0.01 gr/dscf at the operating conditions described in the above description.
  8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
  9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
  10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
  11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
  12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**158. DUST COLLECTOR FOR SAND PLANT (1-DC-7) – MDAQMD PERMIT;**

**C008148:**

Bayshore Model EL-300DC baghouse, equipped with a loading spout, 8 6" x 36" bags (260 sq ft) and fan 1-FA-7 (1.5 hp) generating 960 ACFM (air to cloth ratio of 3.7:1). This baghouse vents the drop end of rotary belt conveyor 1-BC-11, feed to the sand pile. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
7. This baghouse shall discharge no more than 0.082 lb/hour at a maximum concentration of 0.01 gr/dscf at the operating conditions described in the above description.
8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test

Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.

9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**159. DUST COLLECTOR FOR SAND PLANT (1-DC-8) – MDAQMD PERMIT; C008149:**

Midwest Model 200 baghouse with loading spout, equipped with bags to be specified and fan 1-FA-8 (2 hp) generating 760 ACFM (unknown air to cloth ratio). This baghouse vents the drop from belt conveyor 1-BC-13 onto the grit pile. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a

monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
7. This baghouse shall discharge no more than 0.065 lb/hour at a maximum concentration of 0.01 gr/dscf at the operating conditions described in the above description.
8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point

(transfer point or other) associated with this equipment.

**160. DUST COLLECTOR FOR SAND PLANT (1-DC-9) – MDAQMD PERMIT; C008150:**

Midwest Model 200 baghouse with loading spout, equipped with bags to be specified and fan 1-FA-9 (2 hp) generating 760 ACFM (air to cloth ratio to be specified). This baghouse vents the drop from belt conveyor 1-BC-15 onto the 3/4"- pile. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential

across the bags if one has not been provided with this unit.

6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
7. This baghouse shall discharge no more than 0.065 lb/hour at a maximum concentration of 0.01 gr/dscf at the operating conditions described in the above description.
8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**161. DUST COLLECTOR FOR SAND PLANT (1-DC-10) - MDAQMD PERMIT;  
C008151:**

Mikropul Model 81S-8-20-TR C style baghouse, equipped with an 8" double tipping valve, 81 4 5/8" x 8' bags (806 sq ft) and fan 1-FA-10 (20 hp) generating 4500 ACFM (air to cloth ratio of 5.6:1). This baghouse vents crusher 1-CR-2 feed and crusher discharge to belt conveyor 1-BC-18. See diagram 1-F-505.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering

principles which produce minimum emissions of air contaminants.

2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
3. The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
4. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
6. This baghouse shall operate concurrently with the Sand Plant under valid District permit number B003948.
7. This baghouse shall discharge no more than 0.386 lb/hour at a maximum concentration of 0.01 gr/dscf at the operating conditions described in the above description.
8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 7 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
9. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.

10. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
11. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
12. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.

**162. DUST COLLECTOR FOR SAND PLANT (1-DC-11) – MDAQMD PERMIT: C009581:**

Midwest Model 200 baghouse with loading spout, equipped with bags to be specified and fan 1-FA-11 (2 hp) generating 760 ACFM (unknown air to cloth ratio). This baghouse vents the drop from belt conveyor 1-BC-4A onto the rejects pile.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The owner/operator (o/o) shall install, operate and maintain this dust collector according to the recommendations of the manufacturer/supplier, and sound engineering principles.
2. The o/o will periodically monitor opacity from stack exhaust according to the following methodology:
  - (i) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
  - (ii) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
  - (iii) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

3. The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
4. The o/o shall install and maintain a device which measures the pressure differential across the bags.
5. This baghouse shall discharge no more than 0.065 lb/hour at a maximum concentration of 0.01 gr/dscf.
6. The owner/operator (o/o) shall limit the annual operating hours of this baghouse to 6,000 hours per year. Records of monthly and yearly hours of operation shall be kept.
7. This baghouse shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.
8. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).
9. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including PM (USEPA Method 5 or equivalent) and/or opacity (USEPA Method 9 or equivalent) testing as applicable for each baghouse, bin vent and fugitive emission point (transfer point or other) associated with this equipment.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

**163. MACT COMPLIANCE PLAN:**

*(See NSPS and NESHAP Requirements in Appendices A and B)*

## PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.  
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).  
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.  
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay any condition contained in this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.  
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.  
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.  
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.  
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).  
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.  
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.  
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.  
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth in Part VI, as discussed in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to Health and Safety Code Sections 42303 or 42705, or 42 U.S.C. §7414 or any other applicable provision of the State or Federal law.  
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.  
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit. [40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit. [40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible. [Section 113(a) of the Clean Air Act]

## PART V OPERATIONAL FLEXIBILITY

### A. ALTERNATIVE OPERATING SCENARIO(S):

Owner/operator individual State/District Permits are already conditioned to allow owner/operator-wide emissions cap and internal netting. Further, the conditions of these State/District level permits are listed within Part III of this Title V Permit. This owner/operator State/District emissions cap is federally enforceable under the conditions of this Title V Permit.

Owner/operator must comply with these already listed conditions and keep records required for a period of five (5) years from the date the data is generated, and made available to District, State or federal personnel on request.

