ALLIANT ENVIRONMENTAL, LLC

April 29, 2021

New Mexico Environmental Department
Air Quality Bureau, Minor Source Permit Section
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505-1816

RE: Castillo Prestress
Veguita South Crusher Plant
Initial Minor Source NSR Permit Application

Dear Sir/Madam:

On behalf of Castillo Prestress, Alliant Environmental is submitting this initial NSR Permit Application for a proposed new crusher plant to be located near Veguita, NM (south of Belen, NM) in Socorro County.

Castillo Prestress is proposing to construct and operate the Veguita South Crushing Plant, which is a sand/gravel/rock (aggregate) crushing facility. Castillo Prestress is submitting this application to the New Mexico Environment Department (NMED) as an initial air quality New Source Review (NSR) application per 20.2.72.200.A NMAC.

The Veguita South Crushing Plan will consist of the following equipment:

- One surge bin
- Three crushers (one cone crusher, one jaw crusher, and one roller cone crusher)
- Two Screens
- 28 Conveyors
- One aggregate wash plant
- Trucks (Haul Road) and Front Loaders

The plant is powered by line power. No generator engines are required and are therefore not included in this application. The Veguita South Crusher Plant will operate at a maximum rate of 300 tons per hour (TPH).

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (505) 205-4819 or by e-mail at mschluep@alliantenv.com.

Sincerely,

ALLIANT ENVIRONMENTAL, LLC

Martin R. Schluep
Principal

Alliant Environmental, LLC
7804 Pan American Fwy. NE, Suite 5
Albuquerque, NM 87109
505.205.4819 : Ph
505.771.0793 : Fx
www.alliantenv.com

Castillo Prestress

Veguita South Crusher Plant

Initial NSR Permit Application

Veguita, NM
Socorro County, NM

April 2021

Prepared for:

Castillo Prestress
P.O. Box 640
Belen, NM 87002

Prepared by:

Alliant Environmental, LLC
7804 Pan American Fwy. NE
Albuquerque, NM 87109

Mail Application To:		**For Department use only:**
New Mexico Environment Department Air Quality Bureau Permits Section 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico, 87505 Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb		AIRS No.:

Universal Air Quality Permit Application

Use this application for NOI, NSR, or Title V sources.

Use this application for: the initial application, modifications, technical revisions, and renewals. For technical revisions, complete Sections, 1-A, 1-B, 2-E, 3, 9 and any other sections that are relevant to the requested action; coordination with the Air Quality Bureau permit staff prior to submittal is encouraged to clarify submittal requirements and to determine if more or less than these sections of the application are needed. Use this application for streamline permits as well. See Section 1-I for submittal instructions for other permits.

This application is submitted as (check all that apply): ☐ Request for a No Permit Required Determination (no fee)
☐ **Updating** an application currently under NMED review. Include this page and all pages that are being updated (no fee required).
Construction Status: ☐ Not Constructed ☐ Existing Permitted (or NOI) Facility ☐ Existing Non-permitted (or NOI) Facility
Minor Source: ☐ a NOI 20.2.73 NMAC ☐ 20.2.72 NMAC application or revision ☐ 20.2.72.300 NMAC Streamline application
Title V Source: ☐ Title V (new) ☐ Title V renewal ☐ TV minor mod. ☐ TV significant mod. TV Acid Rain: ☐ New ☐ Renewal
PSD Major Source: ☐ PSD major source (new) ☐ minor modification to a PSD source ☐ a PSD major modification

Acknowledgements:

☒ I acknowledge that a pre-application meeting is available to me upon request. ☐ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.

☒ $500 NSR application Filing Fee enclosed OR ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).

☒ Check No.: 0585 in the amount of **$500**

☒ I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.

☐ This facility qualifies to receive assistance from the Small Business Environmental Assistance program (SBEAP) and qualifies for 50% of the normal application and permit fees. Enclosed is a check for 50% of the normal application fee which will be verified with the Small Business Certification Form for your company.

☐ This facility qualifies to receive assistance from the Small Business Environmental Assistance Program (SBEAP) but does not qualify for 50% of the normal application and permit fees. To see if you qualify for SBEAP assistance and for the small business certification form go to https://www.env.nm.gov/aqb/sbap/small_business_criteria.html).

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.200.A NMAC**
(e.g. application for a new minor source would be 20.2.72.200.A NMAC, one example for a Technical Permit Revision is 20.2.72.219.B.1.b NMAC, a Title V acid rain application would be: 20.2.70.200.C NMAC)

Section 1 – Facility Information

Section 1-A: Company Information

		AI # if known (see 1st 3 to 5 #s of permit IDEA ID No.):	Updating Permit/NOI #: **N/A**
1	Facility Name: **Veguita South Crusher Plant**	Plant primary SIC Code (4 digits): **1442**	
		Plant NAIC code (6 digits): **212321**	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): **From Belen, NM take Hwy 309 East until you cross Hwy 304. Take Hwy 304 South for approximately 11.6 mi. Go East on Carlos Martinez Rd. for approximately 0.7 mi. The Veguita South Crusher Plant facility is just south of Carlos Martinez Rd.**		
2	Plant Operator Company Name: **Castillo Prestress**	Phone/Fax: **(505) 864-0238/(505) 861-0323**	
a	Plant Operator Address: **P.O. Box 640, Belen, NM 87002-0640**		

b	Plant Operator's New Mexico Corporate ID or Tax ID: **74-2837083**	
3	Plant Owner(s) name(s): **Richard C. Castillo**	Phone/Fax: **(505) 864-0238/(505) 861-0323**
a	Plant Owner(s) Mailing Address(s): **P.O Box 640, Belen, NM 87002-0640**	
4	Bill To (Company): **Castillo Prestress**	Phone/Fax: **(505) 864-0238/(505) 861-0323**
a	Mailing Address: **P.O Box 640, Belen, NM 87002-0640**	E-mail: **rcastillo@castilloprestress.com**
5	☒ Preparer: **Martin R. Schluep, Alliant Environmental, LLC** ☒ Consultant:	Phone/Fax: **(505) 205-4819**
a	Mailing Address: **7804 Pan American Fwy. NE, Suite 5, Albuquerque, NM 87109**	E-mail: **mschluep@alliantenv.com**
6	Plant Operator Contact: **Richard C. Castillo**	Phone/Fax: **(505) 864-0238/(505) 861-0323**
a	Address: **P.O Box 640, Belen, NM 87002-0640**	E-mail: **rcastillo@castilloprestress.com**
7	Air Permit Contact: **Richard C. Castillo**	Title: **President/CEO**
a	E-mail: **rcastillo@castilloprestress.com**	Phone/Fax:
b	Mailing Address: **P.O Box 640, Belen, NM 87002-0640**	
c	The designated Air permit Contact will receive all official correspondence (i.e. letters, permits) from the Air Quality Bureau.	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? ☐ Yes **X** No	1.b If yes to question 1.a, is it currently operating in New Mexico? ☐ Yes ☐ No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? ☐ Yes ☐ No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? ☐ Yes ☐ No
3	Is the facility currently shut down? ☐ Yes **X** No	If yes, give month and year of shut down (MM/YY):
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? ☐ Yes **X** No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? ☐Yes ☐No **X** N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☐ Yes **X** No	If yes, the permit No. is: P-
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes **X** No	If yes, the NPR No. is:
8	Has this facility been issued a Notice of Intent (NOI)? ☐ Yes **X** No	If yes, the NOI No. is:
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☐ Yes **X** No	If yes, the permit No. is:
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes **X** No	If yes, the register No. is:

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: **N/A**	Daily: **N/A**	Annually: **N/A**
b	Proposed	Hourly: **300 tons**	Daily: **3,600 tons**	Annually: **1,314,000 tons**
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: **N/A**	Daily: **N/A3,600 tons**	Annually: **N/A**
b	Proposed	Hourly: **300 tons**	Daily: **3,600 tons**	Annually: **1,314,000 tons**

Section 1-D: Facility Location Information

1	Section: **17**	Range: **2E**	Township: **3N**	County: **Socorro**	Elevation (ft): **4,861**
2	UTM Zone: ☐ 12 or ☒ 13			Datum: ☐ NAD 27 ☒ NAD 83 ☐ WGS 84	
a	UTM E (in meters, to nearest 10 meters): **338805**			UTM N (in meters, to nearest 10 meters): **3816968**	
b	**AND** Latitude (deg., min., sec.): **34deg 28min 54.17sec**			Longitude (deg., min., sec.): **-106deg 45min 19.42sec**	
3	Name and zip code of nearest New Mexico town: **Belen, NM 87002**				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): **From Belen, NM take Hwy 309 East until you cross Hwy 304. Take Hwy 304 South for approximately 11.6 mi. Go East on Carlos Martinez Rd. for approximately 0.7 mi. The Veguita South Crusher Plant facility is just south of Carlos Martinez Rd.**				
5	The facility is **13** miles **South** (direction) of **Belen, NM** (nearest town).				
6	Status of land at facility (check one): ☒ Private ☐ Indian/Pueblo ☐ Federal BLM ☐ Federal Forest Service ☐ Other (specify)				
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: **Socorro County and Valencia County, City of Belen, NM**				
8	**20.2.72** NMAC applications **only**: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/aqb/modeling/class1areas.html)? ☐ Yes ☒ No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers:				
9	Name nearest Class I area: **Bosque del Apache National Wildlife Refuge**				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): **75 km**				
11	Distance (meters) from the perimeter of the Area of Operations (AO is defined as the plant site inclusive of all disturbed lands, including mining overburden removal areas) to nearest residence, school or occupied structure: **360 meters**				
12	Method(s) used to delineate the Restricted Area: **The restricted area is surrounded by fencing and/or signage.** "**Restricted Area**" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? ☐ Yes ☒ No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.				
14	Will this facility operate in conjunction with other air regulated parties on the same property? ☒ No ☐ Yes If yes, what is the name and permit number (if known) of the other facility?				

