ALBUQUERQUE/BERNALILLO COUNTY
AIR QUALITY CONTROL BOARD
TITLE V OPERATING PERMIT #0532-RN2
FACILITY CDS #NM/001/00008
Facility ID: FA0003373; Record ID: PR0011863

Timothy M. Keller, Mayor

Angel Martinez, Jr. Director

Issued to: GCC Rio Grande, Inc.
P.O. Box 100, Tijeras, NM 87059
Facility: Tijeras Portland Cement Manufacturing Facility

Certified Mail #7017 0530 0001 1410 0554
Return Receipt Requested

The Albuquerque Environmental Health Department, Air Quality Program (Department) and the Albuquerque/Bernalillo County Air Quality Control Board (A/BCAQCB); pursuant to the Federal Clean Air Act (CAA, also known herein as the Federal Act); the New Mexico Air Quality Control Act, NMSA 1978, as amended 74-2-4, 74-2-5.C; the Joint Air Quality control Board Ordinance, Revised Ordinances of Albuquerque 1994, 9-5-1-4; the Joint air quality Control Board Ordinance, Bernalillo County Ordinance 94-5; A/BCAQCB Regulation Title 20, New Mexico Administrative Code (NMAC), Chapter 11 (20.11 NMAC), chapter 11, Part 41 (20.11.41 NMAC), Authority-To-Construct; Part 42 (20.11.42 NMAC), Operating Permits; and Part 61 (20.11.61 NMAC) Prevention of Significant Deterioration; hereby issue Operating Permit #0532-RN2 to GCC Rio Grande, Inc. (Permittee) which is hereby authorized to operate the following processes at:

Facility/Location	Process Description	SIC	NAICS
GCC Rio Grande, Inc. - Tijeras Plant (Facility) 11783 State Highway 337, Tijeras, NM 87059 UTM 373,180E, 3,881,650N Zone 13	Portland Cement Manufacturing	3241	327310

This Operating Permit has been issued based on the review of the renewal application received by the Department on July 28, 2021, which was deemed administratively complete on October 12, 2022 with supplemental information received on August 26, 2022 and January 20, 2023, and on the National Ambient Air Quality Standards, New Mexico Ambient Air Quality Standards, and Air Quality Control Regulations for Albuquerque/Bernalillo County, as amended. This permit places enforceable limitations and standards on processes at the Facility. The term of this permit is five (5) years. This permit will expire on ____, 2028 which is five years from the date of issuance, pursuant to 20.11.42.12.C.(2) NMAC. **Application for renewal of this permit is due by _____, 2027 which is twelve (12) months prior to the date of expiration, pursuant to 20.11.42.12.A.(2).(a).(ii) NMAC.** This permit #0532-RN2 supersedes permit #0532-RN1.

Pursuant to the New Mexico Air Quality Control Act, NMSA 1978, as amended, all terms and conditions in this permit are enforceable by the Department, including any provisions designed to limit this Facility's emissions. Furthermore, pursuant to 20.11.42.12.C.(1).(e) NMAC, all terms and conditions are enforceable under the Federal Act by the Administrator of the United States Environmental Protection Agency (EPA) and citizens, unless the term or condition is specifically designated in this permit as not being enforceable under the Federal Act.

Issued on the _____ day of _____, 2023

Angela Lopez, Environmental Health Permitting Manager
Air Quality Program
Environmental Health Department
City of Albuquerque

TABLE OF CONTENTS

Abbreviation/Acronym	Definition
A/BCAQCB --	The Albuquerque/Bernalillo County Air Quality Control Board
Administrator --	The Administrator of the United States Environmental Protection Agency
CAA --	The Federal Clean Air Act
CAM --	Compliance Assurance Monitoring
CEMS--	Continuous Emissions Monitoring System
CKD - -	Cement Kiln Dust
CMS - -	Continuous Monitoring System
COMS - -	Continuous Opacity Monitoring System
D/F - -	Dioxin/Furan
dscf - -	Dry standard cubic feet
dscm - -	Dry standard cubic meter
Department - -	The City of Albuquerque Environmental Health Department/Air Quality Program
EPA - -	United States Environmental Protection Agency
EU - -	Emission Unit
Facility - -	GCC Rio Grande Tijeras Portland Cement Manufacturing Facility
Federal Act - -	The Federal Clean Air Act
HAP - -	Hazardous Air Pollutant
hp - -	Horsepower
kW - -	Kilowatt
lb/hr - -	Pound per Hour
MACT - -	Maximum Achievable Control Technology
mg - -	Milligram
Mg - -	Megagram
MMBtu - -	Million British Thermal Units
MM tons	Million tons
ng - -	Nanogram
NAICS - -	North American Industrial Classification System
NESHAP - -	National Emission Standards for Hazardous Air Pollutants
NMSA - -	New Mexico Statutes Annotated
NMAC - -	New Mexico Administrative Code
OMP - -	Operations and Maintenance Plan
20.11 NMAC - -	New Mexico Administrative Code, Title 20, Chapter 11
Permittee	The owner, operator or responsible official at a permitted 20.11.42 NMAC source, as identified in any permit application or modification- GCC Rio Grande, Inc.
PM - -	Particulate Matter

PM_{10} - -	Particulate Matter, 10 microns or less
$PM_{2.5}$ - -	Particulate Matter, 2.5 microns or less
ppm - -	Parts per million
PSD - -	Prevention of Significant Deterioration
PTE - -	Potential to emit
SIC - -	Standard Industrial Classification
SSMP - -	Startup Shutdown Malfunction Plan
THC - -	Total Hydrocarbons
TPY - -	Tons per year
$\mu g/m^3$ - -	Micrograms per cubic meter

1. INTRODUCTION

GCC Rio Grande, Inc. (Permittee) owns and operates a Portland cement manufacturing facility located at 11783 State Highway 337, Tijeras, New Mexico 87059 (Facility). The Facility is defined as an existing major source under 40 CFR 63.2. The Facility is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry, 40 CFR 63, Subpart LLL, and shall implement Maximum Achievable Control Technology (MACT). The operating limitations of this Subpart for an existing source are included in this permit. The Permittee shall comply with all applicable requirements and conditions of Subpart LLL.

The main processes associated with the Facility are as follows: on-site quarry and associated activities, raw materials, additive materials, and fuels receiving and handling, kiln feed preparation, pyroprocessing, clinker cooling, finished cement grinding, and final product production and storage, and shipping.

The Permittee installed new kiln and clinker cooler control equipment with a new stack as authorized by Authority to Construct permit #2197 in order to comply with requirements under 40 CFR 63, Subpart LLL. Authority to Construct permit #2197 was later revised to authorize the use of Tire Derived Fuels in Construction Permit #2197-M1.[1] This permit incorporates the requirements of Construction Permit #2197-M1.

Pursuant to 20.11.42.12.C.(1).(a) NMAC, the Department specifies, with this permit, terms and conditions upon the operation of this facility to assure compliance with all applicable requirements, as defined in 20.11.42 NMAC at the time this permit is issued.

1.1 PERMIT SHIELD

Pursuant to 20.11.42.12.C.(9) NMAC, compliance with the conditions of this permit shall be deemed to be compliance with all applicable requirements existing as of the date of permit issuance and identified in Table 1 below. The requirements in Table 1 are applicable to the Facility with specific requirements identified for individual emission units. Emission units with no applicable requirements are not shown in Table 1. The Department has determined that the requirements shown in the table in Appendix 1 as identified in the permit application are not applicable to this source.

This permit shield does not extend to administrative amendments, to minor permit modifications, to changes made under section 502(b)(10) of the Federal Act, or to permit terms for which notice has been given to reopen or revoke all or part.

[1] Currently, the Facility does not use TDF as a fuel source, but they may use TDF pursuant to construction permit #2197-M1 and this operating permit.

TABLE 1. APPLICABLE REQUIREMENTS FOR THE FACILITY

Applicable Requirements	Federally Enforceable	Entire Facility	Emission Unit
20.11.02 NMAC Permit Fees	X	X	
20.11.05 NMAC Visible Air Contaminants	X	X	
20.11.08 NMAC Ambient Air Quality Standards		X	
20.11.20 NMAC Fugitive Dust Control	X	X	
20.11.23 NMAC Stratospheric Ozone Protection		X	
20.11.40 NMAC Source Registration	X	X	
20.11.41 NMAC Authority to Construct	X	X	
20.11.42 NMAC Operating Permits	X	X	
20.11.46 NMAC Sulfur Dioxide Emissions Inventory Requirements: Western Backstop Sulfur Dioxide Trading Program		X	
20.11.47 NMAC Emissions Inventory Requirements		X	
20.11.49 NMAC Excess Emissions		X	
20.11.61 NMAC Prevention of Significant Deterioration	X	X	
20.11.63 NMAC New Source Performance Standards for Stationary Sources	X	X	
20.11.64 NMAC Emission Standards for Hazardous Air Pollutants for Stationary Sources	X	X	
20.11.65 NMAC Volatile Organic Compounds	X	X	
20.11.66 NMAC Process Equipment	X	X	
20.11.67 NMAC Equipment, Emissions, Limitations	X	X	
20.11.90 NMAC Administrative, Enforcement, Inspection	X	X	
40 CFR 50 National Ambient Air Quality Standards	X	X	
40 CFR 51 Requirements for Preparation, Adoption, and Submittal of Implementation Plans	X	X	
40 CFR 60, Subpart F- Standards of Performance for Portland Cement Plants (see below, 40 CFR 63, Subpart LLL)	X		8-5, 8-6, & 8-7
40 CFR 60, Subpart Y- Standards of Performance for Coal Preparation Plants	X		5-13, 5-14 & 5-15
40 CFR 63, Subpart LLL- National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry Emission units subject to 40 CFR 63, Subpart LLL and operate in accordance with this Subpart shall be in in compliance and accomplish the requirements of the new source performance standards specified in 40 CFR 60, Subpart F pursuant to 63.1356.	X		2-6 to 2-10; 3-1 to 5-2; 5-3 to 5-10; 6-1 to 6-4; 7-1 to 7-11 & 7-13; 8-1 to 9-4

Applicable Requirements	Federally Enforceable	Entire Facility	Emission Unit
40 CFR 63, Subpart ZZZZ- National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines (RICE)	X		Gen-1 & Gen-2
40 CFR 64 Compliance Assurance Monitoring	X	X	
40 CFR 82 Stratospheric Ozone Protection	X	X	
40 CFR 98 Subpart H – Cement Production (GHG Reporting)	X	X	

1.2 TOTAL EMISSIONS

For information only, the total emissions from this Facility are shown in Table 2 below; the insignificant or trivial activities are excluded from Total Emissions and are listed in Table 3. Emission limitations for individual units are shown in Section 5, Table 5.

TABLE 2. Total Pollutant Emissions from Entire Facility

Pollutant	**Emissions** (tons per year)
Nitrogen Oxides (NO_x)	1,520.9
Carbon Monoxide (CO)	1,464.1
Particulate Matter (PM_{10})	120.02
Particulate Matter ($PM_{2.5}$)	34.2
Volatile Organic Compounds (VOC)	78.7
Sulfur Dioxide (SO_2)	848.4
Total HAPs	50.7

*Information purposes only, not an enforceable condition.

1.3 INSIGNIFICANT ACTIVITIES EMISSIONS FROM ENTIRE FACILITY[2]

Activities that meet the criteria of being insignificant or de minimis pursuant to this paragraph, do not trigger modification requirements under 20.11.41 NMAC or 20.11.42 NMAC are shown in the table below. The Facility is not required to notify the Department of changes that qualify under this section; however, the Facility shall maintain sufficient records to demonstrate compliance with the provisions of this section.

TABLE 3.

Emission Units	Process	Pollutant/Parameter
Tanks 5A, 5B, 6, 8, 9 and 10	Storage tanks	VOC <1 tpy
Quarry 1 Limestone Handling	Load-In and Load-Out	PM_{10} < 1 tpy $PM_{2.5}$ < 1 tpy
5-11	Indoor hopper	PM_{10} < 1 tpy $PM_{2.5}$ < 1 tpy
Miscellaneous	Wind Erosion and Paved Road Activities	PM_{10} < 1 tpy $PM_{2.5}$ < 1 tpy
ACI System	Hg Control System	PM_{10} < 1 tpy

[2] Not included in the fee or annual emissions inventory.