### B. OFF PERMIT CHANGES

- I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
- A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
1. The proposed change is not:
    - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)d.]*
    - b. A modification under Title I of the Federal Clean Air Act; or
    - c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) d.]*
    - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)c.]*
    - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)e.]*
- II. Procedure for “Off Permit” Changes
- A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:
1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
  2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
    - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*
    - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*

- c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*
    - 3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*
  - B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*
  - C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
  - D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*
- III. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
  - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]* [Rule 1203(E)(1)(c)]

## PART VI PERMIT SHIELD

Non-Applicable Requirements for Mitsubishi Cement Corporation Cushenbury Plant

Citation	Description	Explanation of Why Requirement is Not Applicable or How Requirement is Modified
NSPS Subpart OOO	New Source Performance Standards for Nonmetallic Mineral Processing	This requirement is not applicable to the primary and secondary limestone crushing system (B001009 and associated control devices), which was constructed prior to the NSPS Subpart OOO applicability cutoff date of August 31, 1983, and is not subject to NSPS Subpart OOO.
40CFR63 Subpart EEE Hazardous Waste Combustors	All Standards in Subpart EEE NESHAP for Hazardous Waste Combustors	These requirements do not apply to the MCC facility because biosolids and tires are not hazardous waste as specified in 40 CFR 261, and MCC does not combust any other waste.
40CFR63 Subpart LLL 63.1350(c)(2)	Procedure for daily visual opacity operations (modification to requirement)	This requirement on the kiln (B001025) is modified as follows, due to clarification requested from Mojave Desert Air Quality Management District. Mitsubishi proposes to comply with (c)(2)(i) and (c)(2)(ii) by performing daily visual opacity observations of the multi-stack baghouse in compliance with NSPS Subpart F, which states: "In the event that visible emissions are observed for a number of emission sites from the control device with multiple stack, Method 9 observations shall be recorded from the emission site with the highest opacity" (40 CFR 60.63(c)).

## PART VII CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)  
40CFR60, Appendix F, Quality Assurance Procedures  
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)  
40CFR61, Subpart M, National Emission Standards for Asbestos  
40CFR72, Permits Regulation (Acid Rain Program)  
40CFR73, Sulfur Dioxide Allowance System  
40CFR75, Continuous Emission Monitoring  
40CFR75, Subpart D, Missing Data Substitution Procedures  
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures  
40CFR75, Appendix C, Missing Data Estimating Procedures  
40CFR75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol  
40CFR75, Appendix F, Conversion Procedures  
40CFR75, Appendix G, Determination of CO<sub>2</sub> Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
Dia.	diameter
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power

NH <sub>3</sub>	ammonia
NMOC	non-methane organic compounds
NO <sub>x</sub>	oxides of nitrogen
NO <sub>2</sub>	nitrogen dioxide
O <sub>2</sub>	oxygen
pH	pH (acidity measure of solution)
PM <sub>10</sub>	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO <sub>x</sub>	oxides of sulfur
SO <sub>2</sub>	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

## **APPENDIX A**

### **List of Units by Category and Applicability of Requirements**

**New Table A-1 for Title V Permit 11800001**

<b>Equipment Category</b>	<b>Equipment Description</b>	<b>MDAQMD Permit #</b>	<b>Control Device Permit #</b>	<b>MCC Device #</b>
C.1a Raw Mill and Finish Mill Subject to NESHAP Subpart LLL (See Tables B-6 and B-8)	Raw Mill 3-GM-1	B001019	C001020	3-DC-4
			C001021	3-DC-5
			C001023	3-DC-6
			C001024	3-DC-7
	Finish Mill 5-FM-1	B001034	C000998	5-DC-8
			C000995	5-DC-9
			C000961	5-DC-10
	Finish Mill 5-FM-2	B001036	C001000	5-DC-6&7
			C005164	5-DC-24
	Finish Mill 5-FM-3	B001035	C000965	5-DC-11
			C001469	5-DC-12
	Finish Mill 5-FM-4	B001033	C001037	5-DC-2
			C001044	5-DC-1
C009579			5-DC-3	

Equipment Category	Equipment Description	MDAQMD Permit #	Control Device Permit #	MCC Device #
C.1b Other Affected Sources Subject to NESHAP Subpart LLL (See Tables B-7 and B-8)	Clinker Inside Storage	B000983	C001342	4-DC-14
	South Rail Loadout	B000991	C001471	6-DC-20
	South Rail Loadout	B000991	C009656	6-DC-27
	Cement Packer #1	B000993	C001464	6-DC-4
	Clinker Transfer	B001032	C000999	4-DC-45
	Raw Materials Silos	B001858	C000996	5-DC-16
			C001001	5-DC-18
	Type II South Loadout	B001865	C000990	6-DC-17
	Type II North Loadout		C001870	6-DC-16
	Cement Packer #2	B001866	C001463	6-DC-3
	Plastic Loadout	B001871	C001465	6-DC-21
	Hardie Loadout	B001872	C001466	6-DC-22
	Cement Packer #3	B001985	C001462	6-DC-2
	Block Loadout	B002109	C002111	6-DC-24
	Clinker Transfer	B002137	C001026	4-DC-40
	Clinker Transfer		C001340	4-DC-41
	Gravity Cooler		C002782	4-DC-46
	Roller Press 5RP-1	B002405	C002406	5-DC-41
	Cement Transfer	T000985	C000988	5-DC-5
	Clinker Storage	T001031	C001029	4-DC-12
	Cement Silos 1-12	T001869	C001808	6-DC-5
	Cement Silos 13-18		C001809	6-DC-12
	Clinker Holding Silo	T002228	C002229	4-DC-47
	Clinker Storage	T002093	C001027	4-DC-11
	Clinker Domes		--	--
	Type III Loadout	T003235	C003236	6-DC-26
	Truck Cleaning*	----	C001467	6-DC-23
	Fly Ash Transfer	B001983	C000972	5-DC-17
	Alkali Dust Kiln Bypass System	B001984	C001028	4-DC-5 thru 10
	South Cement Loadout	B000989	--	--
	Blending Operation for Kiln Feed	B001857	--	--
	North Cement Loadout	B001864	--	--
	Cement Unload Equipment	B002089	--	--
	Raw Materials Silo	T000971	--	--
	North Cement Storage Silos 20,22	T000987	--	--
	Clinker Loadout	T001030	--	--
	Raw Mix Blending Station	T002090	--	--
	Cement Storage and transfer Silos	T002110	--	--
	Clinker Storage	T002094	--	--
	Clinker Cooling Exhaust	B002138	--	--
Clinker Dome to Replace Stockpile	B009582	--	--	
Clinker Dome Dust Collector	--	C009583	4-DC-49	
Clinker Dome Dust Collector	--	C009585	4-DC-50	
Clinker Dome Dust Collector	--	C009587	4-DC-53	