Section 1-E: Proposed Operating Schedule (The 1-E.1 & 1-E.2 operating schedules may become conditions in the permit.)

1	Facility **maximum** operating ($\frac{\text{hours}}{\text{day}}$): **12**	($\frac{\text{days}}{\text{week}}$): **6**	($\frac{\text{weeks}}{\text{year}}$): **52**	($\frac{\text{hours}}{\text{year}}$): **3,744**		
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: **6**	☒AM ☐PM	End: **6**	☐AM ☒PM		
3	Month and year of anticipated start of construction: **As soon as permit is issued (May 2021)**					
4	Month and year of anticipated construction completion: **May 2021**					
5	Month and year of anticipated startup of new or modified facility: **May 2021**					
6	Will this facility operate at this site for more than one year? ☒ Yes ☐ No					

Section 1-F: Other Facility Information

1	Are there any current Notice of Violations (NOV), compliance orders, or any other compliance or enforcement issues related to this facility? ☐ Yes ☒ No If yes, specify:		
a	If yes, NOV date or description of issue:		NOV Tracking No:
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? ☐ Yes ☐ No If Yes, provide the 1c & 1d info below:		
c	Document Title:	Date:	Requirement # (or page # and paragraph #):
d	Provide the required text to be inserted in this permit:		
2	Is air quality dispersion modeling or modeling waiver being submitted with this application? ☐ Yes ☒ No		
3	Does this facility require an "Air Toxics" permit under 20.2.72.400 NMAC & 20.2.72.502, Tables A and/or B? ☐ Yes ☒ No		
4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? ☐ Yes ☒ No		
a	If Yes, what type of source? ☐ **Major** (☐ ≥10 tpy of any single HAP **OR** ☐ ≥25 tpy of any combination of HAPS) **OR** ☐ **Minor** (☐ <10 tpy of any single HAP **AND** ☐ <25 tpy of any combination of HAPS)		
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? ☐ Yes ☒ No		
a	If yes, include the name of company providing commercial electric power to the facility: _____ Commercial power is purchased from a commercial utility company, which specifically does not include power generated on site for the sole purpose of the user.		

Section 1-G: Streamline Application

(This section applies to 20.2.72.300 NMAC Streamline applications only)

1	☐ I have filled out Section 18, "Addendum for Streamline Applications." ☐ N/A (This is not a Streamline application.)

Section 1-H: Current Title V Information - Required for all applications from TV Sources

(Title V-source required information for all applications submitted pursuant to 20.2.72 NMAC (Minor Construction Permits), or 20.2.74/20.2.79 NMAC (Major PSD/NNSR applications), and/or 20.2.70 NMAC (Title V))

1	Responsible Official (R.O.) (20.2.70.300.D.2 NMAC):		Phone:
a	R.O. Title:	R.O. e-mail:	
b	R. O. Address:		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC):		Phone:
a	A. R.O. Title:	A. R.O. e-mail:	
b	A. R. O. Address:		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship):		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.):		
a	Address of Parent Company:		
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.):		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations:		
7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers:		

Section 1-I – Submittal Requirements

Each 20.2.73 NMAC (**NOI**), a 20.2.70 NMAC (**Title V**), a 20.2.72 NMAC (**NSR** minor source), or 20.2.74 NMAC (**PSD**) application package shall consist of the following:

Hard Copy Submittal Requirements:

1) One hard copy **original signed and notarized application package** **printed double sided** **'head-to-toe'** **2-hole punched** as we bind the document on top, not on the side; except Section 2 (landscape tables), which should be head-to-head. Please use **numbered tab separators** in the hard copy submittal(s) as this facilitates the review process. For NOI submittals only, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required. Please include a copy of the check on a separate page.

2) If the application is for a minor NSR, PSD, NNSR, or Title V application, include one working hard **copy** for Department use. This copy should be printed in book form, 3-hole punched, and **must be double sided**. Note that this is in addition to the head-to-to 2-hole punched copy required in 1) above. Minor NSR Technical Permit revisions (20.2.72.219.B NMAC) only need to fill out Sections 1-A, 1-B, 3, and should fill out those portions of other Section(s) relevant to the technical permit revision. TV Minor Modifications need only fill out Sections 1-A, 1-B, 1-H, 3, and those portions of other Section(s) relevant to the minor modification. NMED may require additional portions of the application to be submitted, as needed.

3) The entire NOI or Permit application package, including the full modeling study, should be submitted electronically. Electronic files for applications for NOIs, any type of General Construction Permit (GCP), or technical revisions to NSRs must be submitted with compact disk (CD) or digital versatile disc (DVD). For these permit application submittals, **two** CD copies are required (in sleeves, not crystal cases, please), with additional CD copies as specified below. NOI applications require only a single CD submittal. Electronic files for other New Source Review (construction) permits/permit modifications or Title V permits/permit modifications can be submitted on CD/DVD or sent through AQB's secure file transfer service.

Electronic files sent by (check one):

☐ CD/DVD attached to paper application

☐ secure electronic transfer. Air Permit Contact Name_____

Email_____

Phone number _____

a. If the file transfer service is chosen by the applicant, after receipt of the application, the Bureau will email the applicant with instructions for submitting the electronic files through a secure file transfer service. Submission of the electronic files through the file transfer service needs to be completed within 3 business days after the invitation is received, so the applicant should ensure that the files are ready when sending the hard copy of the application. The applicant will not need a password to complete the transfer. **Do not use the file transfer service for NOIs, any type of GCP, or technical revisions to NSR permits.**

4) Optionally, the applicant may submit the files with the application on compact disk (CD) or digital versatile disc (DVD) following the instructions above and the instructions in 5 for applications subject to PSD review.

5) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver** and/or electronic air dispersion modeling report, input, and output files. The dispersion modeling ***summary report only*** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau.

6) If the applicant submits the electronic files on CD and the application is subject to PSD review under 20.2.74 NMAC (PSD) or NNSR under 20.2.79 NMC include,
   a. one additional CD copy for US EPA,
   b. one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
   c. one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

   If the application is submitted electronically through the secure file transfer service, these extra CDs do not need to be submitted.

Electronic Submittal Requirements [in addition to the required hard copy(ies)]:

1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.

2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text and formulas in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible

format shall be saved as a PDF file from within the electronic document that created the file. If you are unable to provide Microsoft office compatible electronic files or internally generated PDF files of files (items that were not created electronically: i.e. brochures, maps, graphics, etc,), submit these items in hard copy format. We must be able to review the formulas and inputs that calculated the emissions.

3) It is preferred that this application form be submitted as 4 electronic files (3 MSWord docs: Universal Application section 1 [UA1], Universal Application section 3-19 [UA3], and Universal Application 4, the modeling report [UA4]) and 1 Excel file of the tables (Universal Application section 2 [UA2]). Please include as many of the 3-19 Sections as practical in a single MS Word electronic document. Create separate electronic file(s) if a single file becomes too large or if portions must be saved in a file format other than MS Word.

4) The electronic file names shall be a maximum of 25 characters long (including spaces, if any). The format of the electronic Universal Application shall be in the format: "A-3423-FacilityName". The "A" distinguishes the file as an application submittal, as opposed to other documents the Department itself puts into the database. Thus, all electronic application submittals should begin with "A-". Modifications to existing facilities should use the core permit number (i.e. '3423') the Department assigned to the facility as the next 4 digits. Use 'XXXX' for new facility applications. The format of any separate electronic submittals (additional submittals such as non-Word attachments, re-submittals, application updates) and Section document shall be in the format: "A-3423-9-description", where "9" stands for the section # (in this case Section 9-Public Notice). Please refrain, as much as possible, from submitting any scanned documents as this file format is extremely large, which uses up too much storage capacity in our database. Please take the time to fill out the header information throughout all submittals as this will identify any loose pages, including the Application Date (date submitted) & Revision number (0 for original, 1, 2, etc.; which will help keep track of subsequent partial update(s) to the original submittal. Do not use special symbols (#, @, etc.) in file names. The footer information should not be modified by the applicant.