		$PM_{2.5}$ < 1 tpy
Lime Injection	HCl Control System	PM_{10} < 1 tpy $PM_{2.5}$ < 1 tpy
Various Storage Piles	Load-In and Load-Out	PM_{10} < 1 tpy $PM_{2.5}$ < 1 tpy
Portable Conveyor	Load-In and Load-Out	PM_{10} < 1 tpy $PM_{2.5}$ < 1 tpy

2. GENERAL PERMIT TERMS AND CONDITIONS

The following permit terms and conditions are placed upon the Permittee in accordance with 20.11.42.12.B.(2) NMAC and 20.11.42.12.C.(1).(b) NMAC:

2.1. The Permittee shall abide by all terms and conditions of this permit, except as allowed under section 502(b)(10) of the federal Act. Any permit noncompliance is grounds for enforcement action and significant or repetitious noncompliance may result in termination of this permit. Additionally, noncompliance with federally enforceable conditions of this permit constitutes a violation of the Federal Act.

1. It shall not be a defense for the Permittee in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

2. If the Department determines that cause exists to modify, reopen and revise, revoke and reissue, or terminate this permit, this shall be done in accordance with 20.11.42.13.F NMAC.

3. The Permittee shall furnish any information the Department requests in writing to determine if cause exists for reopening and revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. This information shall be furnished within the time period specified by the Department. Additionally, the Permittee shall furnish, upon request by the Department, copies of records required by the permit to be maintained by the permittee.

4. A request by the Permittee that this permit be modified, revoked and reissued, or terminated, or a notification by the Permittee of planned changes or anticipated noncompliance, shall not stay any conditions of this permit.

5. This permit does not convey property rights of any sort, or any exclusive privilege.

2.2. The issuance of this permit, or the filing or approval of a compliance plan, does not relieve the Permittee from civil or criminal liability for failure to comply with the State or Federal Acts, or any applicable state or Federal regulation or law. This condition is pursuant to 20.11.42.12.C.(1).(f) NMAC New Mexico Air Quality Control Act NMSA 1978 74-2-2 through 74-2-23.

2.3. Severability Clause - If any section, paragraph, sentence, clause or word of this permit is for any reason held to be unconstitutional or otherwise invalid by any court, the decision shall not affect the validity of remaining provisions of permit #0532-RN2. This condition is pursuant to 20.11.42.12.C.(1).(a).(iv) NMAC.

2.4. The Permittee shall pay fees to the Department consistent with the fee schedule in 20.11.02 NMAC - Permit Fees. The fees will be assessed and invoiced separately from this permit. This condition is pursuant to 20.11.42.12.C.(1).(a).(v) NMAC.

2.5. A responsible official (as defined in 20.11.42 NMAC) shall certify the accuracy, truth and completeness of every report and compliance certification submitted to the Department as required by this permit. These certifications shall be part of each document. This condition is pursuant to 20.11.42.12.A.(5) NMAC.

2.6. Revocation or termination of this permit by the Department terminates the Permittee's right to operate this Facility. This condition is pursuant to 20.11.42.2.B.(2) NMAC.

2.7. Upon request by the Department, the Permittee shall submit an emissions inventory for this facility. This condition is pursuant to 20.11.42.12.C.(1).(a) NMAC.

2.8. The Facility will continue to comply with all applicable requirements. For applicable requirements that will become effective during the term of the permit, the Facility will meet such requirements on a timely basis. This condition is pursuant to 20.11.42.12.C.(6).(c) NMAC.

2.9. PSD Permit No. PSD-NM-12, Construction Permits 0043, 0044, 2197-M1, and Certificate of Registration #2195 are incorporated into this permit by reference. The Department deems compliance with this operating permit to be in compliance with permit **PSD-NM-12**, Construction Permits 0043, 0044, 2197-M1, and Certificate of Registration #2195. This condition is pursuant to 20.11.42.12.C.(1).(a) NMAC.

2.10. The Permittee shall operate this Facility in such manner that all applicable requirements and the requirements of 20.11.42 NMAC are met regardless of what scenario the Facility is operating under. This condition is pursuant to 20.11.42.12.C.(1).(c) NMAC.

3. FACILITY INFORMATION

The following conditions are placed upon the Permittee pursuant to 20.11.42.12.C.(1).(g) NMAC.

3.1 All major process equipment authorized for this Facility is listed in Table 4 shown below (emission units that were identified as insignificant in Table 3 are not included). All the emissions control and product recovery equipment required for the Facility is listed in the table(s) shown below along with the systems with which it is associated. Emission units equipped with the baghouse capture and control one or more dust collection points and throughputs shown below represent the system throughputs. Each emission point is identified by the same number that was assigned to it in the permit application:

TABLE 4. Process Equipment/Devices

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
Quarry	Drilling	N/A	N/A	<1970	--	800	883,394
	Blasting				--	17 tons ANFO/Blast & one Blast/day	816 tons ANFO/yr
	Bulldozing operations				--	--	5,840 hours/yr
	Overburden activities and roads				--	420	1,839,600
	Material stockpiles				--	--	12.3 acres
	CKD stockpiles				--	--	1.5 acres
	Material handling and roads				--	800	982,259
Material Receiving, Hauling, and Handling	Sandstone	N/A	N/A	<1970	--	35	33,794
	Bottom Ash				--	70	27,569
	Iron				--	80	12,794
	Coal and TDF				--	300	96,436
	Gypsum				--	120	44,839

[3] Baghouses and dust collector types are listed in the permit application, installation dates vary.

[4] All baghouses operate at 8,760 hours per year.

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
	CKD				--	71	32,850
	Clinker Reclaim				--	120	25,000
	Outdoor material stockpiles				--	--	1.49 acres
	Indoor material stockpiles				--	--	NA
CC	Calcium Cake (helps lower burning zone in kilns)[5]	N/A	N/A	2012	--	28	245,280
1-1	Crusher Dump Hopper	N/A	N/A	N/A	N/A	800	1,043,623[6]
1-2	Primary Crusher	Norblo/312 AMS	965-187	<1970/ Converted to Pulse-2018	Baghouse	800	1,043,623
1-3	Secondary Crusher	Norblo/312 AMS	958-175	<1970/ Pulse 2018	Baghouse	800	1,043,623
1-4	Screens	Norblo/312 AMS	858-31	<1970/Pulse 2005	Baghouse	800	1,043,623
2-1	Rock Storage[7] - #1	Norblo/160 AMS Series 39	960-54	<1970/Pulse 2004	Baghouse	800	1,043,623
2-2	Rock Storage[7] - #2	" "	960-53	<1970/Pulse 2005	Baghouse	800	1,043,623
2-3	Rock Storage[7] - #3	" "	960-62	<1970/Pulse 2006	Baghouse	800	1,043,623
2-4	Rock Storage[7] - #4	" "	960-63	<1970	Baghouse	800	1,043,623
2-5	Additive Dump Hopper - Iron and Gypsum raw materials transferred to Storage Silos			<1970	Baghouse	120	57,633
2-6	#1 Additive Baghouse	Norblo	958-131	<1970	Baghouse	120	57,633

[5] Registration #2195, Feb 2012

[6] Materials include: high rock, trans rock, low rock, sandstone and alumina

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
2-7	#1A Additive Baghouse	Norblo	958-147	<1970	Baghouse	120	57,633
2-8	Additive Storage	Norblo/BA12	958-150	<1970		120	57,633
2-9	#1 Raw Mill Feedoweight	Norblo	958-153/960-73	<1970	Baghouse	63.25	421,190
2-10	#2 Raw Mill Feedoweight				Baghouse	63.25	421,190
2-11	Clinker reclaim dump hopper	N/A		<1970	--	120	25,000
3-2	#1 Raw Mill	Norblo	958-161	<1970	Baghouse	63.25	421,190
3-4	#2 Raw Mill	Norblo	960-73	<1970	Baghouse	63.25	421,190
4-1	Blending Silo #1 and #3	Norblo/BHA 156AMS SER 39	958-173	<1970 Converted to Pulse 2004	Baghouse	112	8,760 hours/yr
4-2	Blending Silo #2 and #4	Norblo/BHA 156AMS SER 40	958-172	<1970 Converted to Pulse 2004	Baghouse	112	8,760 hours/yr
4-3	Kiln Feed Bucket Elevator #1 (Blending 1)	Mikro-Pulsaire/36S-8-30	958-29	<1970 Converted to Pulse 2005	Baghouse	112	8,760 hours/yr
4-4	Kiln Feed Bucket Elevator #2 (Blending 2)	Mikro-Pulsaire/36S-8-30	959-30	<1970 Converted to Pulse 2016	Baghouse	112	8,760 hours/yr
4-5	#1 Kiln Feed Elevator	Mikro-Pulsaire/36S-8-30	79211H1	1979	Baghouse	102	8,760 hours/yr
4-6	#2 Kiln Feed Elevator	Mikro-Pulsaire/36S-8-30	79211H1	1979	Baghouse	102	8,760 hours/yr
5-1	#1 Clinker Cooler Drag Conveyor	Mikro-Pulsaire/49S-8-20	Unknown	1978	Baghouse	33.7	295,212
5-2	#2 Clinker Cooler Drag Conveyor and outdoor clinker reclaim	Mikro-Pulsaire/49S-8-20	Unknown	1978	Baghouse	153.7	320,212

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
5-3[7]	#1 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H1	1981	Baghouse	33.7	289,308
5-4[8]	#1 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H2	1981	Baghouse		
5-5[8]	#1 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H3	1981	Baghouse		
5-6[8]	#1 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H4	1981	Baghouse		
5-7[8]	#2 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H5	1981	Baghouse	33.7	289,308
5-8[8]	#2 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H6	1981	Baghouse		
5-9[8]	#2 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H7	1981	Baghouse		
5-10[8]	#2 Clinker Cooler	Mikro-Pulsaire/420-S-TRH 10	81318H8	1981	Baghouse		
5-12	Outdoor coal dump hopper	N/A		<1970	--	300	96,436
5-13	Coal Crusher	Mikro-Pulsaire/420-S-TRH 10	76383H1	1976	Baghouse	300	96,436
5-14	Coal Conveyor Transfer Tower	Mikro-Pulsaire/420-S-TRH 10	76384H1	1976	Baghouse	300	96,436
5-15	Coal Storage Silo	Mikro-Pulsaire/420-S-TRH 10	76388H1	1976	Baghouse	300	96,436
6-1[5]	#1 Kiln	ALLISCHALMERS/FLS-Reverse Air	Unknown	<1970/Converted to pulse 2016	Baghouse	33.7	289,308
6-2[5]	#2 Kiln	ALLISCHALMERS/FLS-Reverse Air	Unknown	<1970/Converted to pulse 2016	Baghouse	33.7	289,308

[7] Consistent with Authority to Construct Permit #2197 (3/30/12) and #2197-M1 (4/5/16), exhausts from Clinker Cooler #1 and #2, Kiln #1 and #2 have been combined to one stack. See Modeling Section 4.2.(5) below, for stack parameters that were included in the air dispersion modeling.