Equipment Category	Equipment Description	MDAQMD Permit #	Control Device Permit #	MCC Device #
C.1c Coal Handling & Storage Subject to NSPS Subpart Y (See Tables B-1 and B-3)	Coal Unload	B001007	C001005	7-DC-1
	Coal Reclaim	B001039	C001003	7-DC-3
	Coal Reclaim		C001006	7-DC-5
	Coal Bin		C001343	7-DC-6
	Coal Silo		C001002	7-DC-9
	Coal Mill #4	B001868	C001041	7-DC-8
	Coal Mill #3	B002784	C001042	7-DC-7
	Auxiliary Coal Transport	B001986	--	--
	Silo Storage	T002097	--	--
C.1d Sand Plant Subject to NSPS Subpart OOO (See Tables B-2 and B-3)	Sand silos	B003948	C003949	1-DC-1
	Sand Plant		C008145	1-DC-4
	Sand Plant		C008146	1-DC-5
	Sand Plant		C008147	1-DC-6
	Sand Plant		C008148	1-DC-7
	Sand Plant		C008149	1-DC-8
	Sand Plant		C008150	1-DC-9
	Sand Plant		C008151	1-DC-10
	Sand Plant		C009581	1-DC-11
	Sand Bagging*	T004299	C004289	1-DC-2
	Sand bagging*		C004290	1-DC-3

Equipment Category	Equipment Description	MDAQMD Permit #	Control Device Permit #	MCC Device #
C.1e Source not Subject to NSPS or NESHAP	Gypsum Unloading	B000975	C002785	5-DC-15A&B
	Crushing & Blending	B001009	C001013	2-DC-1
	Clay System	B001010	C001333	2-DC-4
	Clay System		C001334	2-DC-5
	Crushing & Blending	B001011	C001014	2-DC-2
	Crushing & Blending		C001016	2-DC-3
	Crushing & Blending		C001017	3-DC-1
	Crushing & Blending		C001335	2-DC-6
	Crushing & Blending		C001336	2-DC-7
	Crushing & Blending		C001337	2-DC-8
	Crushing & Blending		C001339	2-DC-9
	Additive System	B001012	C001015	3-DC-2
	Additive System		C001018	3-DC-3
	Gypsum System	B001859	C000976	5-DC-20
	Gypsum System		C003209	5-DC-23
	Gypsum Storage	T002096	--	--
	Clay Dome Reclaim System	B001979	--	--
	Bio-Solids Handling System	B004694	--	--
Storage - Raw Additive	T002091	--	--	
Silo - Storage for Additives	T002092	--	--	
Silo - Storage for Additives	T002095	--	--	
Storage Gypsum/Clay	T002139	--	--	
C.2 Kiln and Clinker Cooler Subject to NESHAP Subpart LLL (See Tables B-4, B-5, and B-8)	Preheater, precalcinator Kiln System	B001025	C001338	3-DC-10 thru 45
	Clinker Cooler		C000984	4-DC-15 thru 37
	Clinker Cooler		C000984	4-DC-15 thru 37

Equipment Category	Equipment Description	MDAQMD Permit #	Control Device Permit #	MCC Device #
C.3 Internal Combustion Engines	Internal Combustion Engine, Portable	B003512	--	871-023
	Internal Combustion Engine, Portable	B003513	--	871-010
	IC Engine, Emergency Diesel Generator	E007911	--	733-002
	IC Engine, Emergency Diesel Generator	E007913	--	733-003
	IC Engine, Emergency Diesel Generator	E008201	--	O-EM-1
	IC Engine, Emergency Diesel Generator	E008202	--	733-008
	IC Engine, Emergency Diesel Generator	E008203	--	733-006
	IC Engine, Standby Air Compressor	CARB Portable Registration # 125382	--	837-301
	IC Engine, Standby Air Compressor	CARB Portable Registration # 125379	--	837-013
	IC Engine, Standby Air Compressor	CARB Portable Registration # 125380	--	837-007
	IC Engine, Standby Air Compressor	CARB Portable Registration # 125381	--	837-004
	IC Engine, Standby Welder	B009464	--	725-046
	IC Engine, Standby Welder	B009465	--	725-047
	IC Engine, Standby Welder	B009466	--	725-049
	IC Engine, Standby Generator	B009467	--	733-001
	IC Engine, Standby Air Compressor	B009469	--	871-029
	IC Engine, Standby Air Compressor	B009463	--	871-030
	IC Engine, Standby Air Compressor	B009470	--	871-031
IC Engine, Standby Air Compressor	B009472	--	871-032	
IC Engine, Standby Welder Engine	B009462	--	725-051	
C.4 Waste Oil Tank	Waste Oil Tank	T005181	--	--
C.5 Gasoline Dispensing Facility	Gasoline Dispensing Facility (Non-retail)	N007349	--	--