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Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
1	Material Batch Drop by Fron Loader	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	1 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
2	Material Batch Drop by Fron Loader	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	2 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
3	Bulk Loading of Surge Bin	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	3 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
4	Loading of Jaw Crusher	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	4 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
5	Loading of Cone Crusher	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	5 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
6	Roller Cone Crusher	TEREX	RC45II	TBD	300 TPH	300 TPH	2020 / 2021	6 / N/A	30502001	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
7	Jaw Crusher	TEREX	MJ400R	TBD	300 TPH	300 TPH	2020 / 2021	7 / N/A	30502001	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
8	Cone Crusher	TEREX	MC1300	TBD	300 TPH	300 TPH	2020 / 2021	8 / N/A	30502001	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
9	Screen 1	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	9 / N/A	30502015	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
10	Screen 2	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	10 / N/A	30502015	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
11	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	11 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
12	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	12 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
13	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	13 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
14	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	14 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
15	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	15 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
16	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	16 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
17	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	16 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
18	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	16 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
19	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	16 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
20	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	16 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
21-49	28 Conveyors	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	16 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
50	Product Storage Pile	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	17 / N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
51	Loadout from Pile	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	18 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
52	Loadout from Pile	N/A	N/A	N/A	300 TPH	300 TPH	N/A / N/A	19 / N/A	30502031	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
53	Haul Roads	N/A	N/A	N/A	N/A	N/A	N/A / N/A	20 / N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	

Table 2-B: Insignificant Activities[1] (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at https://www.env.nm.gov/wp-content/uploads/sites/2/2017/10/InsignificantListTitleV.pdf. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction[2]	For Each Piece of Equipment, Check Onc
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction[2]	
N/A							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced

[1] Insignificant activities exempted due to size or production rate are defined in 20.2.70.300.D.6, 20.2.70.7.Q NMAC, and the NMED/AQB List of Insignificant Activities, dated September 15, 2008. Emissions from these insignificant activities do not need to be reported, unless specifically requested.

[2] Specify date(s) required to determine regulatory applicability.

Table 2-C: Emissions Control Equipment

Unit and stack numbering must correspond throughout the application package. Only list control equipment for TAPs if the TAP's maximum uncontrolled emissions rate is over its respective threshold as listed in 20.2.72 NMAC, Subpart V, Tables A and B. In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions.

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s)[1]	Efficiency (% Control by Weight)	Method used to Estimate Efficiency
1	Water Spray	TBD	Particulate Matter (PM)	1	90%	AP-42 13.2.4
2	Water Spray	TBD	PM	2	90%	AP-42 13.2.4
3	Water Spray	TBD	PM	3	90%	AP-42 13.2.4
4	Water Spray	TBD	PM	4	90%	AP-42 13.2.4
5	Water Spray	TBD	PM	5	90%	AP-42 13.2.4
6	Water Spray	TBD	PM	6	77.7%	AP-42 11.19.2-2
7	Water Spray	TBD	PM	7	77.7%	AP-42 11.19.2-2
8	Water Spray	TBD	PM	8	77.7%	AP-42 11.19.2-2
9	Water Spray	TBD	PM	9	91.6%	AP-42 11.19.2-2
10	Water Spray	TBD	PM	10	91.6%	AP-42 11.19.2-2
11	Water Spray/moisture caryyover	TBD	PM	11	90%	AP-42 13.2.4
12	Water Spray/moisture caryyover	TBD	PM	12	90%	AP-42 13.2.4
13	Water Spray/moisture caryyover	TBD	PM	13	90%	AP-42 13.2.4
14	Water Spray/moisture caryyover	TBD	PM	14	90%	AP-42 13.2.4
15	Water Spray/moisture caryyover	TBD	PM	15	90%	AP-42 13.2.4
16	Water Spray/moisture caryyover	TBD	PM	16	90%	AP-42 13.2.4
17	Water Spray/moisture caryyover	TBD	PM	17	90%	AP-42 13.2.4
18	Water Spray/moisture caryyover	TBD	PM	18	90%	AP-42 13.2.4
19	Water Spray/moisture caryyover	TBD	PM	19	90%	AP-42 13.2.4
20	Water Spray/moisture caryyover	TBD	PM	20	80%	AP-42 13.2.4
21-49	Water Spray/moisture caryyover	TBD	PM	21-49	90%	AP-42 13.2.4
50	Water Spray/moisture caryyover	TBD	PM	51	90%	AP-42 13.2.4
51	Water Spray/moisture caryyover	TBD	PM	52	90%	AP-42 13.2.4
53	Water Spray	TBD	PM	53	80%	AP-42 13.2-2

[1] List each control device on a separate line. For each control device, list all emission units controlled by the control device.

Table 2-D: Maximum Emissions (under normal operating conditions)

☐ **This Table was intentionally left blank because it would be identical to Table 2-E.**

Maximum Emissions are the emissions at maximum capacity and prior to (in the absence of) pollution control, emission-reducing process equipment, or any other emission reduction. Calculate the hourly emissions using the worst case hourly emissions for each pollutant. For each pollutant, calculate the annual emissions as if the facility were operating at maximum plant capacity without pollution controls for 8760 hours per year, unless otherwise approved by the Department. List Hazardous Air Pollutants (HAP) & Toxic Air Pollutants (TAPs) in Table 2-I. Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1											0.67	2.93	0.10	0.44				
2											0.67	2.93	0.10	0.44				
3											0.67	2.93	0.10	0.44				
4											0.67	2.93	0.10	0.44				
5											0.67	2.93	0.10	0.44				
6											0.72	3.15	0.72	3.15				
7											0.72	3.15	0.72	3.15				
8											0.72	3.15	0.72	3.15				
9											2.61	11.43	2.61	11.43				
10											2.61	11.43	2.61	11.43				
11											0.67	2.93	0.10	0.44				
12											0.67	2.93	0.10	0.44				
13											0.67	2.93	0.10	0.44				
14											0.67	2.93	0.10	0.44				
15											0.67	2.93	0.10	0.44				
16											0.67	2.93	0.10	0.44				
17											0.67	2.93	0.10	0.44				
18											0.67	2.93	0.10	0.44				
19											0.67	2.93	0.10	0.44				
20											0.67	2.93	0.10	0.44				
21-49											9.24	40.47	9.24	40.47				
50											0.67	2.93	0.10	0.44				
51											0.67	2.93	0.10	0.44				
52											0.67	2.93	0.10	0.44				
53											4.14	6.26	0.41	0.63				
Totals											**32.81**	**131.86**	**18.86**	**81.42**				

[1]**Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or $1.41E^{-4}$).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1											0.07	0.13	0.01	0.02				
2											0.07	0.13	0.01	0.02				
3											0.07	0.13	0.01	0.02				
4											0.07	0.13	0.01	0.02				
5											0.07	0.13	0.01	0.02				
6											0.16	0.30	0.03	0.06				
7											0.16	0.30	0.03	0.06				
8											0.16	0.30	0.03	0.06				
9											0.22	0.42	0.02	0.03				
10											0.22	0.42	0.02	0.03				
11											0.07	0.13	0.01	0.02				
12											0.07	0.13	0.01	0.02				
13											0.07	0.13	0.01	0.02				
14											0.07	0.13	0.01	0.02				
15											0.07	0.13	0.01	0.02				
16											0.07	0.13	0.01	0.02				
17											0.07	0.13	0.01	0.02				
18											0.07	0.13	0.01	0.02				
19											0.07	0.13	0.01	0.02				
20											0.07	0.13	0.01	0.02				
21-49											0.39	0.72	0.11	0.20				
50											0.07	0.13	0.01	0.02				
51											0.07	0.13	0.01	0.02				
52											0.07	0.13	0.01	0.02				
53											0.83	1.25	0.08	0.13				
Totals											**3.35**	**5.97**	**0.49**	**0.90**				

[1] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-F: Additional Emissions during Startup, Shutdown, and Routine Maintenance (SSM)

X This table is intentionally left blank since all emissions at this facility due to routine or predictable startup, shutdown, or scehduled maintenance are no higher than those listed in Table 2-E and a malfunction emission limit is not already permitted or requested. If you are required to report GHG emissions as described in Section 6a, include any GHG emissions during Startup, Shutdown, and/or Scheduled Maintenance (SSM) in Table 2-P. Provide an explanations of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine our predictable startup, shutdown or scheduled maintenance (SSM)[1], including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.env.nm.gov/aqb/permit/aqb_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[2]		PM10[2]		PM2.5[2]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Totals																		

[1] **For instance**, if the short term steady-state Table 2-E emissions are 5 lb/hr and the SSM rate is 12 lb/hr, enter 7 lb/hr in this table. If the annual steady-state Table 2-E emissions are 21.9 TPY, and the number of scheduled SSM events result in annual emissions of 31.9 TPY, enter 10.0 TPY in the table below.