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
6-3	#1 Baghouse Dust Bin and Truck spout from bin	Mikro-Pulsaire		2001	Baghouse	14	61,344
6-5							
6-4	#2 Baghouse Dust Bin and Truck spout from bin	Mikro-Pulsaire		2002	Baghouse	7	60,094
6-6							
6-7	Dust Pellets From Pelletizer	N/A		<1970	Baghouse	14	3,125
7-1	Clinker Bucket Elevator Tower	Mikro-Pulsaire/110SB-20TR-B	82234H1	1982	Baghouse	187	603,616
7-2	Clinker Primary Distribution	Mikro-Pulsaire/64SB-TRH-C	82235H2	1982	Baghouse	187	530,964
7-3	Clinker Storage Silo and Transfer	Mikro-Pulsaire/25S-8-30-B	82233H1	1982	Baghouse	67	70,809
7-4	Clinker Storage Silos	Mikro-Pulsaire/25S-8-30-B	82218H4	1982	Baghouse	67	141,618
7-5	Clinker Storage Silo and Transfer	Mikro-Pulsaire/25S-8-30-B	82233H2	1982	Baghouse	67	70,809
7-6	Clinker Storage Silos	Mikro-Pulsaire/25S-8-30-B	82218H2	1982	Baghouse	67	141,618
7-7	Clinker Secondary Distribution	Mikro-Pulsaire/64SB-TRH-C	82235H1	1982	Baghouse	127	346,734
7-8	Clinker Storage Silo and Transfer	Mikro-Pulsaire/25S-8-30-B	82218H2	1982	Baghouse	67	70,809
7-9	Clinker Storage Silos	Mikro-Pulsaire/25S-8-30-B	82218H1	1982	Baghouse	67	260,051
7-10	Clinker Storage Silo and Transfer	Mikro-Pulsaire/25S-8-30-B	82233H4	1982	Baghouse	67	70,809
7-11	Clinker Storage Silos	Mikro-Pulsaire/25S-8-30-B	82218H3	1982	Baghouse	67	260,051
7-12	#1 Finish Mill Transfer	Norblo/468-A	958-154/960-72	<1970	Baghouse	67	412,972
7-13	#2 Finish Mill Transfer				Baghouse	67	412,972

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
7-14	Clinker Transfer	N/A		<1970	--	120	15,000
8-1	#1 Finish Mill Air Separator	Norblo/624-A	958-158	<1970	Baghouse	44	206,486
8-2	#1 Finish Mill	Norblo/234-A	958-162	<1970	Baghouse	44	206,486
8-3	#2 Finish Mill Air Separator	Norblo/624-A	960-71	<1970	Baghouse	44	206,486
8-4	#2 Finish Mill	Norblo/234-A	960-64	<1970	Baghouse	44	206,486
8-5	#3 Finish Mill Transfer Points	Mikropluse-Pulse Pleat/64S-8-20		1978/Converted to pulse 2009	Baghouse	35	176,988
8-6	#3 Finish Mill	Mikropluse-Pulse Pleat/IF124		1978/Converted to pulse 2009	Baghouse	35	176,988
8-7	#3 Finish Mill Air Separator-	Mikropluse/320K-8		1978/Converted to pulse 2009		35	176,988
9-1	Primary Cement Storage Silos #1 - North	Norblo/234 AMS	958-141	<1970	Baghouse	192	311,383
9-2	Primary Cement Storage Silos #2 - Middle	Norblo/234 AMS	958-142	<1970	Baghouse	192	311,383
9-3	Primary Cement Storage Silos #3 - South	Norblo/234 AMS	958-143	<1970	Baghouse	192	311,383
9-4	#2 Cement Storage	Norblo/156 AMS	958-149	<1970	Baghouse	105	112,098
10-2, 10-3, 10-4, 10-4A, 10-7, 7A, 10-8, 10-11	Open Stockpiles - Clinker Material piles (includes ash, sandstone, iron, gypsum, and other) & Coal Reject pile; frontend loader			<1970, 1988 & Coal Reject modified in 2021	Most located in covered buildings	35	Unit 10-4 (front end loader) Fugitive – 33,794 tpy
11	Blasting Emissions (various quarries at the Facility)			<1970	Quarries/ maximum 25,000 ft^2 horizontal area per blast	17 tons ANFO/Blast and 1 blast per day	816 tons ANFO/yr
Delivery/ Shipping	Cement Haul Roads – unpaved (fugitive dust)				Water spray	--	747,320

Emission Unit ID	Emission Unit Description/Manufacture[3]	Model (Make) Number	Serial Number	Installation Date	Control Device[4]	Hourly Throughput (tons) or as noted	Annual Throughput (tons) or as noted
Gen-1	Kiln Emergency Generator #1 - Caterpillar	D337F	37B1866	<2006	--	150 kW (201 hp)	500 hours/yr
Gen-2	Kiln Emergency Generator #2 - Caterpillar	D337F	37B2404	<2006	--	150 kW (201 hp)	500 hours/yr
Quarry	Quarry Sources			<1970			
Tank 1	Diesel Storage Tank #1 (6,000 gal)			1995	--	--	--
Tank 2	Partitioned tank - Diesel (5,000 gal) and Gasoline Storage (1,000 gal)			1995	--	--	--
Tank 3	Non-Air Entrained grinding aid (8,800 gal)			1994	--	--	--
Tank 4	Non-Air Entrained grinding aid (1,727 gal)			<1970	--	--	--

4. AIR QUALITY DISPERSION MODELING

4.1 ANALYSIS

The Facility submitted an air dispersion modeling analysis, using EPA approved models and procedures, showing whether emissions from the source would cause air pollutant concentrations in excess of any New Mexico Ambient Air Quality Standard (NMAAQS) and National Ambient Air Quality Standards (NAAQS). Air pollutants that are not emitted in significant amounts [as defined in 40 CFR 52.21(b)(23)(i)] during routine operations need not be modeled pursuant to 20.11.42.12.A.(4).(j).(ii) NMAC. The air dispersion modeling was conducted by the Permittee for the entire Facility for NO_2, CO, SO_2, PM_{10}, and $PM_{2.5}$ using AERMOD and reviewed by the Department.

The Permittee will accept conditions to be followed during blasting that prevent public exposure to possible exceedances during blasting and to demonstrate compliance with the NAAQS and NMAAQS.

4.2 LIMITATIONS

The following limitations and conditions are applicable to the Permittee at the Facility to demonstrate compliance with the NAAQS and NMAAQS pursuant to 20.11.42.12.A.(4) and 20.11.42.12.C.(1) NMAC:

1. Operating hours: 8760 hours/year for all plant sources except 7-14
   No more than 1 hour per day for Unit 7-14, Clinker Transfer (clinker drop test)
2. Operating hours for mining operations:
   8:00 am – 6:00 pm, 7 days/week: Quarry 4
   7:00 am – 6:00 pm, 7 days/week: Quarry 17
   6:00 am – 6:00 pm, 7 days/week: Quarry 8, 3-5-7, 15 and 19
   6:00 am – 8:00 pm, 7 days/week: all unpaved haul roads
   10:00 am – 5:00 pm, 7 days/week: blasting
3. Blasting is limited to 1 blast per day using a maximum of 17 tons of (Ammonium Nitrate Fuel Oil) ANFO per blast and a maximum 25,000 ft^2 horizontal area per blast, per the modeling and application reports.
4. In order to ensure members of the public are not exposed to potential modeled exceedances, an area of 250 meters around blasting locations, including areas outside the Facility's fence, must be kept clear of all people following the blasting exclusion plan provided by the Facility. Signs will be posted around the exclusion zone and the area will be scouted to be sure it is clear both inside and outside the fence. A post-blast inspection will also be performed after each blast to be sure the explosive products detonated correctly prior to allowing anyone other than blast inspector(s) within 250 meters of the blast.
5. The kiln stack parameters must comply with the following:
   a. A height of at least 175 feet and a diameter of no more than 11 feet. Kiln stack dimensions should be documented in an as-built specification sheet for the stack.
   b. Maintain a gas exit velocity of 70 feet/second. Exit velocity shall be based on the average exit velocity of the 3 runs during the annual kiln stack test and SO_2 and other tested pollutants shall not exceed the lb/hr rate listed in TABLE 5, below.

c. A vertical, non-rain cap release

d. Any modifications that would alter the stack flow or temperature in relation to the range of conditions represented at the time of permit issuance must be approved by the Department, and may require air dispersion modeling to demonstrate compliance with permit conditions.

6. The unpaved haul roads must be watered at least hourly when roads are in use and bladed weekly to keep base course conditions, posted speed limit must be no more than 35 mph and haul trucks must not exceed this speed. These are the conditions required to achieve the 86% control efficiency used in haul road emission calculations for modeled emission rates.

7. Paved haul roads were excluded from modeling. Therefore, the Facility shall use any of the following control measures to prevent visible emissions of fugitive dust from being generated as specified by 20.11.20.23 NMAC with regards to paved haul roads:

    a. Cleaning up spillage and trackout as necessary to prevent pulverized particulates from being entrained into the atmosphere
    b. Using on-site wheel washes; or
    c. Performing regularly scheduled vacuum street cleaning or wet sweeping with a sweeper certified by the manufacturer to be efficient at removing particulate matter having an aerodynamic diameter of less than 10 microns (i.e. PM_{10}).

8. A fence or some other barrier which restricts access to the property. This includes some type of gate that restricts access near the top of the entrance road from Highway 337 at the location of the modeled fence line. During times of busy vehicle traffic to the Facility i.e. trucks, work vehicles and/or inclement weather conditions, the Facility may have the barrier open for longer periods of time during operating hours to accommodate for the situations.

4.3 RECORDKEEPING

The Facility shall maintain records of the Limitations listed in section 4.2 above in accordance with section 5.8. Recordkeeping pursuant to 20.11.42.12.C.(4) NMAC.

4.4 SUMMARY

An Air Dispersion Modeling report and associated files are located in the electronic file folder 4.0, EHD Dispersion Modeling Review.

5. REQUIREMENTS FOR INDIVIDUAL EMISSION UNITS

5.1 APPLICABLE REQUIREMENTS

Information regarding emission limits, operational limitations and requirements, work practices, and monitoring, testing and recordkeeping requirements is provided below for each emissions unit or set of similar units.

Applicable Requirements for the Facility are shown in Table 1 provided in Section 1 of this permit. This condition is pursuant to 20.11.42.12.C.(1)(a) NMAC.

5.1.1 EMISSION LIMITS

The Emission Units (EU) are listed in Table 5. with corresponding emissions limits during normal operation. In accordance with 40 CFR 63.1343(d), all existing sources as defined by 40 CFR 63.1351 which include the Clinkers and Kilns (EU#'s 5-3 through 5-10; 6-1 & 6-2) shall meet all applicable emission standards of 40 CFR 63 Subpart LLL.

TABLE 5. Emission Unit Summary

EU Number	NO_x lb/hr	NO_x tpy	CO lb/hr	CO tpy	SO_2 lb/hr	SO_2 tpy	VOC lb/hr	VOC tpy	PM_{10} lb/hr	PM_{10} tpy	$PM_{2.5}$ lb/hr	$PM_{2.5}$ tpy
1-1	-	-	-	-	-	-	-	-	0.88	0.57	0.13	0.083
1-2	-	-	-	-	-	-	-	-	0.063	0.28	0.0095	0.04
1-3	-	-	-	-	-	-	-	-	0.084	0.37	0.013	0.06
1-4	-	-	-	-	-	-	-	-	0.22	0.97	0.033	0.15
2-1	-	-	-	-	-	-	-	-	0.15	0.12	0.042	0.035
2-2	-	-	-	-	-	-	-	-	0.15	0.12	0.042	0.035
2-3	-	-	-	-	-	-	-	-	0.15	0.097	0.042	0.028
2-4	-	-	-	-	-	-	-	-	0.15	0.096	0.042	0.028
2-5	-	-	-	-	-	-	-	-	0.13	0.032	0.019	0.0046
2-6	-	-	-	-	-	-	-	-	0.022	0.0053	0.01	0.0015
2-7	-	-	-	-	-	-	-	-	0.035	0.31	0.01	0.046
	-	-	-	-	-	-	-	-	0.0055	0.0013	0.002	0.0004
2-8	-	-	-	-	-	-	-	-	0.0055	0.0013	0.002	0.0004
2-9	-	-	-	-	-	-	-	-	0.44	1.92	0.04	0.17
2-10	-	-	-	-	-	-	-	-	0.44	1.92	0.04	0.17
2-11	-	-	-	-	-	-	-	-	0.13	0.014	0.019	0.002
3-1	-	-	-	-	-	-	-	-	0.76	3.31	0.11	0.48
3-2	-	-	-	-	-	-	-	-	0.44	1.91	0.028	0.12
3-3	-	-	-	-	-	-	-	-	0.76	3.31	0.11	0.48
3-4	-	-	-	-	-	-	-	-	0.44	1.91	0.028	0.12
4-1	-	-	-	-	-	-	-	-	0.13	0.55	0.019	0.08
4-2	-	-	-	-	-	-	-	-	0.13	0.55	0.019	0.08
4-3	-	-	-	-	-	-	-	-	0.044	0.19	0.0066	0.03
4-4	-	-	-	-	-	-	-	-	0.044	0.19	0.0066	0.03
4-5	-	-	-	-	-	-	-	-	0.18	0.78	0.0095	0.04

EU Number	NO_x lb/hr	NO_x tpy	CO lb/hr	CO tpy	SO_2 lb/hr	SO_2 tpy	VOC lb/hr	VOC tpy	PM_{10} lb/hr	PM_{10} tpy	$PM_{2.5}$ lb/hr	$PM_{2.5}$ tpy
4-6	-	-	-	-	-	-	-	-	0.18	0.78	0.0095	0.04
5-1	-	-	-	-	-	-	-	-	0.0016	0.0068	0.00044	0.0019
5-2	-	-	-	-	-	-	-	-	0.0071	0.0074	0.002	0.0021
5-3[8]	353.9	1,518.9	337	1,446.5	193.6	848.2	15.5	66.5	33.36	48.58	17.88	26.03
5-4[9]												
5-5[9]												
5-6[9]												
5-7[9]												
5-8[9]												
5-9[9]												
5-10[9]												
6-1[9]												
6-2[9]												
5-12	-	-	-	-	-	-	-	-	0.092	0.015	0.014	0.0022
5-13	-	-	-	-	-	-	-	-	0.16	0.03	0.03	0.0048
5-14	-	-	-	-	-	-	-	-	2.51E-05	4.03E-06	3.80E-06	6.10E-07
5-15	-	-	-	-	-	-	-	-	2.55E-05	5.86E-06	3.86E-06	8.97E-07

[8] Consistent with Construction Permit #2197-M1 exhausts from Clinker Cooler #1 and #2, Kiln #1 and #2 have been combined. Compliance with Kiln (lb/hr) limits for NOx, CO, SO_2 shall be demonstrated with annual emission testing in accordance with Condition 5.8.8.