**Table A-2. List of Applicable MDAQMD Rules and Federal Requirements**

Rule (version)	Rule Description	Solid Materials Handling						Internal Combustion Engines	Waste Oil Tank	Gasoline Dispensing Facility
		Raw Mill and Finish Mill Subject to NESHAP Subpart LLL	Other Affected Sources Subject to NESHAP Subpart LLL	Coal Handling & Storage Subject to NSPS Subpart Y	Sand Plant Subject to NSPS Subpart OOO	Sources not Subject to NSPS or NESHAP	Kiln and Clinker Cooler Subject to NESHAP Subpart LLL			
		C.1a	C.1b	C.1c	C.1.d	C.1e	C.2			
<i>SIP approved MDAQMD Rules</i>										
Rule 203 (7/25/1977)	Permit to Operate	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 204 (7/25/1977)	Permit Conditions	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 206 (7/25/1977)	Posting	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 207 (7/25/1977)	Altering & Falsifying a Permit	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 209 (7/25/1977)	Transfer & Voiding of Permit	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 217 (7/25/1977)	Testing	Y	Y	Y	Y	Y	Y	Y	N	N
Rule 218 (7/25/1977)	Stack Monitoring	N	N	N	N	N	Y	N	N	N
Rule 221 (12/21/1994)	Federal Permit	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 401 (7/25/1977)	Visible Emission	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 403 (7/25/1977)	Fugitive Dust	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 404 (7/25/1977)	PM Concentration	Y	Y	Y	Y	Y	Y	Y	N	N
Rule 405 (7/25/1977)	PM Mass Emission	Y	Y	Y	Y	Y	Y	N	N	N
Rule 406(a) (2/20/1979)	Specific Gas	N	N	N	N	N	Y	Y	N	N
Rule 407 (7/25/1977)	CO Emission	N	N	N	N	N	Y	N	N	N
Rule 408 (7/25/1977)	Circumvention	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 409 (7/25/1977)	Combustion Contaminants	N	N	N	N	N	Y	Y	N	N
Rule 431 (7/25/1977)	Sulfur Content of Fuels	N	N	N	N	N	Y	Y	N	N

MDAQMD Federal Operating Permit  
 MITSUBISHI CEMENT CORPORATION – Cushenbury Plant  
 Permit Number: 11800001

Rule 432 (7/25/1977)	Gasoline Specification	N	N	N	N	N	N	N	N	Y
Rule 442 (7/20/1979)	Use of Solvents	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 461 (5/25/1994)	Gasoline Transfer & Dispensing	N	N	N	N	N	N	N	N	Y
Rule 462 (5/25/1994)	Organic Liquid Loading	N	N	N	N	N	N	N	N	Y
Rule 463 (11/02/1992)	Organic Liquid Storage	N	N	N	N	N	N	N	N	Y
Rule 1104 (9/28/1994)	Degreasing	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 1115 (4/22/1996)	Metal & Products Coating	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 1161 (3/25/2002)	Cement Kilns	N	N	N	N	N	Y	N	N	N
<b><i>Non-Federally Enforceable SIP-pending MDAQMD Rules</i></b>										
Rule 219 (10/23/00)	Equipment Not Requiring a Permit	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 403.2 (7/22/96)	Fugitive Dust Control for the Mojave Desert Planning Area	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 1113 (2/24/03)	Architectural Coating	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b><i>Prior SIP-approved versions of SIP-pending MDAQMD Rules</i></b>										
Rule 219 (7/25/1977)	Equipment Not Requiring a Permit	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rule 1113 (2/20/1979)	Architectural Coating	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b><i>Other Federally enforceable Requirements</i></b>										
Rule 900	NSPS, Part 60. Subpart A, Y, & OOO	N	N	Y	Y	N	N	N	N	N
Rule 1000	NESHAP, Part 61, M (asbestos)	N	N	N	N	N	N	N	N	N
Regulation XII	Title V Permit	Y	Y	Y	Y	Y	Y	Y	Y	Y
Regulation XV	NESHAP, Part 63 Subpart A & LLL	Y	Y	N	N	N	Y	N	N	N
40 CFR 64	Compliance Assurance Monitoring	N	N	N	N	N	N	N	N	N
40 CFR 82	Ozone Depleting Chemicals (refrigerants)	N	N	N	N	N	N	N	N	N

## **APPENDIX B**

### **NSPS Subparts A, Y, and OOO and NESHAP Subparts A and LLL Requirements**

**Table B-1: NSPS Subpart A and Subpart Y Requirements for Coal Handling Units**

§60.252(c) Limit opacity to 20% using EPA Method 9 for opacity

§60.7(a)(4) Notify the Administrator of planned changes to the operation or equipment.

§60.7(b) Keep records of the occurrence and duration of any startup, shutdown, or malfunction in operation.

§60.11(c) The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction.

§60.11(d) At all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

## **NSPS Subpart A and Subpart OOO Requirements**

New Source Performance Standard (NSPS) Subpart OOO applies to Nonmetallic Mineral Processing Plants that can process more than 25 tons per hour constructed or modified after August 31, 1983. Subpart OOO regulates emissions of particulate matter in an effort to control and reduce emissions to the area surrounding the applicable source. Any source subject to an NSPS subpart is also subject to the general requirements of the NSPS program contained in Subpart A. This attachment lists the applicable requirements of these subparts to the MCC sand plant.