[2] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-G: Stack Exit and Fugitive Emission Rates for Special Stacks

X I have elected to leave this table blank because this facility does not have any stacks/vents that split emissions from a single source or combine emissions from more than one source listed in table 2-A. Additionally, the emission rates of all stacks match the Requested allowable emission rates stated in Table 2-E.

Use this table to list stack emissions (requested allowable) from split and combined stacks. List Toxic Air Pollutants (TAPs) and Hazardous Air Pollutants (HAPs) in Table 2-I. List all fugitives that are associated with the normal, routine, and non-emergency operation of the facility. Unit and stack numbering must correspond throughout the application package. Refer to Table 2-E for instructions on use of the "-" symbol and on significant figures.

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		PM		PM10		PM2.5		☐ H_2S or ☐ Lead	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Totals:																	

Table 2-H: Stack Exit Conditions

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that emits from a stack, including blowdown venting parameters and tank emissions. If the facility has multiple operating scenarios, complete a separate Table 2-H for each scenario and, for each, type scenario name here:

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H-Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
N/A										

Table 2-I: Stack Exit and Fugitive Emission Rates for HAPs and TAPs

In the table below, report the Potential to Emit for each HAP from each regulated emission unit listed in Table 2-A, only if the entire facility emits the HAP at a rate greater than or equal to one (1) ton per year For each such emission unit, HAPs shall be reported to the nearest 0.1 tpy. Each facility-wide Individual HAP total and the facility-wide Total HAPs shall be the sum of all HAP sources calculated to the nearest 0.1 ton per year. Per 20.2.72.403.A.1 NMAC, facilities not exempt [see 20.2.72.402.C NMAC] from TAP permitting shall report each TAP that has an uncontrolled emission rate in excess of its pounds per hour screening level specified in 20.2.72.502 NMAC. TAPs shall be reported using one more significant figure than the number of significant figures shown in the pound per hour threshold corresponding to the substance. Use the HAP nomenclature as it appears in Section 112 (b) of the 1990 CAAA and the TAP nomenclature as it listed in 20.2.72.502 NMAC. Include tank-flashing emissions estimates of HAPs in this table. For each HAP or TAP listed, fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected or the pollutant is emitted in a quantity less than the threshold amounts described above.

Stack No.	Unit No.(s)	Total HAPs		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
N/A	N/A																		
Totals:																			

Table 2-J: Fuel

Specify fuel characteristics and usage. Unit and stack numbering must correspond throughout the application package.

Unit No.	Fuel Type (low sulfur Diesel, ultra low sulfur diesel, Natural Gas, Coal, …)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
N/A							

Table 2-K: Liquid Data for Tanks Listed in Table 2-L

For each tank, list the liquid(s) to be stored in each tank. If it is expected that a tank may store a variety of hydrocarbon liquids, enter "mixed hydrocarbons" in the Composition column for that tank and enter the corresponding data of the most volatile liquid to be stored in the tank. If tank is to be used for storage of different materials, list all the materials in the "All Calculations" attachment, run the newest version of TANKS on each, and use the material with the highest emission rate to determine maximum uncontrolled and requested allowable emissions rate. The permit will specify the most volatile category of liquids that may be stored in each tank. Include appropriate tank-flashing modeling input data. Use additional sheets if necessary. Unit and stack numbering must correspond throughout the application package.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
N/A									

Table 2-L: Tank Data

Include appropriate tank-flashing modeling input data. Use an addendum to this table for unlisted data categories. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L2. Note: 1.00 bbl = 10.159 M3 = 42.0 gal

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-LR below)	Roof Type (refer to Table 2-LR below)	Capacity		Diameter (M)	Vapor Space (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gal/yr)	Turn-overs (per year)
					(bbl)	(M^3)			Roof	Shell			
N/A													

Table 2-L2: Liquid Storage Tank Data Codes Reference Table

Roof Type	Seal Type, Welded Tank Seal Type		Seal Type, Riveted Tank Seal Type		Roof, Shell Color	Paint Condition
FX: Fixed Roof	**Mechanical Shoe Seal**	**Liquid-mounted resilient seal**	**Vapor-mounted resilient seal**	**Seal Type**	**WH**: White	Good
IF: Internal Floating Roof	**A**: Primary only	**A**: Primary only	**A**: Primary only	**A**: Mechanical shoe, primary only	**AS**: Aluminum (specular)	Poor
EF: External Floating Roof	**B**: Shoe-mounted secondary	**B**: Weather shield	**B**: Weather shield	**B**: Shoe-mounted secondary	**AD**: Aluminum (diffuse)	
P: Pressure	**C**: Rim-mounted secondary	**C**: Rim-mounted secondary	**C**: Rim-mounted secondary	**C**: Rim-mounted secondary	**LG**: Light Gray	
					MG: Medium Gray	
					BL: Black	
					OT: Other (specify)	

Note: 1.00 bbl = 0.159 M^3 = 42.0 gal

Table 2-M: Materials Processed and Produced (Use additional sheets as necessary.)

Material Processed				Material Produced			
Description	**Chemical Composition**	**Phase (Gas, Liquid, or Solid)**	**Quantity (specify units)**	**Description**	**Chemical Composition**	**Phase**	**Quantity (specify units)**
N/A							

Table 2-N: CEM Equipment

Enter Continuous Emissions Measurement (CEM) Data in this table. If CEM data will be used as part of a federally enforceable permit condition, or used to satisfy the requirements of a state or federal regulation, include a copy of the CEM's manufacturer specification sheet in the Information Used to Determine Emissions attachment. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Stack No.	Pollutant(s)	Manufacturer	Model No.	Serial No.	Sample Frequency	Averaging Time	Range	Sensitivity	Accuracy
N/A									

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
N/A								

Table 2-P: Greenhouse Gas Emissions

Applications submitted under 20.2.70, 20.2.72, & 20.2.74 NMAC are required to complete this Table. Power plants, Title V major sources, and PSD major sources must report and calculate all GHG emissions for each unit. Applicants must report potential emission rates in short tons per year (see Section 6.a for assistance). Include GHG emissions during Startup, Shutdown, and Scheduled Maintenance in this table. For minor source facilities that are not power plants, are not Title V, or are not PSD, there are three options for reporting GHGs 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHG as a second separate unit; OR 3) check the following box ☐ By checking this box, the applicant acknowledges the total CO2e emissions are less than 75,000 tons per year.

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									Total GHG Mass Basis ton/yr[4]	Total CO_2e ton/yr[5]
Unit No.	**GWPs [1]**	**1**	**298**	**25**	**22,800**	**footnote 3**										
N/A	**mass GHG**															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
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	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO2e															
Total	**mass GHG**															
	CO_2e															

[1] **GWP** (Global Warming Potential): Applicants must use the most current GWPs codified in Table A-1 of 40 CFR part 98. GWPs are subject to change, therefore, applicants need to check 40 CFR 98 to confirm GWP values.

[2] For **HFCs** or **PFCs** describe the specific HFC or PFC compound and use a separate column for each individual compound.

[3] For each new compound, enter the appropriate GWP for each HFC or PFC compound from Table A-1 in 40 CFR 98.

[4] Green house gas emissions on a **mass basis** is the ton per year green house gas emission before adjustment with its GWP.

[5] **CO_2e** means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house gas by its GWP.

Section 3

Application Summary

The **Application Summary** shall include a brief description of the facility and its process, the type of permit application, the applicable regulation (i.e. 20.2.72.200.A.X, or 20.2.73 NMAC) under which the application is being submitted, and any air quality permit numbers associated with this site. If this facility is to be collocated with another facility, provide details of the other facility including permit number(s). In case of a revision or modification to a facility, provide the lowest level regulatory citation (i.e. 20.2.72.219.B.1.d NMAC) under which the revision or modification is being requested. Also describe the proposed changes from the original permit, how the proposed modification will affect the facility's operations and emissions, de-bottlenecking impacts, and changes to the facility's major/minor status (both PSD & Title V).

The **Process Summary** shall include a brief description of the facility and its processes.

Startup, Shutdown, and Maintenance (SSM) routine or predictable emissions: Provide an overview of how SSM emissions are accounted for in this application. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions.

Cstillo Prestress is proposing to construct and operate the Veguita South Crushing Plant, which is a sand/gravel/rock (aggregate) crushing facility. Castillo Prestress is submitting this application to the New Mexico Environment Department (NMED) as an initial air quality New Source Review (NSR) application per 20.2.72.200.A NMAC.

The Veguita South Crushing Plan will consist of the following equipment:

- One surge bin
- Three crushers (one cone crusher, one jaw crusher, and one roller cone crusher)
- Two Screens
- 28 Conveyors
- One aggregate wash plant
- Trucks (Haul Road) and Front Loaders

The plant is powered by line power. No generator engines are required and are therefore not included in this application. The Veguita South Crusher Plant will operate at a maximum rate of 300 tons per hour (TPH). The requested annual hours of operation are 3,744 hours per year. The daily and maximum operating hours and schedule are from 6 am to 6 pm 6 days a week and 52 weeks per year.