EU Number	NO_x lb/hr	NO_x tpy	CO lb/hr	CO tpy	SO_2 lb/hr	SO_2 tpy	VOC lb/hr	VOC tpy	PM_{10} lb/hr	PM_{10} tpy	$PM_{2.5}$ lb/hr	$PM_{2.5}$ tpy
6-3	-	-	-	-	-	-	-	-	0.066	0.14	0.0035	0.0074
6-4	-	-	-	-	-	-	-	-	0.033	0.14	0.0017	0.007
6-7	-	-	-	-	-	-	-	-	0.015	0.0017	0.0022	0.00025
7-1	-	-	-	-	-	-	-	-	0.11	0.17	0.017	0.028
7-2	-	-	-	-	-	-	-	-	0.03	0.02	0.007	0.006
7-3	-	-	-	-	-	-	-	-	0.01	0.0033	0.002	0.001
7-4	-	-	-	-	-	-	-	-	0.003	0.003	0.001	0.001
7-5	-	-	-	-	-	-	-	-	0.01	0.0033	0.002	0.001
7-6	-	-	-	-	-	-	-	-	0.003	0.0033	0.001	0.001
7-7	-	-	-	-	-	-	-	-	0.012	0.02	0.003	0.004
7-8	-	-	-	-	-	-	-	-	0.01	0.0033	0.002	0.001
7-9	-	-	-	-	-	-	-	-	0.003	0.01	0.001	0.002
7-10	-	-	-	-	-	-	-	-	0.01	0.0033	0.002	0.001
7-11	-	-	-	-	-	-	-	-	0.003	0.01	0.001	0.002
7-12	-	-	-	-	-	-	-	-	0.18	0.79	0.027	0.12
7-13	-	-	-	-	-	-	-	-	0.18	0.79	0.027	0.12
7-14	-	-	-	-	-	-	-	-	0.13	0.01	0.019	0.001
8-1	-	-	-	-	-	-	-	-	0.088	0.39	0.013	0.06
	-	-	-	-	-	-	0.45	1.97	-	-	-	-
8-2	-	-	-	-	-	-	-	-	0.46	2.00	0.069	0.30
	-	-	-	-	-	-	0.45	1.97	-	-	-	-
8-3	-	-	-	-	-	-	-	-	0.088	0.39	0.013	0.06
	-	-	-	-	-	-	0.45	1.97	-	-	-	-
8-4	-	-	-	-	-	-	-	-	0.46	2.00	0.069	0.30
	-	-	-	-	-	-	0.45	1.97	-	-	-	-
8-5	-	-	-	-	-	-	-	-	0.053	0.23	0.008	0.03
8-6	-	-	-	-	-	-	-	-	0.067	0.29	0.01	0.04
	-	-	-	-	-	-	0.45	1.97	-	-	-	-

EU Number	NO_x lb/hr	NO_x tpy	CO lb/hr	CO tpy	SO_2 lb/hr	SO_2 tpy	VOC lb/hr	VOC tpy	PM_{10} lb/hr	PM_{10} tpy	$PM_{2.5}$ lb/hr	$PM_{2.5}$ tpy
8-7	-	-	-	-	-	-	-	-	0.21	0.90	0.031	0.14
	-	-	-	-	-	-	0.45	1.97	-	-	-	-
9-1	-	-	-	-	-	-	-	-	0.04	0.05	0.006	0.0082
	-	-	-	-	-	-	-	-	0.07	0.05	0.01	0.0082
9-2	-	-	-	-	-	-	-	-	0.04	0.05	0.006	0.0082
	-	-	-	-	-	-	-	-	0.07	0.05	0.01	0.0082
9-3	-	-	-	-	-	-	-	-	0.04	0.05	0.006	0.0082
	-	-	-	-	-	-	-	-	0.07	0.05	0.01	0.0082
9-4	-	-	-	-	-	-	-	-	0.04	0.02	0.006	0.0029
	-	-	-	-	-	-	-	-	0.04	0.02	0.006	0.0029
10-2	-	-	-	-	-	-	-	-	0.0078	0.0015	0.0012	0.0003
10-3	-	-	-	-	-	-	-	-	0.033	0.0027	0.0051	0.0003
10-4	-	-	-	-	-	-	-	-	0.075	0.036	0.011	0.0054
10-4a	-	-	-	-	-	-	-	-	0.82	0.92	0.087	0.10
10-8	-	-	-	-	-	-	-	-	0.47	0.049	0.072	0.0075
10-11a	-	-	-	-	-	-	-	-	0.0091	0.0021	0.0014	0.0003
Coal reject pile									0.012	0.014	0.00065	0.00073
11[9] (Blasting)	30.59	0.73	722.63	17.34	0.061	0.002	-	-	28.78	0.69	1.66	0.04
Quarry Sources									2.36	4.32	0.32	0.58
Gen-1[10]	2.59	0.65	0.50	0.13	0.41	0.10	0.11	0.03	0.16	0.04	0.16	0.04

[9] Occurs at various quarries around the Facility. Blasting emission factors are from various sources. NO_x emission factor from "NOx Emissions from Blasting Operations in Open-Cut Coal Mining", CO emission factor from "Factors Affecting Fumes Production of an Emulsion and Ammonium nitrate and fuel oil (ANFO)/Emulsion Blends" and maximum factor from galvanized steel pipe. SO_2 emission factor assumes ANFO includes 6% diesel (15 ppm S or 0.0015% S) and complete conversion to SO_2. AP-42 Ch. 11, Table 11.9-1 was used for determining PM_{10} and $PM_{2.5}$ emission factors. Number of blasts per year varies and are limited to one per day with a maximum horizontal area of 25,000 ft^2. Calculations are based on maximum amount of ANFO needed on a daily basis and are based on historical trends; therefore, amount of ANFO used per blast is a limiting factor.

[10] Annual usage in tpy based on 500 hours/yr for emergency generator engines.

EU Number	NO_x lb/hr	NO_x tpy	CO lb/hr	CO tpy	SO_2 lb/hr	SO_2 tpy	VOC lb/hr	VOC tpy	PM_{10} lb/hr	PM_{10} tpy	$PM_{2.5}$ lb/hr	$PM_{2.5}$ tpy
Gen-2	2.59	0.65	0.50	0.13	0.41	0.10	0.11	0.03	0.16	0.04	0.16	0.04
Unpaved Roads									20.76	35.98	2.08	3.60
Paved Roads									0.175	0.25	0.043	0.061
Tanks 1 - 4							0.07	0.32				
Totals[11]	**389.7**	**1520.9**	**1060.6**	**1464.1**	**194.5**	**848.4**	**18.5**	**78.7**	**96.3**	**120.0**	**23.8**	**34.2**

TABLE 5a. Summary of HAP Emissions

Emission Units	Total HAP Emissions		Total O-HAP Emissions		Total Metallic HAP Emissions		Total Other HAP Emissions	
	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)
5-3 to 5-10 6-1 and 6-2	11.10	42.99	10.48	40.31	0.48	2.07	0.14	0.61
8-1 through 8-2	6.96E-01	2.55	6.96E-01	2.55E+00	-	-	-	-
8-3 through 8-4	6.96E-01	2.55	6.96E-01	2.55E+00	-	-	-	-
8-6 through 8-7	6.96E-01	2.55	6.96E-01	2.55E+00	-	-	-	-
EGEN01	5.45E-03	1.36E-03	5.45E-03	1.36E-03	-	-	-	-
EGEN02	5.45E-03	1.36E-03	5.45E-03	1.36E-03	-	-	-	-
TOTAL	**13.20**	**50.65**	**12.58**	**47.97**	**0.48**	**2.07**	**0.14**	**0.61**

[11] Air dispersion modeling, pursuant to 20.11.42.12.A.(4).(j).(ii) NMAC, demonstrated that the NAAQS or NMAAQS will not be exceeded.

5.1.2 KILNS

1. In accordance with 20.11.66.13 NMAC, Kiln #1 (EU #6-1) and Kiln #2 (EU #6-2) shall not cause to be discharged into the atmosphere particulate emissions of 230 mg per cubic meter or more of exhaust gas for each kiln.

2. In accordance with Table 1 of 40 CFR 63.1343(b)(1), Kiln #1 [Emission Unit (EU) #6-1] and Kiln #2 (EU #6-2) are subject to the following emission limits in Table 6 starting September 9, 2015.

TABLE 6. Emission Limits for Kilns

Pollutant	Normal Operation	Unit
PM	0.07 lb/ton of clinker	
D/F	0.2	ng/dscm (TEQ)[12]
Hg	55	lb/MM tons of clinker
THC	24	ppmvd[13]
HCl	3	ppmvd[14]

5.1.3 BLASTING ACTIVITIES

The Permittee shall notify the Village of Tijeras in written format, 24-hours in advance of blasting at the Facility pursuant to 20.11.42.E.(1). Records shall of blasting shall be kept in accordance with 5.8.1.A.

5.1.4 COMPLIANCE WITH PM EMISSION LIMITS FOR CLINKER COOLERS

In accordance with Table 1 of 40 CFR 63.1343(b)(1), Clinker Cooler #1 (EU #s 5-3, 5-4, 5-5, and 5-6) and Clinker Cooler #2 (EU#s 5-7, 5-8, 5-9, and 5-10) are subject to following emission limit in Table 7.

TABLE 7. PM Emission Limits for Clinker Coolers

Pollutant	Normal Operation	Unit
PM_{10}	0.07	lb/ton of clinker

[12] Limit is on a dry basis corrected to 7% oxygen. If the average of the performance test run average temperatures at the inlet to the particulate matter control device is 400 ºF or less, this limit is changed 0.40 ng per dscm on a dry basis corrected to 7% oxygen.

[13] Measured as propane and corrected to 7% oxygen. Source may elect to meet an alternative limit of 12 ppmvd for total organic HAP. If the source demonstrates compliance with the total organic HAP under the requirements of §63.1349, then the source's THC limit will be adjusted to equal the average THC emissions measured during the organic HAP compliance test.

[14] Corrected to 7% oxygen.

5.1.5 ALTERNATE COMBINED LIMIT FOR KILNS AND CLINKER COOLERS

In accordance with Construction Permit #2197-M1, the permittee will combine the clinker cooler exhaust with the kiln exhaust for energy efficiency purposes and will send the combined exhaust to the PM control device as a single stream. As such the permittee may meet an alternative PM emissions limit. This limit is calculated using the following equation in 40 CFR §63.1343(b)(2):

$$PM_{alt}\ (lb/ton\ clinker) = 0.006 \times 1.65 \times (Q_k + Q_c)/7000$$

Where,

- 0.006 is the PM_{10} exhaust concentration (gr/dscf).
- 1.65 is the conversion factor of lb feed per lb clinker.
- Q_k is the exhaust flow of the kiln (dscf/ton raw feed).
- Q_c is the exhaust flow of the clinker cooler (dscf/ton raw feed).
- 7000 is the conversion from grains to pounds.

5.1.6 RAW MILLS, FINISH MILLS, STORAGE BINS, CONVEYOR TRANSFER POINTS, BAGGING SYSTEMS, LOADING AND UNLOADING SYSTEMS, AND RAW MATERIAL DRYERS

1. In accordance with PSD-NM-12, dated May 9, 1977, and the modification of PSD-NM-12 dated November 16, 1978, the particulate matter emissions limits and opacity standard for EU#s 8-5, 8-6, and 8-7 are listed in Table 8 below.

TABLE 8. PM_{10} and Opacity Limits

Pollutant	Limit	Emission Units
*PM_{10}	0.05, 0.07, 0.21 lb/hr	8-5, 8-6, 8-7, respectively
TSP	0.15, 0.19, 0.59 lb/hr	8-5, 8-6, 8-7, respectively
Opacity	10%	8-5, 8-6, 8-7

* PM10 is 35% of TSP.