### **Stack Emissions Requirements – Other Than Individual Bin Vents**

#### **§60.672(a)(1) and §60.672(g): Particulate Matter Emission Limit**

Limit stack particulate matter (PM<sub>10</sub>) emissions to 0.022 gr/dscf for any transfer point for belt conveyors or any other affected facility, including multiple storage bins with combined stack emissions (not including baghouse's that control emissions only from an individual enclosed storage bin)

#### **§60.672(a)(2) and §60.672(g): Opacity Limit**

Limit stack emission opacity to 7% for any transfer point for belt conveyors or any other affected facility, including multiple storage bins with combined stack emissions

#### **§60.8 and §60.675: Initial Compliance Testing:**

Perform initial compliance testing within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup and at such other times as may be required by the Administrator under Section 114 of the Clean Air Act. Conduct test under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. Use EPA Method 5 or Method 17 to determine compliance with the PM<sub>10</sub> standard and use EPA Method 9 to determine compliance with opacity standard.

- **Particulate Matter Testing:** The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121°C (250°F), to prevent water condensation on the filter.
- **Opacity Testing – Duration:** For multiple storage bins with combined stack emissions, the minimum total time of observations shall be 3 hours (30 6-minute averages). The duration may be reduced from 3 hours to 1 hour if there are no individual readings greater than the opacity limit and there are no more than 3 readings greater than the opacity limit for the 1-hour period.
- **Opacity Testing – Method:** The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. For affected facilities using wet dust suppression for particulate matter control, the spray sometimes generates a visible mist. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

## **NSPS Subpart A and Subpart OOO Requirements**

- **Initial Testing Notification Requirement:** A 30-day notice is required prior to the initial performance test. If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

## **NSPS Subpart A and Subpart OOO Requirements**

### **Stack Emissions Requirements – Individual Bin Vents**

#### **§60.672(f): Opacity Limit – Stack Emissions – Individual Storage Bins**

Limit stack emission opacity to 7% for any baghouse that controls emissions from only an individual enclosed storage bin

#### **§60.8 and §60.675: Initial Compliance Testing:**

Perform initial compliance testing within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup and at such other times as may be required by the Administrator under Section 114 of the Clean Air Act. Conduct test under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. Use EPA Method 9 to determine compliance with opacity standard.

- **Opacity Testing – Duration:** For baghouse's that control emissions only from an individual enclosed storage bin, the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages).
- **Opacity Testing – Method:** The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. For affected facilities using wet dust suppression for particulate matter control, the spray sometimes generates a visible mist. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- **Initial Testing Notification Requirement:** A 30-day notice is required prior to the initial performance test. If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

## NSPS Subpart A and Subpart OOO Requirements

### Fugitive Emissions Requirements

#### §60.672(b): Opacity Limit – Fugitive Emissions – Transfer Points

Limit fugitive emission opacity to 10% for any transfer point on belt conveyors or any other affected facility

#### §60.672(c): Opacity Limit – Fugitive Emissions – Uncontrolled Crusher

Limit fugitive emission opacity to 15% from any crusher at which a capture system is not used.

#### §60.672(d): Truck Dumping

Truck dumping is exempt from above limits

#### §60.8 and §60.675: Initial Compliance Testing:

Perform initial compliance testing within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup and at such other times as may be required by the Administrator under Section 114 of the Clean Air Act. Conduct test under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. Use EPA Method 9 to determine compliance with opacity standard.

- **Opacity Testing – Duration:** For transfer points on belt conveyors and any other affected facility, the minimum total time of observations shall be 3 hours (30 6-minute averages). The duration may be reduced from 3 hours to 1 hour if there are no individual readings greater than the opacity limit and there are no more than 3 readings greater than the opacity limit for the 1-hour period.
- **Opacity Testing – Method:** The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. For affected facilities using wet dust suppression for particulate matter control, the spray sometimes generates a visible mist. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- **Initial Testing Notification Requirement:** A 30-day notice is required prior to the initial performance test. If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

## **NSPS Subpart A and Subpart OOO Requirements**

### **General Requirements**

#### **§60.7(a)(4): General Notification Requirements**

Notify the Administrator of planned changes to the operation or equipment.

#### **§60.7(b): Startup, Shutdown, & Malfunction Recordkeeping Requirements:**

Keep records of the occurrence and duration of any startup, shutdown, or malfunction in operation.

#### **§60.11(c): Startup, Shutdown, & Malfunction Opacity Exemption:**

The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction.

#### **§60.11(d): General Maintenance and Operation Requirements:**

At all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

#### **§60.676(a): Equipment Replacement Reporting Requirement:**

Submit required information in case of equipment replacement.

#### **§60.676 (f): Test Performance Results Reporting Requirement:**

Submit a written report of all performance tests conducted to demonstrate compliance with the PM<sub>10</sub> and opacity standards.

#### **§60.676 (h): Anticipated Startup Date Reporting Requirement Exemption:**

The requirement for notification of the anticipated date of initial startup is waived.

#### **§60.676 (i): Actual Startup Date Reporting Requirement:**

Notify the Administrator of the actual date of initial startup.

## **NSPS Subpart A and Subpart LLL Requirements**

National Emission Standards for Hazardous Air Pollutants Subpart LLL applies to equipment (e.g., kilns, clinker coolers, finish mills, etc.) associated with the Portland Cement Manufacturing Industry. Subpart LLL regulates emissions of particulate matter, trace heavy metal emissions, and dioxins/furans in an effort to reduce health risks to areas surrounding the applicable source. Any source subject to an NESHAP subpart is also subject to the general requirements of the NSPS program contained in Subpart A. This attachment lists the applicable requirements of these subparts to the MCC facility.