The location of the equipment will remain at the proposed location; i.e., the crusher plant is not a portable plant. The location of the equipment presented in the modeling is presented as the general/worst case scenario. The Veguita South Crusher Plant was input into the AERMOD air dispersion model along with significant neighbors (surrounding sources) per NMED's air dispersion modeling guidelines, to show compliance with the National and New Mexico Ambient Air Quality Standards (N/NMAAQS) in the final cumulative impacts analysis modeling.

The crusher plant equipment is controlled by water spray and haul truck traffic (haul road emissions) are controlled with base course and watering. Haul truck traffic at the Veguita South Crusher Plant will be limited to 60 trucks per day. The wash plant washes aggregate with water. The only emissions associated with wash plant are when aggregate is loaded into the wash plant. Once the material is in the wash plant, the moisture from the water bath contains all particulate matter.

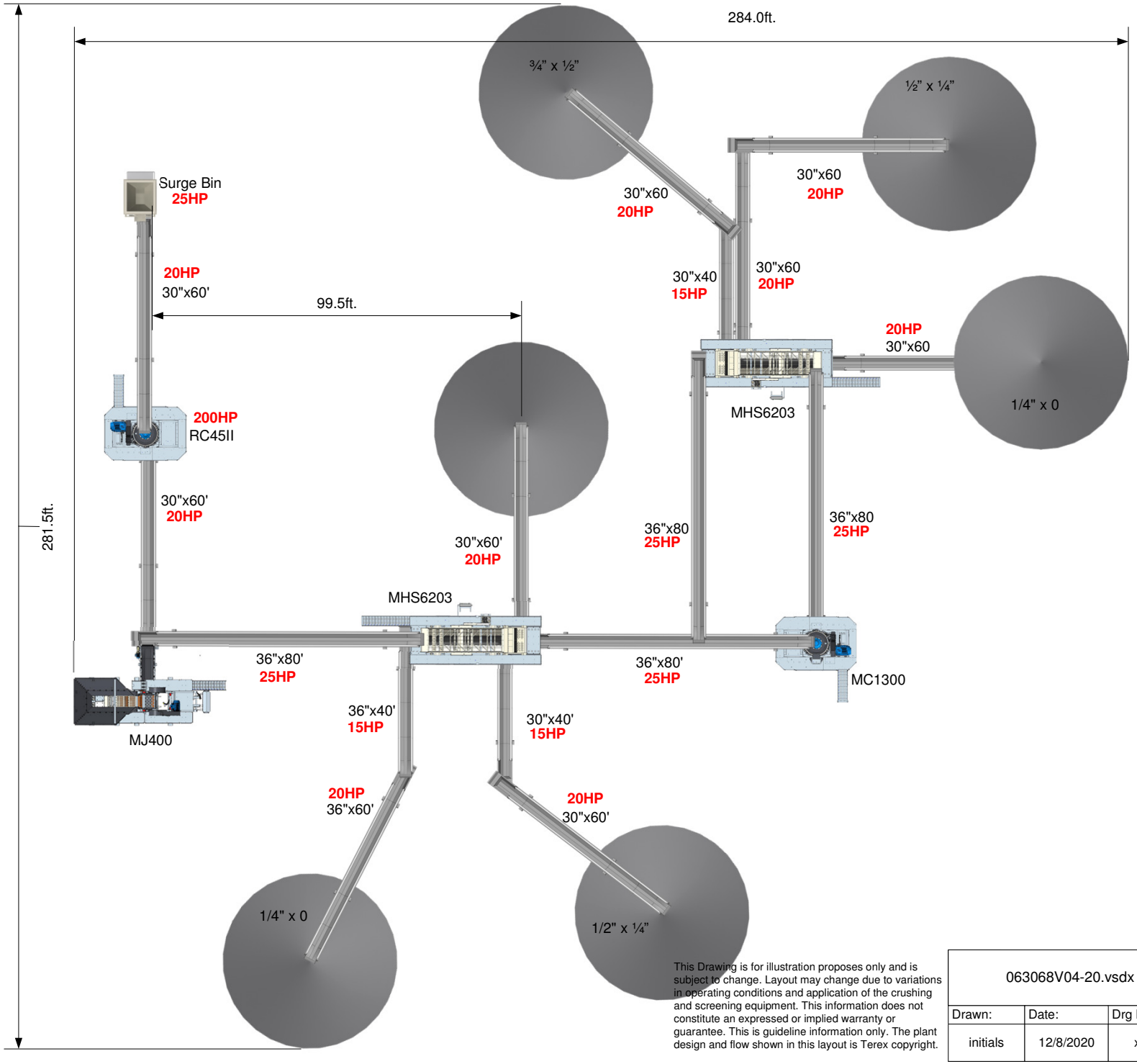
No startup, shutdown and maintenance (SSM) emissions are proposed or submitted for this facility. For material processing equipment at the Veguita South Crusher Plant, Castillo Prestress will follow normal industry practices in minimizing emissions during start-up, shutdown, and maintenance to not exceed the maximum hourly or annual emission rates submitted in Table 2-E. All control equipment and methods will be functioning correctly prior to aggregate processing.

Section 4

Process Flow Sheet

A **process flow sheet** and/or block diagram indicating the individual equipment, all emission points and types of control applied to those points. The unit numbering system should be consistent throughout this application.

See attached.

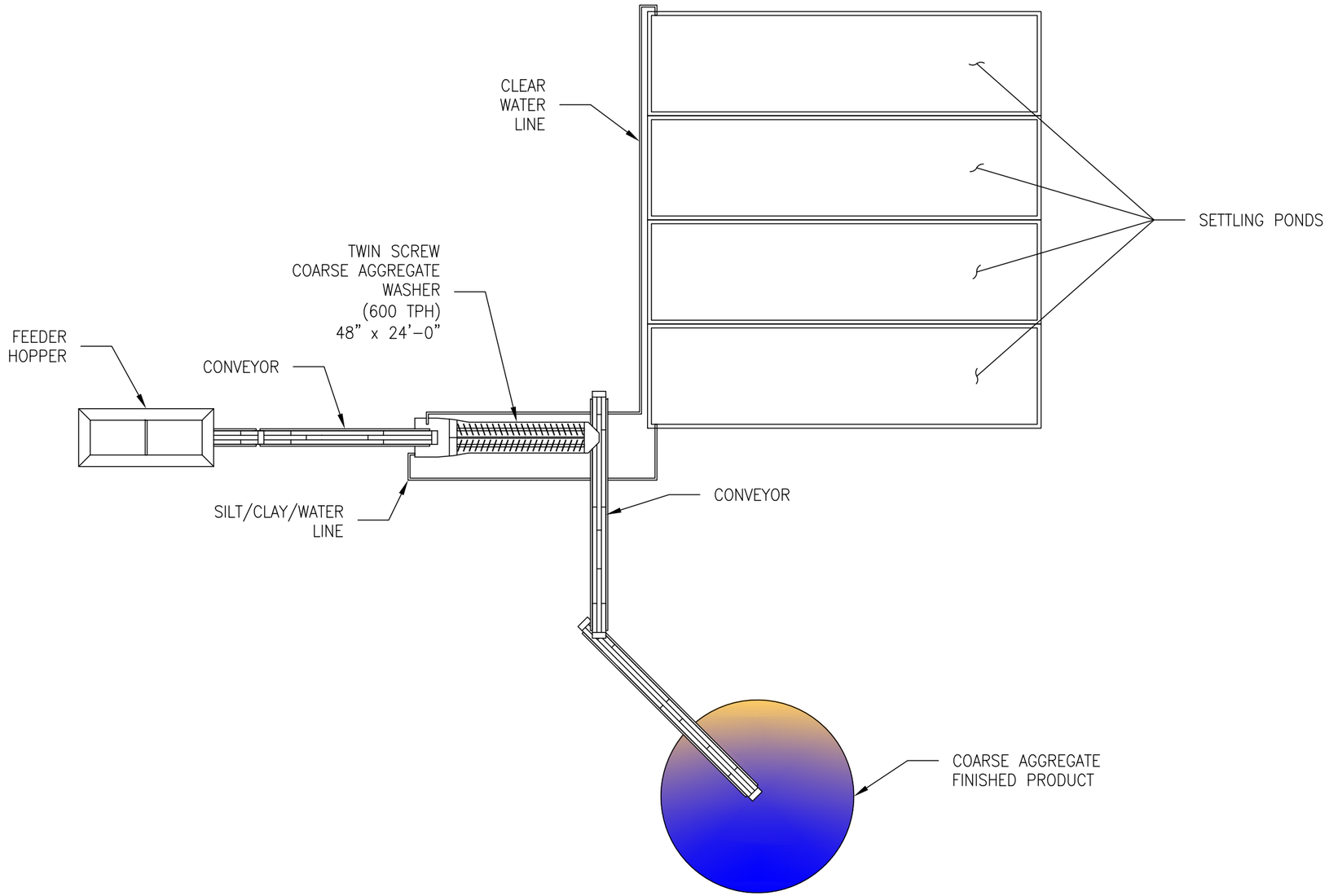


This Drawing is for illustration proposes only and is subject to change. Layout may change due to variations in operating conditions and application of the crushing and screening equipment. This information does not constitute an expressed or implied warranty or guarantee. This is guideline information only. The plant design and flow shown in this layout is Terex copyright.