2. In accordance with Table 1 of 40 CFR 63.1343(b)(1), Raw Mill #1, Raw Mill #2, Finish Mill #1, Finish Mill #2, and Finish Mill #3 are subject to following opacity limit in Table 9.

TABLE 9. Sources subject to 10% opacity limit

Pollutant	Limit	Emission Units
Opacity	10%	3-2, 3-4, 8-1, 8-2, 8-3, 8-4, 8-6, 8-7

3. In accordance with 40 CFR 63.1345, sources shown in Table 10 below are also subject to the 10% opacity limit.

TABLE 10. Sources subject to 10% opacity limit

Emission Unit	Description	Emission Unit	Description
2-6	Additive baghouse #1	7-4	Clinker storage silo baghouse
2-7	Additive baghouse #1A		Raw Material Storage Building
2-8	Additive storage baghouse	7-5	Clinker storage silo baghouse

Emission Unit	Description	Emission Unit	Description
2-9	#1 raw mill feedoweight baghouse	7-6	Clinker storage silo baghouse
2-10	#2 raw mill feedoweight baghouse	7-7	Clinker primary conveyor baghouse
3-1	#1 raw mill air separator baghouse	7-8	Clinker conveyor baghouse
3-3	#2 raw mill air separator baghouse	7-9	Clinker conveyor baghouse
4-1	#1 Blending silo baghouse	7-10	Clinker conveyor baghouse
4-2	#2 Blending silo baghouse	7-11	Clinker conveyor baghouse
4-3	Blending/kiln feed #1 elev. Baghouse	7-12	#1 finish mill feedoweight baghouse
4-4	Blending/kiln feed #2 elev. Baghouse	7-13	#2 finish mill feedoweight baghouse
4-5	#1 preheater baghouse	8-5	#3 finish mill feedoweight baghouse
4-6	#2 preheater baghouse	9-1	Primary Cement Storage Silos #1-North baghouse
5-1	#1 clinker cooler drag conv. Baghouse	9-2	Primary Cement Storage Silos #2-Middle baghouse
5-2	#2 clinker cooler drag conv. Baghouse	9-3	Primary Cement Storage Silos #3-South baghouse
6-3	#1 dust bin baghouse	9-4	#2 Cement Storage baghouse
6-4	#2 dust bin baghouse		
7-1	Clinker tower elevator baghouse		
7-2	Clinker primary conveyor baghouse		
7-3	Clinker storage silo baghouse		

5.1.7 Clinker Material Storage and Handling

If the permittee stores and handles clinker in open clinker piles, those activities must conform with the provisions set forth in 40 CFR 63.1343.

5.1.8 Coal Processing System

In accordance with 40 CFR 60.254, Subpart Y, Coal Crusher (EU #5-13), Coal Conveyor Transfer Tower (EU #5-14), Coal Storage Silo (EU #5-15), and the Coal Storage Building shall not cause to be discharged into the atmosphere any gases which exhibit opacity greater than 20%. See Conditions 5.8.1.C for recordkeeping requirements.

5.1.9 TIRE DERIVED FUEL SYSTEM

TDF System #1 and TDF System #2 are not considered as affected facilities under 40 CFR 60 Subpart F. The Facility is permitted to use TDF under Construction Permit #2197-M1 although TDF **is not** currently being used as a fuel source. When using TDF, the following provisions apply:

1. Tires should be managed, stored, and handled at the Facility under the requirements of New Mexico Environment Department (NMED) Solid Waste Bureau (SWB)'s Tire Management Program.
2. Tires used at the facility should be nonhazardous and should meet the provisions of 40 CFR 241 Subpart B.
3. TDF #1 and TDF #2 are not subject to Commercial and Industrial Solid Waste Incineration Units (CISWI) regulations under 40 CFR Part 60.
4. Combined coal and TDF usage or total fuel excluding natural gas for both kilns shall be limited to 96,346 tons per year.

5.1.10 GEN-1 AND GEN-2 – KILN EMERGENCY GENERATOR ENGINES

The emergency engines at the Facility were installed before 2006 and are required to demonstrate that the engines operate as emergency engines pursuant to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines (RICE), 40 CFR 63.6580. The stationary RICE must meet the definition of an emergency stationary RICE in Subpart 63.6675, which includes operating according to the provisions specified in Subpart 63.6640(f)(3). Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. Subject to recordkeeping requirements in 5.8.1.A.

5.2 OPERATING LIMITS FOR KILNS

1. In accordance with 40 CFR 63.1346(a), Kiln #1 (EU #6-1) and Kiln #2 (EU #6-2) shall be operated such that the temperature of the gas at the inlet to the kiln particulate matter control device (PMCD), does not exceed the applicable temperature limit established in the most recent performance test.

2. Kiln #1 (EU #6-1) and Kiln #2 (EU #6-2) shall each be limited to 33.7 tons/hour of clinker production.

3. During periods of start-up and shutdown, Kiln #1 (EU #6-1) and Kiln #2 (EU #6-2) must meet 40 CFR 63.1346 (g) requirements.

5.3 OPERATIONS AND MAINTENANCE PLAN

An Operations and Maintenance Plan (OMP) was submitted with the permit application and was written for every affected source under 40 CFR 63.1347 and includes the following information:

1. Procedures for proper operation and maintenance of the affected source and air pollution control devices in order to meet the emission limits and operating limits including addressing periods of startup and shutdown;

2. Corrective actions to be taken when required by 40 CFR 63.1350(f)(3);

3. Procedures to be used during an annual inspection of the components of the combustion system of each kiln; and

4. Control measures to be used to minimize fugitive dust from open clinker storage piles required under 40 CFR 63.1343, 63.1345, and 63.1346.

The OMP shall be updated accordingly and be available upon Department request.

5.4 COMPLIANCE REQUIREMENTS

The Facility must operate the monitoring system and collect data at all required intervals at all times the affected source is operating except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions as defined in 40 CFR 63.1348(b)(1)(iii), and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments).

The Facility must operate and maintain affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

5.4.1 KILNS

1. Clinker Production: In order to determine compliance with PM (lb/ton of clinker) and Hg (lb/MM tons of clinker) emission limits, the permittee shall determine hourly clinker production rate.
2. PM: Continuous compliance shall be demonstrated via quality-assured hourly average data collected by a PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit on a 30 operating day rolling average basis, updated at the end of each new kiln operating day.
3. THC: Continuous compliance shall be demonstrated by operating and maintaining each CEMS according to the quality assurance requirements in accordance with PS 8 and 8A of Procedure 1 of Appendix B in Part 60.
4. Hg: Continuous compliance shall be demonstrated by the use of a mercury continuous emissions monitoring system (Hg CEMS) in accordance with Performance Specification 12A (PS 12A) of appendix B to part 60.
5. HCl: Continuous compliance shall be demonstrated by the use of an HCl CEMS in accordance with Performance Specification 15 (PS 15) or Performance Specification 18 (PS 18) of appendix B to Part 60.
6. D/F: Continuous compliance shall be demonstrated by operating a CMS to record the temperature of the exhaust gases from the kiln at a minimum frequency of one minute and a rolling three hour average temperature using the average of 180 successive one-minute average temperatures.

5.4.2 CLINKER COOLERS

PM: Continuous compliance shall be demonstrated via quality-assured hourly average data collected by a PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit on a 30 operating day rolling average basis, updated at the end of each new kiln operating day.

5.4.3 COMPLIANCE ASSURANCE MONITORING (CAM)

Pursuant to 40 CFR 64, the CAM rule applies to each Pollutant Specific Emissions Unit (PSEU) when it is located at major source that is required to obtain Title V operating permit and it meets all of the following criteria:

- be subject to an emission limitation or standard;
- use a control device to achieve compliance, and
- have potential uncontrolled emissions that exceed or are equivalent to the major source threshold.

The CAM rule aims to have the Permittee and Facility (owners and operators) maintain their control devices at the levels that assure compliance. The rule allows the Facility to design CAM plans around current requirements and operating practices:

- to select representative parameters upon which compliance can be assured,
- to establish indicator ranges – or procedures for setting the indicator ranges – for the parameters,
- to use performance testing and other information to verify the parameters and ranges, and,
- to correct control device performance problems as expeditiously as practicable. [See section 40 CFR 64.3 and 64.7]

NSPS, NESHAP, NMAC regulations and the current Title V permit establish emission limitations and standards that apply to each source. Sources subject to an NSPS or NESHAP established after November 15, 1990, are not subject to CAM. Only the limitations and standards established by the Title V or ATC (20.11.42 or 20.11.41 NMAC) permits are subject to CAM. The Permittee submitted the CAM plan with the permit renewal application and the plan is Attachment 4 in this permit.

TABLE 11. Sources subject to CAM:

Emission Unit(s)	Equipment Description
1-2, 1-3, 1-4	Primary & Secondary Crushers and Screens
2-1, 2-2, 2-3, 2-4	Rock Storage #1 - #4
2-7	#1A Additive Baghouse
2-9, 2-10	#1 & #2, Raw Mill Feedoweights
3-1, 3-3	#1 & #2 Raw Mill Air Separators
3-2, 3-4	#1 & #2 Raw Mills
4-1, 4-2	Blending Silos #1- #4
4-3, 4-4	Kiln Feed Bucket Elevator #1 & #2
4-5, 4-6	Kiln #1 & #2 Feed Elevators

5-3 – 5-10	Clinker Cooler #1 & #2 - Baghouses
6-1, 6-2	Kiln #1 & #2 Baghouses
6-3, 6-4	#1 & #2 Baghouse Dust Bins
7-1	Clinker Bucket Elevator Tower
7-12, 7-13	#1 & #2 Finish Mill Transfers
8-1 – 8-7	#1, #2 & #3- Finish Mills and Finish Mill Air Separators & Transfer points
9-1 – 9-3	Primary Cement Storage Silos #1, #2 & #3

*Refer to the Facility's CAM plan in Attachment 4 of this permit or the electronic source file.

5.4.3.A. QUALITY IMPROVEMENT PLAN (QIP)

Pursuant to 40 CFR 64.8, based on the results of a determination made under Subpart 64.7(d)(2), the Department may require the Facility to develop and implement a QIP. Consistent with Subpart 64.6(c)(3), the Title V operating permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. If applicable, the Facility shall maintain a written QIP which applies to a specific emissions unit being maintained and operated in a manner consistent with good air pollution control practices and have it available to the Department upon request.

The QIP shall include procedures for evaluating the control performance problems. Based on the evaluation, modify the plan to include procedures for conducting one or more of the following actions, as appropriate:

a. Improve preventative maintenance practices.
b. Operational changes
c. Appropriate improvements to control methods.
d. Other steps to improve control performance.
e. More frequent or improved monitoring.

If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

5.5 COMPLIANCE REQUIREMENTS FOR CHANGE IN OPERATIONS

If the Permittee plans to undertake a change in operations that may adversely affect compliance with an applicable standard or operating limit under this subpart, the source shall conduct a performance test in accordance with 40 CFR 63.1349(b). The Permittee may operate under the planned operational change conditions for a period not to exceed 360 hours, provided that the conditions specified in 40 CFR 63.1348(c)(2) are met.

5.6 PERFORMANCE TESTING REQUIREMENTS

1. Performance tests results shall be documented and reported as specified in 40 CFR §63.1349(a) and (d).

2. PM: Performance tests results shall be conducted as specified in 40 CFR §63.1349(b)(1).

3. D/F: Performance tests results shall be conducted as specified in 40 CFR §63.1349(b)(3)(i)-(iv).

4. THC: Performance tests results shall be conducted as specified in 40 CFR 63.1349(b)(4)(i)-(iv). Alternatively, the permittee can demonstrate compliance with organic HAP limit using 40 CFR §63.1349(b)(4)(v).

5. Hg: Performance tests results shall be conducted as specified in 40 CFR §63.1349(b)(5); except as noted in Section 5.10 of this permit.

6. HCl: Performance tests results shall be conducted as specified in 40 CFR §63.1349(b)(6)(ii); except as noted in Section 5.10 of this permit.

7. Frequency: Performance tests required every 30 months shall be completed no more than 31 calendar months after the previous performance test. Performance tests required every 12 months shall be completed no more than 13 months after the previous performance tests.

5.7 MONITORING REQUIREMENTS

5.7.1 GENERAL REQUIREMENTS

1. If the Permittee elects to submit an application to the Department for approval of alternate monitoring requirements to demonstrate compliance with the emission standards for this subpart, the Facility will comply with the requirements of 40 CFR §63.1350(o).

2. The Facility must install, operate, calibrate, and maintain the flow rate monitoring system according to the requirements of 40 CFR §63.1350(n).