### **Kiln #B001025-1 Requirements**

#### **§63.1343(b)(1): Particulate Matter Emission Limit**

Limit PM emissions to 0.30 lb/ton of dry feed.

#### **§63.1343(b)(2): Opacity Limit**

Limit opacity to 20%.

#### **§63.1343(b)(3)(i): Dioxin/Furan Emission Limit**

Limit D/F emissions to  $8.7 \times 10^{-11}$  grains (TEQ) per dscf of exhaust gases @ 7% O<sub>2</sub>, or  $1.7 \times 10^{-10}$  grains (TEQ) per dscf of exhaust gases @ 7% O<sub>2</sub> for temperatures below 400 °F.

#### **§63.1344(a) & (b): Baghouse Temperature Limit**

Limit temperature at kiln baghouse inlet to values measured during D/F performance test (with raw mill on and off, respectively).

#### **§63.1349(b)(1): Initial Performance Test – PM & Opacity**

Conduct an initial performance test for PM and opacity using EPA Method 5 for PM and Method 9 for opacity. Test at the highest load or capacity reasonably expected to occur. Minimum 3 separate runs. Minimum sample volume 30 dscf. Back half is not included. Report results in lb/ton feed. Maximum 6-minute average opacity during each of 3 PM tests.

#### **§63.1349(b)(3): Initial Performance Test – D/F**

Conduct an initial performance test for D/F using EPA Method 23. Minimum 3 separate runs. Minimum sample volume 90 dscf PM D inlet temperature must be monitored. Test with raw mill on and raw mill off, separately.

#### **§63.1349(c): Continuing Performance Tests – PM**

Repeat performance test for PM every 5 years.

#### **§63.1349(d): Continuing Performance Tests – D/F**

Repeat performance test for D/F every 30 months.

#### **§63.1349(e): Continuing Performance Tests – Feed or Fuel Change**

Repeat performance test for PM, opacity, and D/F within 360 hours of initiating any significant change in the feed or fuel from that used in the previous performance test.

## **NSPS Subpart A and Subpart LLL Requirements**

### **§63.6(e)(3): SSM Plan**

Develop startup, shutdown, and malfunction (SSM) plan.

### **§63.1350(a): O&M Plan**

Prepare an operations and maintenance (O&M) plan.

### **§63.1350(c)(2): Daily Opacity Monitoring**

Perform daily opacity monitoring using EPA Method 9 for at least 30 minutes each day. Record the average opacity for each 6-minute period. To be in compliance, no 6-minute period can exceed 10%. The highest emission site will be identified based on a 6-minute Method 9 test covering the entire exhaust from the multi-stack baghouse, and a 30-minute Method 9 will be performed at that site.

### **§63.1350(f)(1) through (f)(5): Continuous Temperature Monitor - Installation**

Install continuous temperature monitor and recording device for baghouse inlet gas (record on three-hour average basis distinguishing between periods when the raw mill is online and offline).

### **§63.1350(f)(6): Continuous Temperature Monitor - Calibration**

Calibrate thermocouples and/or temperature sensors every 3 months.

### **§63.1350(i): Annual Inspection – Combustion System**

Perform annual inspection of the components of the combustion system.

### **§63.8(c): CMS Installation**

Follow requirements for CMS installation and identify out-of-control periods for temperature monitor.

### **§63.8(d): CMS QC Program**

Develop a CMS QC program for temperature monitor.

### **§63.8(e): CMS QC Performance Evaluation**

Conduct a CMS performance evaluation for the temperature monitor.

### **§63.1353(b)(2) & §63.9(e): Performance Test Notification Requirements**

Notify administrator of performance test and opacity observation at least 60 calendar days before scheduled test date.

### **§63.1353(b)(5): Performance Test Results (Compliance Status) Notification Requirements**

Notification of compliance status within 30 or 60 days after performance test completed.

### **§63.1354(b)(1) & (2) & §63.10(d)(2)&(3): Reporting Requirements – Test Results**

Submit results of performance test and opacity observations within 60 days after completion of test.

### **§63.1354(b)(4) & §63.10(d)(5)(i): Semiannual Malfunction Report**

## **NSPS Subpart A and Subpart LLL Requirements**

Submit semiannual report of all malfunctions, SSM actions consistent with SSM plan, and SSM actions not consistent with SSM plan but not resulting in excess emissions, within 30 days following the end of the semiannual period.

### **§63.1354(b)(5) & §63.10(d)(5)(ii): Deviation Reporting**

Notify EPA and MDAQMD within 2 working days of actions not consistent with SSM plan, followed by certified letter within 7 days.

### **§63.1354(b)(9) & §63.10(c): Semiannual Temperature Monitoring Report**

Submit semiannual summary report of gas temperature monitoring and recording device.

### **§63.1355(a) & (b) & §63.10(b) & (c): Recordkeeping Requirements**

Keep records for 5 years from the date of occurrence for:

- Applicability determination
- Notifications of performance tests
- Results of performance tests
- SSM records, including actions not consistent with SSM plans
- O&M records, including discrepancies
- VE/opacity inspections
- Temperature monitoring data
- Thermocouple calibrations
- Temperature CMS records
- Semiannual reports and other reports

## **NSPS Subpart A and Subpart LLL Requirements**

### **Clinker Cooler #B001025-2 Requirements**

#### **§63.1345(a)(1): Particulate Matter Emission Limit**

Limit PM emissions to 0.10 lb/ton of dry feed.