Scale: 1" : 35' 0"

063068V04-20.vsdx		
Drawn:	Date:	Drg Nos:
initials	12/8/2020	xxxxx

TEREX | CEDARAPIDS
909 17th Street NE
Cedar Rapids, IA 52404
Phone: 319 363 3511
Toll Free: 800 821 5600
Fax: 319 399 4871
Email: info@cedarapids.com



- / 2.0 PLAN - CA WASHER
SCALE: 1/32" = 1'-0"

Castillo Prestress
A DIVISION OF CEMEX, INC.
116 Padilla Road
Las Vegas, New Mexico 87701
Phone: 505.454.0226 Fax: 505.454.0272

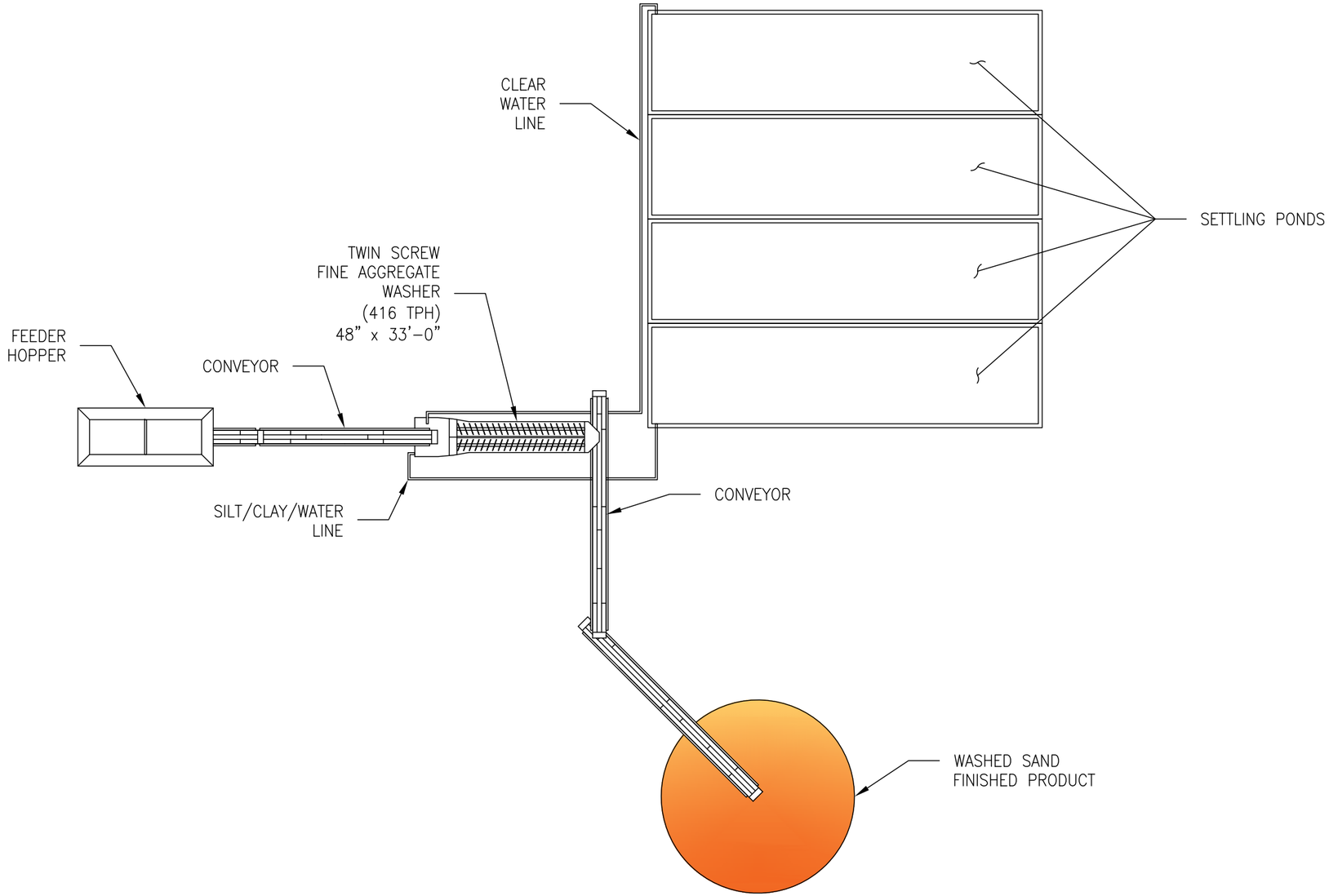
STRUCTURE: CASTILLO PRESTRESS
COARSE AGGREGATE WASHER
LOCATION: VEGUITA, NM

PLAN – CA WASHER
DRAWN BY: RMS
DATE: 3/31/21
CHECKED BY:

REVISIONS					
BY	DATE		BY	DATE	
-	-		-	-	
-	-		-	-	
-	-		-	-	

JOB NO.: –
2021

2.0



- / 1.0 PLAN - FA WASHER
SCALE: 1/32" = 1'-0"

Castillo Prestress
A DIVISION OF CEMEX, INC.
116 Public Road
Las Vegas, New Mexico 87701
Phone: 505.454.0226 Fax: 505.454.0272

STRUCTURE: CASTILLO PRESTRESS
FINE AGGREGATE WASHER
LOCATION: VEGUITA, NM

PLAN – FA WASHER
DRAWN BY: RMS
DATE: 3/31/21
CHECKED BY:

REVISIONS					
DATE	BY	DATE	BY	DATE	BY
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

JOB NO.: -
2021

1.0

Section 5

Plot Plan Drawn To Scale

A **plot plan drawn to scale** showing emissions points, roads, structures, tanks, and fences of property owned, leased, or under direct control of the applicant. This plot plan must clearly designate the restricted area as defined in UA1, Section 1-D.12. The unit numbering system should be consistent throughout this application.

See attached.

Castillo Prestress
A DIVISION OF CRMC INC.
116 Padilla Road
Belen, New Mexico 87002
Phone: 505-864-0238 Fax: 505-861-0323

STRUCTURE: MILAVEC/FATE PLAT
-
LOCATION: VALENCIA COUNTY

WEST FENCE – VEGUITA SOUTH

DRAWN BY: RMS
DATE: 2/25/19
CHECKED BY:

REVISIONS

DATE	BY	DATE	BY
4/6/21	RMS	-	-
-	-	-	-
-	-	-	-

JOB NO.: 2021
–

1.0

Section 6

All Calculations

Show all calculations used to determine both the hourly and annual controlled and uncontrolled emission rates. All calculations shall be performed keeping a minimum of three significant figures. Document the source of each emission factor used (if an emission rate is carried forward and not revised, then a statement to that effect is required). If identical units are being permitted and will be subject to the same operating conditions, submit calculations for only one unit and a note specifying what other units to which the calculations apply. All formulas and calculations used to calculate emissions must be submitted. The "Calculations" tab in the UA2 has been provided to allow calculations to be linked to the emissions tables. Add additional "Calc" tabs as needed. If the UA2 or other spread sheets are used, all calculation spread sheet(s) shall be submitted electronically in Microsoft Excel compatible format so that formulas and input values can be checked. Format all spread sheets and calculations such that the reviewer can follow the logic and verify the input values. Define all variables. If calculation spread sheets are not used, provide the original formulas with defined variables. Additionally, provide subsequent formulas showing the input values for each variable in the formula. All calculations, including those calculations are imbedded in the Calc tab of the UA2 portion of the application, the printed Calc tab(s), should be submitted under this section.

Tank Flashing Calculations: The information provided to the AQB shall include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., NOI, permit, or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis. If Hysis is used, all relevant input parameters shall be reported, including separator pressure, gas throughput, and all other relevant parameters necessary for flashing calculation.

SSM Calculations: It is the applicant's responsibility to provide an estimate of SSM emissions or to provide justification for not doing so. In this Section, provide emissions calculations for Startup, Shutdown, and Routine Maintenance (SSM) emissions listed in the Section 2 SSM and/or Section 22 GHG Tables and the rational for why the others are reported as zero (or left blank in the SSM/GHG Tables). Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on calculating SSM emissions. If SSM emissions are greater than those reported in the Section 2, Requested Allowables Table, modeling may be required to ensure compliance with the standards whether the application is NSR or Title V. Refer to the Modeling Section of this application for more guidance on modeling requirements.

Glycol Dehydrator Calculations: The information provided to the AQB shall include the manufacturer's maximum design recirculation rate for the glycol pump. If GRI-Glycalc is used, the full input summary report shall be included as well as a copy of the gas analysis that was used.