3. For operating limits that require the use of a continuous monitoring system (CMS), the Facility shall install, operate, and maintain a continuous parameter monitoring system (CPMS) according to the procedures in paragraphs 40 CFR §63.1350(m)(1) through (4) of this section by the compliance date specified in §63.1351. The permittee shall also meet the applicable specific parameter monitoring requirements in 40 CFR §63.1350(m)(5) through (11).

4. For each CMS using an approved alternate monitoring requirement, a monitoring plan must be developed and submitted as required by 40 CFR §63.1350(p).

5.7.2 PM

To demonstrate compliance with applicable PM emission limitations, the Facility shall perform monitoring in accordance with 40 CFR §63.1350(b) including:

1. The Facility shall install and operate a PM CPMS. Initial compliance shall be demonstrated by conducting performance tests using Method 5 and Method 5I of Appendix A-3 to part 60 in accordance with 40 CFR §63.1349(b).

5.7.3 CLINKER PRODUCTION

The Facility shall determine hourly clinker production in accordance with 40 CFR §63.1350(d) including:

1. Determine hourly clinker production by a permanent weigh scale system to measure either

amount of clinker produced or amount of feed to the kiln with a specific feed to clinker ratio, which must be updated monthly.

2. Either method of determining clinker production rate must be maintained within ±5% accuracy.

5.7.4 D/F FROM KILNS

To demonstrate compliance with applicable D/F emission limitations, the Facility shall perform monitoring in accordance with 40 CFR §63.1350(g) including:

1. The Facility shall install, calibrate, maintain, and continuously operate a CMS to record the temperature of the exhaust gases from the kiln at the inlet or upstream of the kiln PM Control Device (PMCD).

2. The temperature recorder response range must include zero and 1.5 times the average temperature established during the performance test in accordance with 40 CFR §63.1349(b)(3)(iv).

3. The calibration reference for the temperature measurement must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to Department approval.

4. The Facility shall calibrate all thermocouples and other temperature sensors at least once every three months.

5. The Facility shall monitor and continuously record the temperature of the exhaust gases from the kiln at the inlet to the kiln PMCD at a minimum frequency of one minute.

6. The rolling three-hour average temperature shall be calculated using the average of 180 successive one-minute average temperatures.

5.7.5 THC FROM KILNS

To demonstrate compliance with applicable THC emission limitations, the permittee shall perform monitoring in accordance with 40 CFR §63.1350(i) including:

1. The Facility shall install and operate CEMS in accordance with Performance Specification 8 or Performance Specification 8A of Appendix B to part 60.

2. The Facility shall operate and maintain CEMS according to QA requirements in Procedure 1 of Appendix F of Part 60.

3. For THC continuous emission monitoring systems certified under Performance Specification 8A, the Facility shall conduct the relative accuracy test audits required under Procedure 1 in accordance with Performance Specification 8, Sections 8 and 11 using Method 25A in appendix A to 40 CFR part 60 as the reference method; the relative accuracy shall meet the criteria of Performance Specification 8, Section 13.2

4. If compliance is determined using the total organic HAP emission limit, the Facility shall monitor in accordance with 40 CFR §63.1350(j).

5.7.6 MERCURY FROM KILNS

To demonstrate compliance with applicable Mercury emission limitations the permittee shall perform monitoring in accordance with 40 CFR §63.1350(k) including:

1. The Facility shall install and operate an Hg Continuous Emission Monitoring System (CEMS) in accordance with Performance Specification 12A, or a sorbent trap-based integrated monitoring system in accordance with Performance Specification 12B of Appendix B of Part 60.

2. The span value for any Hg CEMS should be at least equivalent to approximately two times the emissions standard and it may be rounded to the nearest multiple of 5 $\mu g/m^3$ of total mercury.

3. Data measured above the span value shall meet quality assurance requirements using one of the three options in 40 CFR §63.1350(k)(2)(i) through (iii).

4. The Facility shall operate and maintain each Hg CEMS or sorbent trap-based integrated monitoring system according to the quality assurance requirements in Procedure 5 of appendix F to part 60 of this chapter.

5. Relative accuracy testing of mercury monitoring systems under Performance Specification 12A, Performance Specification 12B, or Procedure 5 shall be conducted at normal operating conditions.

6. The Facility shall install, operate, calibrate, and maintain an instrument for continuously measuring and recording the exhaust gas flow rate to the atmosphere according to the requirements in paragraphs 40 CFR §63.1350(n)(1) through (10).

7. If the Facility operates an integrated sorbent trap monitoring system conforming to PS 12B, a monitoring period at least 24 hours but no longer than 168 hours in length may be used. The permittee shall use a monitoring period that is a multiple of 24 hours (except during relative accuracy testing as allowed in PS 12B).

5.7.7 HCL FROM KILNS

To demonstrate compliance with applicable HCl emission limitations the Facility shall monitor in accordance with 40 CFR §63.1350(l) including operation of a continuous emission monitor in accordance with Performance Specification 15 or Performance Specification 18 of appendix B to part 60 of this chapter, or upon promulgation, in accordance with any other performance specification for HCl CEMS in appendix B to part 60. The Facility shall operate, maintain and quality assure each HCl CEMS installed and certified under PS 15 or PS18 according to the quality assurance requirements in Procedure 1 of 40 CFR of appendix F to part 60 of this chapter except that the Relative Accuracy Test Audit (RATA) requirements of Procedure 1 must be replaced with the validation requirements and criteria of sections 11.1.1 and 12.0 of Performance Specifications 15 or 18.

5.7.8 OTHER POLLUTANTS FROM KILNS

The Facility shall demonstrate compliance with NO_X, CO, and SO_2, emission limits by conducting annual emission tests on the combined stack representative of #1 Kiln and #2 Kiln. The annual emission test shall consist of three test runs; emission results shall be expressed in pounds per hour and the average of

the three test runs shall be compared to the emission limit. The Facility may submit to the Department for review, a written request for shorter sampling times, minor changes in the reference method, use of an equivalent method, a request to waive the annual compliance test requirement, or other condition that may occur during the testing. The written request to relax testing or waive annual testing requirements is reserved only for this condition in demonstrating compliance with the NO_X, CO, and SO_2, emission limits for the kiln stack. The emission tests shall be conducted in accordance with EPA Methods contained in 40 CFR 60, Appendix A and 40 CFR 51, Appendix M, and with the requirements of Subpart A, General Provisions.

5.7.8.1 The Facility shall provide for the Department's approval a written test protocol at least thirty (30) days prior to the performance test date. The protocol shall describe the test methods to be used (including sampling methods and calibration procedures), shall list the equipment or devices to be tested (including sample locations), and shall describe data reduction procedures. Any variation from established sampling and analytical procedures or from the Facility operating conditions shall be presented for Department approval. The Facility shall allow a representative of the Department to be present at the test. When requested by the Department, the Facility shall provide schedules of testing and monitoring activities. Unless otherwise identified elsewhere in this permit, all monitoring requirements are effective 120 days after the date of permit issuance.

5.7.9 Opacity Monitoring for Storage Bins, Conveyor Transfer Points, Bagging Systems, Loading and Unloading Systems, and Raw Material Dryers

Monitoring shall be conducted as specified in 40 CFR §63.1350(f)(1) including:

1. The Facility shall conduct a monthly 10-minute visible emissions test of each affected source in accordance with Method 22 of appendix A-7 to Part 60. The performance test must be conducted while the affected source is in operation.

2. The frequency of visible emissions tests can be reduced in accordance with 40 CFR §63.1350(f)(1)(ii) and (iii).

3. If visible emissions are observed during any Method 22 performance test of Appendix A-7 to Part 60, the Facility shall conduct 30 minutes of opacity observations, recorded at 15-second intervals, in accordance with Method 9 of appendix A-4 to part 60.

4. The Method 9 performance test shall begin within 1 hour of any observation of visible emissions.

5. The requirement to conduct Method 22 visible emissions monitoring under this paragraph do not apply to any totally enclosed conveying system transfer point.

6. If any partially enclosed or unenclosed conveying system transfer point is located in a building, the permittee shall conduct a Method 22 performance test, of appendix A-7 to part 60 for each such conveying system transfer point located within the building, or for the building itself, in accordance with 40 CFR §63.1350(f)(1)(vii). If visible emissions from the building are monitored the permittee shall test visible emissions from each side, roof, and vent of the building for at least 10 minutes.

5.7.9.1 RAW MILLS AND FINISH MILLS:

Monitoring shall be conducted as specified in 40 CFR §63.1350(f)(2) including:

1. For a raw mill or finish mill, the permittee shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator particulate matter control devices (PMCD) of these affected sources in accordance with the procedures of Method 22 of appendix A-7 to part 60 of this chapter. The duration of the Method 22 performance test must be 6 minutes.

2. Within 24 hours of the end of the Method 22 performance test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 performance test of each stack from which visible emissions were observed during the previous Method 22 performance test.

3. If visible emissions are observed during the follow-up Method 22 performance test from any stack from which visible emissions were observed during the previous Method 22 performance test, the permittee shall conduct an opacity test of each stack from which emissions were observed during the follow up Method 22 performance test in accordance with Method 9. The duration of the Method 9 test shall be 30 minutes.

4. The requirements of this section to conduct daily Method 22 testing do not apply to any specific raw mill or finish mill equipped with a continuous opacity monitoring system (COMS) or bag leak detection system (BLDS). This alternate compliance method must meet the requirements of 40 CFR §63.1350(f)(4).

5. Compliance with Conditions above for the Finish Mill #2 (EU#'s 8-3 and 8-4), and Finish Mill #3 (EU#'s 8-6 and 8-7) will also deem compliance with PSD-NM-12 Permit.

5.7.9.2 CORRECTIVE ACTIONS

If visible emissions are observed during any Method 22 visible emissions test conducted under Permit Condition 5.7.9, the corrective actions specified in the site specific operating and maintenance plan provisions must be initiated within one-hour.

5.7.9.3 COAL HANDLING SYSTEM

Affected sources include Coal Crusher (EU# 5-13), Coal Conveyor Transfer Tower (EU #5-14), and Coal Storage Silo (EU# 5-15). Periodic Method 9 opacity readings in accordance with 40 CFR Part 60, Appendix A, may be imposed if inspections of the source indicate non-compliance with the permit conditions**.**

5.8 RECORDKEEPING

5.8.1 RECORDKEEPING REQUIREMENTS

A. The Facility shall follow the recordkeeping requirements set forth in 20.11.42.(C).(4) NMAC and provide any other information the Department may request to demonstrate the accuracy of the monitoring of limitations which include:

    1. Hours of operation;

2. Records of blasting activities e.g. amount of ANFO used, location, date, time…; and,
3. Other records as required.

Files should be retained for at least five years and at a minimum, the most recent two years of data shall be retained on site.

B. The Facility shall follow the recordkeeping requirements set forth in 40 CFR 63.1355 for Subpart LLL and provide any other information the Department may request to demonstrate the accuracy of the monitoring. Files should be retained for at least five years and at a minimum, the most recent two years of data shall be retained on site. These requirements include:

1. The Facility shall maintain files of information suitable and readily available for inspection and review as required by 40 CFR §63.10(b)(1) – (3) including all records required for initial notifications and notifications of compliance status under § 63.9 and supporting information for the waiver under 40 CFR §63.8(f)(6).

2. Affected source equipped with a continuous monitoring system shall maintain all records required by 40 CFR §63.10(c).

3. The Facility must keep annual records of the amount of CKD which is removed from the kiln system and either disposed of as solid waste or otherwise recycled for a beneficial use outside of the kiln system.

4. The Facility must keep records of the daily clinker production rates and kiln feed rates.

5. The Facility must keep records of the occurrence and duration of each startup or shutdown.

6. The Facility must keep records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.

7. The Facility shall maintain records of the fuels fired for each kiln on a daily basis and records should be made available to the Department upon request.

8. The Facility shall maintain records of the number of TDF trucks and amount of tires received at the facility on a daily basis and records should be made available to the Department upon request.

9. The Facility must keep records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.1348(d) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

10. For each exceedance from an emissions standard or established operating parameter limit, the permittee must keep records of the date, duration and description of each exceedance and the specific actions taken for each exceedance including inspections, corrective actions and repeat performance tests and the results of those actions.

11. The Permittee shall keep records of notifications sent to the Village of Tijeras in pursuant with condition 5.1.3 above.