#### **§63.1345(a)(2): Opacity Limit**

Limit opacity to 10 %.

#### **§63.1349(b)(1): Initial Performance Test – PM & Opacity**

Conduct an initial performance test for PM and opacity using EPA Method 5 for PM and Method 9 for opacity. Test at the highest load or capacity reasonably expected to occur. Minimum 3 separate runs. Minimum sample volume 30 dscf. Back half is not included. Report results in lb/ton feed. Maximum 6-minute average opacity during each of 3 PM tests.

#### **§63.1349(c): Continuing Performance Tests – PM**

Repeat performance test for PM every 5 years.

#### **§63.6(e)(3): SSM Plan**

Develop startup, shutdown, and malfunction (SSM) plan.

#### **§63.1350(a): O&M Plan**

Prepare an operations and maintenance (O&M) plan.

#### **§63.1350(d)(2): Daily Opacity Monitoring**

Perform daily opacity monitoring using EPA Method 9 for at least 30 minutes each day. Record the average opacity for each 6-minute period. To be in compliance, no 6-minute period can exceed 10%.

#### **§63.1350(b)(2) & §63.9(e): Daily Opacity Monitoring**

Perform daily opacity monitoring using EPA Method 9 for at least 30 minutes each day. Record the average opacity for each 6-minute period. To be in compliance, no 6-minute period can exceed 10%.

#### **§63.1353(b)(2) & §63.9(e): Performance Test Notification Requirements**

Notify administrator of performance test and opacity observation at least 60 calendar days before scheduled test date.

#### **§63.1353(b)(5): Performance Test Results (Compliance Status) Notification Requirements**

Notification of compliance status within 30 or 60 days after performance test completed.

#### **§63.1354(b)(1) & (2) & §63.10(d)(2)&(3): Reporting Requirements – Test Results**

Submit results of performance test and opacity observations within 60 days after completion of test.

#### **§63.1354(b)(4) & §63.10(d)(5)(i): Semiannual Malfunction Report**

## **NSPS Subpart A and Subpart LLL Requirements**

Submit semiannual report of all malfunctions, SSM actions consistent with SSM plan, and SSM actions not consistent with SSM plan but not resulting in excess emissions, within 30 days following the end of the semiannual period.

## **NSPS Subpart A and Subpart LLL Requirements**

### **§63.1354(b)(5) & §63.10(d)(5)(ii): Deviation Reporting**

Notify EPA and MDAQMD within 2 working days of actions not consistent with SSM plan, followed by certified letter within 7 days.

### **§63.1355(a) & (b) & §63.10(b) & (c): Recordkeeping Requirements**

Keep records for 5 years from the date of occurrence for:

- Applicability determination
- Notifications of performance tests
- Results of performance tests
- SSM records, including actions not consistent with SSM plans
- O&M records, including discrepancies
- VE/opacity inspections
- Reports

## **NSPS Subpart A and Subpart LLL Requirements**

### **Raw Mills and Finish Mills Requirements**

#### **§63.1347: Opacity Limit**

Limit opacity to 10 %.

#### **§63.1349(b)(2): Initial Performance Test – Opacity**

Conduct an initial performance test for opacity using EPA Method 9. The duration of the test shall be 3 hours but may be reduced to 1 hour if certain conditions are met.

#### **§63.1349(c): Continuing Performance Tests – Opacity**

Repeat performance test for opacity every 5 years.

#### **§63.6(e)(3): SSM Plan**

Develop startup, shutdown, and malfunction (SSM) plan.

#### **§63.1350(a): O&M Plan**

Prepare an operations and maintenance (O&M) plan.

#### **§63.1350(e): Daily Opacity Monitoring**

Perform daily opacity monitoring using EPA Method 22 for six minutes.

#### **§63.1350(e)(1) & (e)(2): Daily Opacity Monitoring**

If visible emissions are observed during opacity monitoring, perform corrective actions within 1 hour according to O&M plans, followed by VE inspection using EPA Method 9 within 24 hours.

#### **§63.1353(b)(3) & §63.9(f): Performance Test Notification Requirements**

Notify administrator of opacity test at least 30 calendar days before scheduled test date.

#### **§63.1353(b)(5): Performance Test Results (Compliance Status) Notification Requirements**

Notification of compliance status within 30 or 60 days after performance test completed.

#### **§63.1354(b)(2) & §63.10(d)(3): Reporting Requirements – Test Results**

Submit results of opacity observations before 30 days following the completion of the VE/opacity observation.

#### **§63.1354(b)(4) & §63.10(d)(5)(i): Semiannual Malfunction Report**

Submit semiannual report of all malfunctions, SSM actions consistent with SSM plan, and SSM actions not consistent with SSM plan but not resulting in excess emissions, within 30 days following the end of the semiannual period.

#### **§63.1354(b)(5) & §63.10(d)(5)(ii): Deviation Reporting**

Notify EPA and MDAQMD within 2 working days of actions not consistent with SSM plan, followed by certified letter within 7 days.

## **NSPS Subpart A and Subpart LLL Requirements**

### **§63.1355(a) & (b) & §63.10(b) & (c): Recordkeeping Requirements**

Keep records for 5 years from the date of occurrence for:

- Applicability determination
- Notifications of performance tests
- Results of performance tests
- SSM records, including actions not consistent with SSM plans
- O&M records, including discrepancies
- VE/opacity inspections
- Reports

## **NSPS Subpart A and Subpart LLL Requirements**

### **Other Affected Sources Requirements**

#### **§63.1348: Opacity Limit**

Limit opacity to 10 %.