Road Calculations: Calculate fugitive particulate emissions and enter haul road fugitives in Tables 2-A, 2-D and 2-E for:

1. If you transport raw material, process material and/or product into or out of or within the facility and have PER emissions greater than 0.5 tpy.
2. If you transport raw material, process material and/or product into or out of the facility more frequently than one round trip per day.

Significant Figures:

A. All emissions standards are deemed to have at least two significant figures, but not more than three significant figures.

B. At least 5 significant figures shall be retained in all intermediate calculations.

C. In calculating emissions to determine compliance with an emission standard, the following rounding off procedures shall be used:

(1) If the first digit to be discarded is less than the number 5, the last digit retained shall not be changed;

(2) If the first digit discarded is greater than the number 5, or if it is the number 5 followed by at least one digit other than the number zero, the last figure retained shall be increased by one unit; **and**

(3) If the first digit discarded is exactly the number 5, followed only by zeros, the last digit retained shall be rounded upward if it is an odd number, but no adjustment shall be made if it is an even number.

(4) The final result of the calculation shall be expressed in the units of the standard.

Control Devices: In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device

regardless if the applicant takes credit for the reduction in emissions. The applicant can indicate in this section of the application if they chose to not take credit for the reduction in emission rates. For notices of intent submitted under 20.2.73 NMAC, only uncontrolled emission rates can be considered to determine applicability unless the state or federal Acts require the control. This information is necessary to determine if federally enforceable conditions are necessary for the control device, and/or if the control device produces its own regulated pollutants or increases emission rates of other pollutants.

All emission calculations are included in this section and provided on Form UA2 (excel spreadsheet).

Calculations are provided for the Veguita South Crusher Plant equipment, which will consist of:

- Two raw material drop points (front loaders): **300 tons per hour (TPH) – Units 1 and 2**
- One bulk loading of surge bin for roller crusher: **300 TPH – Unit 3**
- Loading of Jaw Crusher: **300 TPH – Unit 4**
- Loading of Cone Crusher: **300 TPH – Unit 5**
- One Roller Cone Crushers **300 TPH – Unit 6**
- One Jaw Crusher: **300 TPH – Unit 7**
- One Cone Crusher: **300 TPH – Unit 8**
- Two Screens: **300 TPH – Units 9 and 10**
- Six Conveyor Drops: **300 TPH – Units 11 through 16**
- Four Wash Plant Loading Points: **300 TPH – Units 17 through 20**
- 28 Conveyors: **300 TPH – Units 21 through 49**
- Product Pile Drop: **300 TPH – Unit 50**
- Truck Loading: **300 TPH – Units 51 and 52**
- Truck Haul Emissions: **60 Trucks per day – Unit 53**

To estimate material handling particulate ($PM_{10}/PM_{2.5}$) emission rates for crushing, screening, and conveyor transfer operations, emission factors were obtained from EPA's Compilations of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Sources (AP-42), Aug. 2004, Chapter 11.19.2 "Crushed Stone Processing", Table 11.19.2-2 and Chapter 13.2.4 "Aggregate Handling and Storage Piles", November 2006 for material drop points and storage piles. Haul road emissions were calculated using the AP-42, Section 13.2.2 (11/06) "Unpaved Roads" emission equation. The plant is powered by line power, no generator engines are proposed for this facility.

Detailed emission calculations are provided at the end of this Section.

Emissions Summary

Uncontrolled Emissions

Emission Unit #	Equipment Description	$PM_{2.5}$		PM_{10}	
		(lb/hr)	(tpy)	(lb/hr)	(tpy)
1	Raw Material Batch Drop by Front Loader	0.10	0.44	0.67	2.93
2	Raw Material Batch Drop by Front Loader	0.10	0.44	0.67	2.93
3	Bulk Loading of Surge Bin for Roller Crusher	0.10	0.44	0.67	2.93
4	Loading of Jaw Crusher	0.10	0.44	0.67	2.93
5	Loading of Cone Crusher	0.10	0.44	0.67	2.93
6	Roller Cone Crusher	0.72	3.15	0.72	3.15
7	Jaw Crusher	0.72	3.15	0.72	3.15
8	Cone Crusher	0.72	3.15	0.72	3.15
9	Screen 1	2.61	11.43	2.61	11.43
10	Screen 2	2.61	11.43	2.61	11.43
11	Conveyor Drop Pile Formation	0.10	0.44	0.67	2.93
12	Conveyor Drop Pile Formation	0.10	0.44	0.67	2.93
13	Conveyor Drop Pile Formation	0.10	0.44	0.67	2.93
14	Conveyor Drop Pile Formation	0.10	0.44	0.67	2.93
15	Conveyor Drop Pile Formation	0.10	0.44	0.67	2.93
16	Conveyor Drop Pile Formation	0.10	0.44	0.67	2.93
17	Wash Plant Loading	0.10	0.44	0.67	2.93
18	Wash Plant Loading	0.10	0.44	0.67	2.93
19	Wash Plant Loading	0.10	0.44	0.67	2.93
20	Wash Plant Loading	0.10	0.44	0.67	2.93
21-49	28 Conveyors	9.24	40.47	9.24	40.47
50	Product Pile Formation (Front Loader Drop)	0.10	0.44	0.67	2.93
51	Loadout (Front Loader loading Truck) from Product Pile	0.10	0.44	0.67	2.93
52	Loadout (Front Loader loading Truck) from Product Pile	0.10	0.44	0.67	2.93
53	Haul Roads	0.41	0.63	4.14	6.26
	Totals	**18.86**	**81.42**	**32.81**	**131.86**

Controlled Emissions

Emission Unit	Equipment Description	$PM_{2.5}$		PM_{10}	
		(lb/hr)	(tpy)	(lb/hr)	(tpy)
1	Raw Material Batch Drop by Front Loader	0.010	0.019	0.067	0.13
2	Raw Material Batch Drop by Front Loader	0.010	0.019	0.067	0.13
3	Bulk Loading of Surge Bin for Roller Crusher	0.010	0.019	0.067	0.13
4	Loading of Jaw Crusher	0.010	0.019	0.067	0.13
5	Loading of Cone Crusher	0.010	0.019	0.067	0.13
6	Roller Cone Crusher	0.030	0.056	0.162	0.30
7	Jaw Crusher	0.030	0.056	0.162	0.30
8	Cone Crusher	0.030	0.056	0.162	0.30
9	Screen 1	0.015	0.028	0.222	0.42
10	Screen 2	0.015	0.028	0.222	0.42
11	Conveyor Drop Pile Formation	0.010	0.019	0.067	0.13
12	Conveyor Drop Pile Formation	0.010	0.019	0.067	0.13
13	Conveyor Drop Pile Formation	0.010	0.019	0.067	0.13
14	Conveyor Drop Pile Formation	0.010	0.019	0.067	0.13
15	Conveyor Drop Pile Formation	0.010	0.019	0.067	0.13
16	Conveyor Drop Pile Formation	0.010	0.019	0.067	0.13
17	Wash Plant Loading	0.010	0.019	0.067	0.13
18	Wash Plant Loading	0.010	0.019	0.067	0.13
19	Wash Plant Loading	0.010	0.019	0.067	0.13
20	Wash Plant Loading	0.010	0.019	0.067	0.13
21-49	28 Conveyors	0.109	0.204	0.386	0.72
50	Product Pile Formation (Front Loader Drop)	0.010	0.019	0.067	0.13
51	Loadout (Front Loader loading Truck) from Product Pile	0.010	0.019	0.067	0.13
52	Loadout (Front Loader loading Truck) from Product Pile	0.010	0.019	0.067	0.13
53	Haul Roads	0.083	0.125	0.827	1.25
	Totals	**0.49**	**0.90**	**3.35**	**5.97**

Notes:

Controlled emissions based on controlled emission factors (AP-42, 19.11 and 13.2.4)
and limited operating hours (12 hours per day, 6 days per week, 52 weeks per year = 3744 hours/hr)