C. For Coal Handling System, the Facility shall keep records pursuant to 40 CFR 60.258, Subpart Y.

5.9 REPORTING

5.9.1 REPORTING REQUIREMENTS

A. The Facility shall comply with the reporting requirements specified in 20.11.42.(C).(5). which include:
   1. Deviation reporting;
   2. Semi-annual reporting where applicable;
   3. Annual emissions inventory; and,
   4. Other reporting as required.

B. The Facility shall comply with the reporting requirements specified in the general provisions of Part 63 and NESHAP Subpart LLL, as follows:

   1. The Facility shall report the results of the performance test to the Department before the close of business on the 60th day following the completion of the performance test.

   2. The Facility shall report the opacity results required by 40 CFR §63.1349 before the close of business on the 30th day following the completion of the opacity or visible emission observations.

   3. If actions taken by the Facility during an SSM of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the SSMP specified in 40 CFR §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a SSM occurred during the reporting period. The SSM report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports.

   4. Any time an action taken by the Facility during an SSM (including actions taken to correct a malfunction) is not consistent with the procedures in the SSMP, the owner or operator shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter postmarked within seven working days after the end of the event, certified by the owner or operator or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

   5. As required by 40 CFR §63.10(e)(2), the Facility shall submit a written report of the results of the performance evaluation for the continuous monitoring system required by 40 CFR §63.8(e). The owner or operator shall submit the report simultaneously with the results of the performance test.

   6. As required by 40 CFR §63.10(e)(3), the Facility is an affected source equipped with a continuous emission monitor system (CEMS) and shall submit an excess emissions and continuous monitoring system performance report for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.

   7. The Facility shall submit a summary report semiannually which contains the information specified in 40 CFR §63.10(e)(3)(vi) and the following information:

a. All exceedances of maximum control device inlet gas temperature limits specified with adequate information in accordance with 40 CFR §63.1346(a) and (b), as well as all failures to calibrate thermocouples and other temperature sensors as required under 40 CFR §63.1350 (g)(1)(iii).

b. The results of any combustion system component inspections conducted within the reporting period as required under 40 CFR §63.1347(a)(3).

c. All failures to comply with any provision of the operation and maintenance plan developed in accordance with 40 CFR §63.1347(a)

8. The Permittee shall submit a summary report semiannually to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (*www.epa.gov/cdx*). The Permittee shall use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, the Permittee may submit an alternate electronic file consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (*http://www.epa.gov/ttn/chief/cedri/index.html*), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the Permittee shall submit the report the Administrator at the appropriate address listed in 40 CFR §63.13. The Permittee is required to begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI. For each PM CPMS, HCl, Hg, and THC CEMS, D/F temperature monitoring system or Hg sorbent trap monitoring system, except as noted in Section 5.10 of this permit, within 60 days after the reporting periods, the Permittee shall report all of the calculated 30-operating day rolling average values derived from the CPMS, CEMS, CMS, or Hg sorbent trap monitoring systems. The semiannual report must include the information specified in 40 CFR §63.10(e)(3)(vi) and 40 CFR §63.1354(b)(9).

9. If the total continuous monitoring system downtime for any CEMS or any continuous monitoring system (CMS) for the reporting period is ten percent or greater of the total operating time for the reporting period, the Permittee shall submit an excess emissions and continuous monitoring system performance report along with the summary report.

10. The semiannual report must contain the date, time and duration, and the cause of each event (including unknown cause, if applicable), and a sum of the number of events in the reporting period. The report must list for each event the affected source or equipment, an estimate of the volume of each regulated pollutant emitted over the emission limit for which the source failed to meet a standard, and a description of the method used to estimate the emissions. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions, including actions taken to correct a malfunction.

11. For Coal Handling System, the Facility shall report pursuant to 40 CFR 60.258, Subpart Y.

5.10 COMPLIANCE SCHEDULE

1. A Compliance Order was issued by the Department to the Permittee on July 29, 2022 to allow for continued operations following the terms, conditions and requirements of Permit #0532-RN1 and to bring the Permittee into compliance with permit requirements including the renewal of Permit #0532-RN1. There are no other pending compliance and enforcement actions at the time of this draft permit.

6. COMMON TERMS AND CONDITIONS

The conditions of this section apply to the Facility immediately upon issuance of this permit and remain in effect through the expiration date of this permit.

6.1 FACILITY-WIDE REQUIREMENTS

1. In accordance with 20.11.5.12 NMAC, the Facility shall not cause to be discharged into the atmosphere any visible air contaminant emissions that exceed an opacity of 20%, 6-minute time averaged. The emission units subject to 40 CFR 60, Subpart F and 40 CFR 63, Subpart LLL at the Facility are subject to a lower opacity.

2. In accordance with 20.11.5.13.C NMAC, GEN-1 (Kiln Emergency Generator #1) and GEN-2 (Kiln Emergency Generator #2) shall not cause to be discharged into the atmosphere any visible emissions in excess of 20%, 6-minute time averaged. During the first 20 minutes of cold startup the visible emissions shall not exceed 40 percent opacity, 6 minute time-averaged. Additionally, no increase of load shall be applied so as to cause an emission having an opacity greater than 40 percent during any time interval.

3. In accordance with 20.11.08 NMAC, the Facility shall not cause to be discharged into the atmosphere any emissions that exceed the standards shown in the table provided in 20.11.8.13 NMAC.

4. In accordance with 20.11.66.12 NMAC, all sources except for the kiln are subject to a maximum weight of discharge of particulate matter per hour based on the table located in 20.11.66.18 NMAC.

5. In accordance with 20.11.67.16.A NMAC, no person owning or operating coal burning equipment shall permit, cause, suffer or allow:

    a. Particulate matter emission to the atmosphere in excess of 0.05 pounds per million BTUs of heat input, or

    b. Fine particulate matter emissions of less than two microns equivalent aerodynamic diameter and unit density to the atmosphere in excess of 0.02 pounds per million BTUs of heat input.

6. In accordance with 20.11.67.16.B NMAC, fine particulate matter emissions shall be collected and measured at stack conditions and in such a manner that no condensation of gaseous material is included with the sample.

6.2 OTHER OPERATIONAL REQUIREMENTS

1. In accordance with 20.11.20.12(A) NMAC, the Permittee shall not allow fugitive dust, track out, or transported material from any active operation, open storage pile, stockpile, paved or unpaved roadway disturbed surface area, or inactive disturbed surface area to cross or be carried beyond the property line, right-of-way, easement or any other area under control of the person generating or allowing the fugitive dust if the fugitive dust may:

a. with reasonable probability injure human health or animal or plant life;

b. unreasonably interfere with the public welfare, visibility or the reasonable use of property; or

c. be visible for a total of 15 minutes or more during any consecutive one-hour observation period using the visible fugitive dust detection method in 20.11.20.26 NMAC or an equivalent method approved in writing by the Department.

2. In accordance with 20.11.20.12.E NMAC, stockpiles shall be no higher than 15 feet above the existing natural or man-made grade that abuts the stockpile, unless otherwise approved in advance and in writing by the department.

3. All inactive disturbed surface areas must be stabilized and maintained in stable condition by the Permittee to mitigate fugitive dust. Failure to comply with this condition shall be a violation of 20.11.20 NMAC.

4. In accordance with 20.11.23.12.B NMAC, the Facility shall not repair, attempt to repair, service, or attempt to service automotive air conditioning systems unless approved motor vehicle refrigerant recycling or recovery equipment is used.

5. In accordance with 20.11.66.17 NMAC, the Facility shall operate process equipment which emits fugitive dust under reasonable effective precautions to prevent emissions of fugitive dust.

6. The Facility shall operate in accordance with the administration, enforcement, and inspection regulations of 20.11.90 NMAC.

6.3 DATA RECORDING REQUIREMENTS

All sampling and measured data required by this permit for the emissions units in this facility shall be recorded. Per 20.11.42.12.C.(4).(a) NMAC, the minimum information to be included in these records is:

- the date, place as defined in the permit, and time of sampling or measurements;
- the date(s) analyses were performed;
- the company or entity that performed the analyses;
- the analytical techniques or methods used;
- the results of such analyses; and
- the operating conditions existing at the time of sampling or measurement.

6.3.1 MAINTENANCE OF RECORDS

The Facility shall keep copies of all monitoring and measurement data, equipment calibration and maintenance records, original strip charts for Continuous Emission Monitoring instruments, other supporting information, and reports required by this permit for at least five (5) years from the time the data was gathered or the reports written. Each record shall show clearly to which emissions unit and/or piece of monitoring equipment it applies, and the date the data was gathered. This condition is pursuant to 20.11.42.12.C.(4).(b) NMAC.

6.3.2 OFF-PERMIT CHANGES

The Facility shall keep a record describing off permit changes made at this source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes. This condition is pursuant to 20.11.42.12.C.(8).(b) NMAC.

6.4 REPORTING

6.4.1 REPORTING SCHEDULE

1. In accordance with the 20.11.42.12.C.(3) NMAC, the Facility shall provide for the Department's approval a written test protocol at least thirty (30) days prior to the anticipated test date. The protocol shall describe the test methods to be used (including sampling methods and calibration procedures), shall list the equipment or devices to be tested (including sample locations), and shall describe data reduction procedures. Any variation from established sampling and analytical procedures or from facility operating conditions shall be presented for Department approval. The Facility shall allow a representative of the Department to be present at the test. When requested by the Department, the Facility shall provide schedules of testing and monitoring activities. Unless otherwise identified elsewhere in this permit, all monitoring requirements are effective 120 days after the date of permit issuance.

2. In accordance with 20.11.42.12.C.(5).(a) NMAC, the Facility shall submit reports for all required monitoring at least every six (6) months. These reports shall be due to the department within forty-five (45) days at the end of the reporting period. All instances of deviations from permit requirements, including emergencies, shall be clearly identified in such reports. All required reports shall be certified by a responsible official.

3. In accordance with 20.11.42.12.C.(5).(c) NMAC, the Permittee shall submit compliance certification reports certifying the compliance status of this Facility with respect to all applicable requirements. These reports shall be made on copies of the Compliance Certification Report Form (attached to this permit) and submitted to the Department and to EPA every 12 months, commending 12 months following the date of issuance of this permit. This report is due no later than 30 days after each anniversary of the date of permit issuance and shall include:

- The identification of each term or condition of the permit that is the basis of the certification,
- The compliance status of the source,
- Whether compliance was continuous or intermittent,
- The method(s) used for determining the compliance status of the source, currently and during the reporting period identified in the permit, and
- Such other facts as the department may require to determine the compliance status of the source.

6.4.2 REPORTING DEVIATIONS

The Facility shall submit reports of all deviations (including emergencies) from permit requirements to the Department when they occur. The Facility shall communicate initial notice of the deviation to the Department within twenty-four (24) hours of the start of the first business day following the start of the occurrence via telephone or facsimile. Within ten (10) calendar days of the start of the first business day following the start of the occurrence, written notice using the "Excess Emissions Form To Be Used for Emergencies, Failures Deviations and Malfunctions" (attached to this permit) shall be submitted to the Department. This condition is pursuant to 20.11.42.12.C.(5).(b) NMAC.

6.4.3 ADDITIONAL REPORTING REQUIREMENTS

6.4.3.1 SULFUR DIOXIDE EMISSIONS INVENTORY REQUIREMENTS; WESTERN BACKSTOP SULFUR DIOXIDE TRADING PROGRAM UNDER 20.11.46 NMAC

1. In accordance with 20.11.46.9.A.(1) NMAC, the Facility shall submit an annual sulfur dioxide emissions inventory.

2. In accordance with 20.11.46.9.A.(2) NMAC, the Facility shall document the emissions monitoring and estimation methodology used and demonstrate that the selected methodology is acceptable under the inventory program.

3. In accordance with 20.11.46.9.A.(3) NMAC, the Facility shall include emissions during startup, shutdown, and upset conditions events in the inventory.

4. In accordance with 20.11.46.9.A.(5) NMAC, the Facility shall maintain all records used in the calculation of the emissions that includes, but is not limited to amount of fuel consumed, percent sulfur content of fuel and how the content was determined, quantity of product produced, emissions monitoring data, operating data, and how the emissions are calculated.

5. In accordance with 20.11.46.9.A.(6) NMAC, the Facility shall maintain records of any physical changes to facility operations or equipment, or any other changes that may affect the emissions projections.

6. In accordance with 20.11.46.9.A.(7) NMAC, the Facility shall retain records for a minimum of 10 years from the date of establishment, or if the record was the basis for an adjustment to the milestone, five years after the date of an implementation plan revision, whichever is longer.

7. In accordance with 20.11.46.9.B NMAC, the Facility shall submit the sulfur dioxide emission report by April 1st of each year.