#### **§63.1349(b)(2): Initial Performance Test – Opacity**

Conduct an initial performance test for opacity using EPA Method 9. The duration of the test shall be 3 hours but may be reduced to 1 hour if certain conditions are met.

#### **§63.1349(c): Continuing Performance Tests – Opacity**

Repeat performance test for opacity every 5 years.

#### **§63.6(e)(3): SSM Plan**

Develop startup, shutdown, and malfunction (SSM) plan.

#### **§63.1350(a): O&M Plan**

Prepare an operations and maintenance (O&M) plan.

#### **§63.1350(a)(4): Continuing Opacity Monitoring**

Perform 1-minute opacity monitoring using EPA Method 22 monthly, semi-annually, or annually. If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests. If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

#### **§63.1353(b)(1): Initial Applicability Notification**

If visible emissions are observed during opacity monitoring, perform corrective actions within 1 hour according to O&M plans, followed by VE inspection using EPA Method 9 within 24 hours.

#### **§63.1353(b)(1): Initial Applicability Notification**

If visible emissions are observed during opacity monitoring, perform corrective actions within 1 hour according to O&M plans, followed by VE inspection using EPA Method 9 within 24 hours.

#### **§63.1353(b)(3) & §63.9(f): Performance Test Notification Requirements**

Notify administrator of opacity test at least 30 calendar days before scheduled test date.

#### **§63.1353(b)(5): Performance Test Results (Compliance Status) Notification Requirements**

Notification of compliance status within 30 or 60 days after performance test completed.

#### **§63.1354(b)(2) & §63.10(d)(3): Reporting Requirements – Test Results**

## **NSPS Subpart A and Subpart LLL Requirements**

Submit results of opacity observations before 30 days following the completion of the VE/opacity observation.

## NSPS Subpart A and Subpart LLL Requirements

### §63.1354(b)(4) & §63.10(d)(5)(i): Semiannual Malfunction Report

Submit semiannual report of all malfunctions, SSM actions consistent with SSM plan, and SSM actions not consistent with SSM plan but not resulting in excess emissions, within 30 days following the end of the semiannual period.

### §63.1354(b)(5) & §63.10(d)(5)(ii): Deviation Reporting

Notify EPA and MDAQMD within 2 working days of actions not consistent with SSM plan, followed by certified letter within 7 days.

### §63.1355(a) & (b) & §63.10(b) & (c): Recordkeeping Requirements

Keep records for 5 years from the date of occurrence for:

- Applicability determination
- Notifications of performance tests
- Results of performance tests
- SSM records, including actions not consistent with SSM plans
- O&M records, including discrepancies
- VE/opacity inspections
- Reports

## Summary of Applicable Sections of Subpart LLL & A

Section #	Section Title	Applicability (yes/no)	Exceptions?
§63.1	Applicability	Yes, except	63.1(b)(1) See 63.1340
§63.2	Definitions	Yes	
§63.3	Units and Abbreviations	Yes	
§63.4	Prohibited Activities and Circumvention	Yes	
§63.5	Construction and Reconstruction	Yes	
§63.6	Compliance with Standards & Maintenance Requirements	Yes, except	63.6(h)(5) See LLL
§63.7	Performance Testing Requirements	Yes	
§63.8	Monitoring Requirements	Yes, except 63.8(c)	Data reduction per LLL
§63.9	Notification	Yes, except	63.9(f), not required per 63.1350 (e) & (j)
§63.10	Recordkeeping and Reporting	Yes	
§63.11	Control Device Requirements	No	All sections do not apply
§63.12	State Authority and Delegations	Yes	
§63.13	Addresses of State Agencies and	Yes	

### NSPS Subpart A and Subpart LLL Requirements

Section #	Section Title	Applicability (yes/no)	Exceptions?
	EPA Regional Offices		
§63.14	Incorporation by Reference	Yes	
§63.15	Availability of Information and Confidentiality	Yes	
§63.1340	Applicability and Designation of Affected Sources	Yes	
§63.1341	Definitions	Yes	
§63.1342	Standards: General	Yes	
§63.1343	Standards for Kilns and In-line Kiln/Raw Mills	Yes, except	63.1343(c), (d) & (e)
§63.1344	Operating Limits for Kilns and In-line Kiln/Raw Mills	Yes, except	63.1344(c), (d) & (e)
§63.1345	Standards for Clinker Coolers	Yes	
§63.1346	Standards for New and Reconstructed Raw Material Dryers	No	
§63.1347	Standards for Raw and Finish Mills	Yes	
§63.1348	Standards for Affected Sources Other than Kilns; In-line Kiln/Raw Mills; Clinker Coolers; New and Reconstructed Raw Material Dryers; and Raw and Finish Mills	Yes	
§63.1349	Performance Testing Requirements	Yes, except	63.1349(b)(3)(v) and (vi), (b)(4)
§63.1350	Monitoring Requirements	Yes, except	63.1350(c)(1), (d)(1), (g), (h) & (K)
§63.1351	Compliance Dates	Yes	
§63.1352	Additional Test Methods	Yes	
§63.1353	Notification Requirements	Yes, except	(b)(4)
§63.1354	Reporting Requirements	Yes, except	(b)(7)
§63.1355	Recordkeeping Requirements	Yes	
§63.1356	Exemption from new Source Performance Standards	Yes	
§63.1357	Temporary, Conditioned Exemption from Particulate Matter and Opacity Standards	Yes	
§63.1358	Delegation of Authority	Yes	