8. In accordance with 20.11.46.9.C NMAC, the Facility shall submit the sulfur dioxide emissions report that includes all the required contents in 20.11.46.9C.(1) through (5) NMAC as listed below:

    a. the stationary source permit number or source registration number;
    b. the name, address, and physical location of the stationary source;
    c. the name and telephone number of the person to contact regarding the emissions report;
    d. a certification signed by the owner, or operator, or a responsible official as defined in 20.11.42 NMAC attesting that the statements and information contained in the emissions report are true and accurate to the best knowledge and belief of the certifying official, and including the full name, title, signature, date of signature, and telephone number of the certifying official;;
    e. for each emission point, include the following in the format required by the department:
    f. stack and exhaust gas parameters;
    g. type of control equipment and estimated control efficiency;
    h. schedule of operation;
    i. estimated actual emissions, including fugitive emissions and emissions occurring during maintenance, start-ups, shutdowns, upsets, and downtime, of sulfur oxides, in tons per year, and a description of the methods utilized to make such estimates, including calculations;

j. the annual process or fuel combustion rates; and
k. the fuel heat, sulfur, and ash content.

6.4.3.2 EMISSIONS INVENTORY REQUIREMENTS UNDER 20.11.47 NMAC

1. In accordance with 20.11.47.14(B) NMAC, the Facility shall annually submit an emissions inventory in a format approved by the Department reported by March 15 for the previous calendar year.

2. The Facility shall submit the required content in the inventory per 20.11.47.14(C) and (D) NMAC.

6.5 COMPLIANCE

6.5.1 COMPLIANCE CERTIFICATION

1. The Permittee shall submit compliance certification reports certifying the compliance status of this Facility with respect to all applicable requirements. These reports shall be made on copies of the Compliance Certification Report Form (attached to this permit) and submitted to the Department and to EPA every 12 months, commencing 12 months following the date of issuance of this permit. This report is due no later than 30 days after each anniversary of the date of permit issuance. This condition is pursuant to 20.11.42.12.C.(5).(c) NMAC.

1. The Facility submitted air dispersion modeling that demonstrates compliance with state and federal standards in accordance with section 300.D.10 of 20.2.70 NMAC, compliance with the terms and conditions of this permit regarding source emissions and operation shall be deemed to be compliance with state and federal ambient air quality standards (20.11.8 NMAC Ambient Air Quality Standards and 40 CFR 50 NAAQS). This condition is pursuant to 20.2.70.302.E.3 NMAC.

6.5.2 INSPECTIONS

The Permittee shall allow representatives of the Department, upon presentation of credentials and other documents as may be required by law, to do the following:

- enter the Facility premises where a source or emission unit is located, or where records that are required by this permit to be maintained are kept,
- have access to and copy, at reasonable times, any records that are required by this permit to be maintained,
- inspect any of the Facility's equipment (including monitoring and air pollution control equipment), work practices or operation regulated or required under the permit,
- sample or monitor any substances or parameters for the purpose of assuring compliance with this permit or applicable requirements or as otherwise authorized by the Federal Act.

Conditions of this section are pursuant to 20.11.42.12.C.(6).(a) NMAC.

6.5.3 POSTING OF PERMIT

A copy of this permit shall be kept at the Facility and shall be made available to Department personnel for inspection upon request. This condition is pursuant to 20.11.42.12.C.(6).(c) NMAC.

6.6 EMERGENCIES

6.6.1 EMERGENCY PROVISION

An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the Permittee, including acts of God, which situation requires immediate corrective action to restore normal operation of the Facility or emissions' unit, and that causes exceedances of emissions limits specified in this permit. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, or careless or improper operation.

1. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
2. The Facility shall identify and report all emergencies to the Department in accordance with Section 6.4.2 of this permit.
3. In any enforcement proceeding, the Permittee has the burden of proof in seeking to establish the occurrence of an emergency.

Conditions of 6.6.1 are pursuant to 20.11.42.12.E.(1) and (4) NMAC.

6.7 PERMIT REOPENING AND REVOCATION

This permit will be reopened and revised when any one of the following conditions occurs, and may be revoked and reissued when either provisions under 2 or 3 occurs:

1. Additional requirements under the Federal Act become applicable to this source three (3) or more years before the expiration date of this permit. If the effective date of the requirement is later than the expiration date of this permit, then the permit is not required to be reopened unless the original permit or any of its terms and conditions has been extended due to the Department's failure to take timely action on a request by the permittee to renew this permit.
2. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the terms and conditions of the permit.
3. The Department or the Administrator determines that the permit must be revised or revoked and reissued to assure compliance with an applicable requirement.

Conditions of 6.7 are pursuant to 20.11.42.13.F.(1).(a) NMAC.

6.7.1 Proceedings to reopen or revoke this permit shall affect only those parts of this permit for which cause to reopen or revoke exists. Emissions units for which permit conditions have been revoked shall not be operated until new permit conditions have been issued for them. This condition is pursuant to 20.11.42.13.F.(1).(b) NMAC.

6.8 STRATOSPHERIC OZONE

The Facility shall comply with the standards for recycling and emissions reductions pursuant to 40 CFR 82, Subpart F:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to subsection 82.156.

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to subsection 82.158.

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to subsection 82.161.

6.9 CERTIFICATION

A responsible official, as defined in 20.11.42 NMAC shall certify the accuracy, truth, and completeness of every report and compliance certification submitted to the Program or to the EPA as required by any permit condition or applicable requirement. This condition is pursuant to 20.11.42.12.A.(5) NMAC.

6.10 CONFIDENTIAL INFORMATION

1. Any records, reports, or information obtained by the Department shall be available to the public, except upon the Facility's ability to demonstrate to the Department that records, reports, or information, or particular sections thereof, would divulge confidential business records, methods, or processes entitled to protection as a trade secret. However, emission data will not be treated as confidential information. Confidential information, upon request, shall be disclosed to any officer, employee, or other authorized representative of the Department, the New Mexico Environment Department, or the EPA, or during any relevant proceedings under the A/BCAQCB Regulations, the Air Quality Control Act, or the Federal Act. (74-2-11 NMSA).

2. All confidentially claims made regarding material submitted to the Department under 20.11.42.12.B NMAC shall be reviewed in accordance with the provisions of the Joint Air Quality Board Ordinances pursuant to the New Mexico Air Quality Control Act, 74-2-11 NMSA 1978, and the New Mexico Inspection of Public Records Act, 14-2-1 et seq. NMSA 1978.

3. In the case where an applicant or Facility has submitted information to the Department under a claim of confidentiality, the Department may also require the applicant or Facility to submit a copy of such information directly to the Administrator. 20.11.42.12.B.(2) NMAC.

4. An operating permit is a public record, and not entitled to protection under Section 114(c) of the Federal Act.

Conditions of 6.10 are pursuant to 20.11.42.12.B. NMAC and 74-2-11 NMSA.

6.11 ANNUAL FEES

Condition 6.11 has been placed in the permit in accordance with 20.11.2 NMAC to allow the Program to determine compliance with the terms and conditions of the permit. Compliance will be based on the receipt of the annual emissions fee due each year to the Program pursuant to 20.11.02 NMAC. Every Owner or Operator (Permittee) of a source (Facility) that is required to obtain a source registration, an Authority-to-Construct, an operating permit, or a preconstruction permit shall pay an annual emissions fee pursuant to

20.11.02 NMAC, 20.11.40 NMAC, 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC, 20.11.61 NMAC, or 20.11.62 NMAC.

TABLE 12. Facility Wide Fee Pollutants (tpy)

Fee Pollutant	Facility Wide Fee Pollutant Totals in Tons per Year (tpy)
Nitrogen Oxides (NO_x)	1521
Carbon Monoxide (CO)	1464
Particulate Matter (PM_{10})	120
Particulate Matter ($PM_{2.5}$)	34
Volatile Organic Compounds (VOC)	79
Sulfur Dioxide (SO_2)	848
Hazardous Air Pollutants (HAPs)	51
FACILITY WIDE FEE TOTAL EMISSIONS:	4117

7. APPEAL PROCEDURES

Any person who participated in this permitting action before the Department and who is adversely affected by the action taken by the Department concerning this permit, may file a petition for a hearing before the Albuquerque/Bernalillo County Air Quality Control Board (A/BCAQCB). The petition must be made in writing to the A/BCAQCB within thirty (30) days from the date notice is given of the Department's action. This petition must specify the portions of the permitting action to which the petitioner objects and certify that a copy of the petition has been mailed or hand-delivered as required by 20.11.42.13.D.(1).(b) NMAC; a copy of the permitting action for which review is sought must be attached to the petition. Upon receipt of the appeal notice, the petitioner must mail or deliver a copy of the petition to the Department, and to the Permittee if the petitioner is not the Permittee. Requests for a hearing shall be sent to:

Secretary, Albuquerque/Bernalillo County Air Quality Control Board
One Civic Plaza
400 Marquette, NW
P.O. Box 1293
Albuquerque, New Mexico 87103

Unless a timely request for a hearing is made, the decision of the Department will be final. If a timely request for hearing is made, the board will hold a hearing within ninety (90) days of receipt of the petition in accordance with the New Mexico Air Quality Control Act NMSA 1978 74-2-7 and 20.11.42.13.D.(1).(c) NMAC.

Any person who is adversely affected by an administrative action taken by the board pursuant to 20.11.42.13.D.(1).(a) NMAC may appeal to the Court of Appeals in accordance with New Mexico Air Quality Control Act NMSA 1978 74-2-9. Petitions for judicial review must be filed no later than thirty (30) days after the administrative action. This condition is pursuant to 20.11.42.13.D.(2) NMAC and New Mexico Air Quality Control Act NMSA 1978 74-2-9.

8. SUBMITTALS OF REPORTS AND CERTIFICATIONS

Compliance notifications, monitoring results and reports, emissions sampling and measurement data, monitoring activity reports, compliance schedule progress reports, test protocols, excess emission forms, and test reports, if any and any other compliance status information required by this permit shall be certified by the responsible official and submitted to:

Test protocols and compliance tests and all reports shall be submitted to:

Albuquerque Environmental Health Department
Air Quality Program
Attention: Enforcement Supervisor
P.O. Box 1293
Albuquerque, New Mexico 87103

All reports shall be submitted to:

Albuquerque Environmental Health Department
Air Quality Program
Attention: Compliance Officer
P.O. Box 1293
Albuquerque, New Mexico 87103

EPA Address -- All correspondence to the EPA required by this permit shall be sent to the following address:

Director, Compliance Assurance and Enforcement Division
U.S. EPA, Region 6
1445 Ross Ave., Suite 700
Dallas, TX 75202

Questions about this permit should be referred to Manager of the Permitting Section of the Air Quality Program in Albuquerque at 505-768-1962.

Attachments:
1) Excess Emission Form (for reporting deviations and emergencies)
2) Operations and Maintenance Plan (OMP)
3) Compliance Assurance Monitoring (CAM) Plan

9. GREENHOUSE GAS REQUIREMENTS

9.1.1 GREENHOUSE GAS MONITORING REQUIREMENTS UNDER 40 CFR 98 SUBPART H

The Facility shall comply with the monitoring and QA/QC requirements of 40 CFR 98.84 for greenhouse gases.

9.1.2 RECORD KEEPING

The Facility shall comply with the recordkeeping requirements of 40 CFR 98.87 and 98.86 for greenhouse gases.

9.1.3 REPORTING

The Facility shall comply with the reporting requirements of 40 CFR 98.82 and 98.86 for greenhouse gases

Appendix 1. Non-applicable Requirements

The Department has determined that the following requirements identified in the Permit Application are not Applicable Requirements for this facility

Requirements as identified in the Permit Application	Not Applicable For This Facility[1]	No Requirements[2]
20.11.44 NMAC Emissions Trading		X
20.11.60 NMAC Permitting in Non-Attainment Areas		X
40 CFR 52 Approval and Promulgation of Implementation Plans (sections 52.01--52.1018)	X	
40 CFR 60 Subpart K	X	
40 CFR 60 Subpart Ka	X	
40 CFR 60 Subpart Kb	X	
40 CFR 60 Subpart OOO	X	
40 CFR 60 Subpart CCCC	X	
40 CFR 60 Subparts IIII and JJJJ	X	
40 CFR 63, Subpart CCCCCC	X	
40 CFR 68 Risk Management Plan	X	
40 CFR Part 241	X	

(1) No existing or planned operation/activity at this facility triggers the applicability of these requirements.

(2) Although these regulations may provide guidance, they do not impose any specific requirements on the operation of the Facility as described in this permit.