Process Equipment Information

Unit Number	Component Description (or unit's function)[1]	Manufacturer	Manufacture Date.	Model Number	Equipment Size, Capacity or Maximum Process Rate	Emission Factors for Regulated Air Pollutants From AP-42	Units	Emission Factors (lb/ton) UNCONTROLLED		Emission Factors (lb/ton) CONTROLLED	
								PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$
1	Raw Material Batch Drop by Front Loader	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
2	Raw Material Batch Drop by Front Loader	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
3	Bulk Loading of Surge Bin for Roller Crusher	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
4	Loading of Jaw Crusher	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
5	Loading of Cone Crusher	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
6	Roller Cone Crusher	TEREX	2020	RC45II	300 TPH	AP-42, Table 11.19.2-2	-	0.0024	0.0024	0.00054	0.0001
7	Jaw Crusher	TEREX	2020	MJ400R	300 TPH	AP-42, Table 11.19.2-2		0.0024	0.0024	0.00054	0.0001
8	Cone Crusher	TEREX	2020	MC1300	300 TPH	AP-42, Table 11.19.2-2	-	0.0024	0.0024	0.00054	0.0001
9	Screen 1	N/A	N/A	N/A	300 TPH	AP-42, Table 11.19.2-2	-	0.0087	0.0087	0.00074	0.00005
10	Screen 2	N/A	N/A	N/A	300 TPH	AP-42, Table 11.19.2-2	-	0.0087	0.0087	0.00074	0.00005
11	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
12	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
13	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
14	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
15	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
16	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
17	Washplant Loading	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
18	Washplant Loading	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
19	Washplant Loading	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
20	Washplant Loading	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
21-49	28 Conveyors	N/A	N/A	N/A	300 TPH	AP-42, Table 11.19.2-2	-	0.0308	0.0308	0.001288	0.00036
50	Product Pile Formation (Front Loader Drop)	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
51	Loadout (Front Loader loading Truck) from Product Pile	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
52	Loadout (Front Loader loading Truck) from Product Pile	N/A	N/A	N/A	300 TPH	AP-42, Chapter 13.2.4	-	0.0022	0.0003	0.000223	0.00003
53	Haul Roads	N/A	N/A	5	Trucks/hr (est.)	12	hours/day =	60	Truck trips per Day, 6 days per week		

Emissions (lb/hr)								UNCONTROLLED (lb/hr)		CONTROLLED (lb/hr)	
Unit No	Equipment	Manufacture	Year	Model	Process Rate/Capacity	Emission Factor Source		PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$
1	Raw Material Batch Drop by Front Loader	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
2	Raw Material Batch Drop by Front Loader	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
3	Bulk Loading of Surge Bin for Roller Crusher	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
4	Loading of Jaw Crusher	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
5	Loading of Cone Crusher	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
6	Roller Cone Crusher	TEREX	2020	RC45II	300	AP-42	-	0.72	0.72	0.16	0.03
7	Jaw Crusher	TEREX	2020	MJ400R	300	AP-42	-	0.72	0.72	0.16	0.03
8	Cone Crusher	TEREX	2020	MC1300	300	AP42	-	0.72	0.72	0.16	0.03
9	Screen 1	N/A	N/A	N/A	300	AP42	-	2.61	2.61	0.22	0.02
10	Screen 2	N/A	N/A	N/A	300	AP-42	-	2.61	2.61	0.22	0.02
11	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP42	-	0.67	0.10	0.07	0.01
12	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
13	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP42	-	0.67	0.10	0.07	0.01
14	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP42	-	0.67	0.10	0.07	0.01
15	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP42	-	0.67	0.10	0.07	0.01
16	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
17	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
18	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
19	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
20	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
21-49	28 Conveyors	N/A	N/A	N/A	300	AP-42	-	9.24	9.24	0.39	0.11
50	Product Pile Formation (Front Loader Drop)	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
51	Loadout (Front Loader loading Truck) from Product Pile	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
52	Loadout (Front Loader loading Truck) from Product Pile	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
53	Haul Roads	Using 80% Dust Control (Base Course and Water)				AP-42	-	4.14	0.41	0.83	0.08
						TOTAL EMISSIONS		32.81	18.86	**3.35**	**0.49**

Emissions (tpy)								UNCONTROLLED (tpy)		CONTROLLED (tpy, based on reduced operating hours)	
Unit No	Equipment	Manufacture	Year	Model	Process Rate/Capacity	Emission Factor Source		PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$
1	Raw Material Batch Drop by Front Loader	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
2	Raw Material Batch Drop by Front Loader	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
3	Bulk Loading of Surge Bin for Roller Crusher	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
4	Loading of Jaw Crusher	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
5	Loading of Cone Crusher	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
6	Roller Cone Crusher	TEREX	2020	RC45II	300	AP-42	-	3.15	3.15	0.30	0.06
7	Jaw Crusher	TEREX	2020	MJ400R	300	AP-42	-	3.15	3.15	0.30	0.06
8	Cone Crusher	TEREX	2020	MC1300	300	AP-42	-	3.15	3.15	0.30	0.06
9	Screen 1	N/A	N/A	N/A	300	AP-42	-	11.43	11.43	0.42	0.03
10	Screen 2	N/A	N/A	N/A	300	AP-42	-	11.43	11.43	0.42	0.03
11	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
12	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
13	Conveyor Drop Pile Formation	N/A			80%	AP-42	-	2.93	0.44	0.13	0.02
14	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-43	-	2.93	0.44	0.13	0.02
15	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
16	Conveyor Drop Pile Formation	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
17	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
18	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
19	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
20	Washplant Loading	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
21-49	28 Conveyors	N/A	N/A	N/A	300	AP-42	-	40.47	40.47	0.72	0.20
50	Product Pile Formation (Front Loader Drop)	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
51	Loadout (Front Loader loading Truck) from Product Pile	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
52	Loadout (Front Loader loading Truck) from Product Pile	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
53	Haul Roads	Using 80% Dust Control (Base Course and Water)				AP-42	-	6.26	0.63	1.25	0.13
						TOTAL EMISSIONS		131.9	81.4	**5.97**	**0.90**

Haul Road Inputs

Site-Wide

Description	Value	Unit
Material Throughput	1,123,200	tpy
Annual Operating Hours:	3,744	hr/yr
Daily Operating Hours:	12	hr/day, 6 days per week

Unpaved Haul Road

Parameter	Value	Unit
Empty Vehicle Weight[1]	17.0	ton
Load Size [2]	20.0	ton
Loaded Vehicle Weight[3]	37.0	ton
Mean Vehicle Weight[4]	27.0	ton
Vehicles Per Day [5]	60	VPD
Vehicles Per Year	21,900	VPY
Segment Length	0.20	mile
Trips per Segment	2	-
Effective Segment Length[6]	0.4	mile
Trips per Hour[7]	10	-
Wet Days[8]	70	day
Surface Silt Content[9]	4.8	%
Control Efficiency	80	%

[1] Empty vehicle weight includes driver and occupants and full fuel load.

[2] Include cargo, transported materials, etc.

[3] Loaded vehicle weight = Empty + Load Size

[4] Mean Vehicle weight = (Loaded Weight + Empty Weight) / 2

[5] Vehicles per day

[6] Effective segment length = trips per segment * segment length

[7] Trips per hour = Vehicles per day * Segments per trip ÷ Hours of Operation per Day

[8] Wet days is the NM default allowed by NMED without additional justification

[9] Surface silt content based on AP-42 Section 13.2.2.3

Unpaved Road Emission Factors

	Calculation Parameters [1]													Annual Emission Factors	
	s	W	P	k					b					E_{ext} [4]	
Route	Silt Content [1]	Mean Vehicle Weight	Wet Days	PM_{30}	PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$	PM_{30}	PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$
	%	tons	day	lb/VMT	lb/VMT	lb/VMT						lb/VMT	lb/VMT	lb/VMT	lb/VMT
Trucks	4.8	27.0	70	4.9	1.5	0.15	0.90	0.90	0.45	0.45	0.45	1.8	0.18	1.4	0.14

[1] Emission factors calculated per AP-42 Sec. 13.2.2.3 November, 2006, Equation 2.

Unpaved Road Emissions

	Calculation Inputs						Uncontrolled Emissions				Controlled Emissions [5]			
Route	Annual Operation	Segment Length	Trips per Segment	Number of Trucks per Year	Effective Segment Length	Average VMT/yr [3]	PM_{10}		$PM_{2.5}$		PM_{10}		$PM_{2.5}$	
	hr	mi		trucks/yr	mi	mi/yr	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
Trucks	3,744	0.20	2	21,900	0.40	8760	4.14	6.26	0.41	0.63	0.83	1.25	0.08	0.13
						Totals	***4.14***	***6.26***	***0.41***	***0.63***	***0.83***	***1.25***	***0.08***	***0.13***

[1] Surface silt = % of 75 micron diameter and smaller particles

[2] E = k x (s/12)^a x (W/3)^b (AP-42 page 13.2.2-4 Equation 1a, November 2006)

E= Size Specific Emission Factor (lb/VMT)

s = surface material silt content (%)

k, a, b = constants from AP-42 Table 13.2.2-2

W = Weighted Mean Vehicle Weight from Haul Road Inputs (tons)

[3] VMT/yr = Vehicle Miles Travelled per year = Trips per year * Segment Length

[4] Wet Day Emission Factor = E * (365 - Wet Days)/365. Wet days value is the NM default allowed by NMED without additional justification.

[5] Controlled Emissions = Uncontrolled Emissions * (1 - Control Factor/100%)

Control Efficiency = 80% default for base course and watering

Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

Title V (20.2.70 NMAC), Minor NSR (20.2.72 NMAC), and PSD (20.2.74 NMAC) applicants must estimate and report greenhouse gas (GHG) emissions to verify the emission rates reported in the public notice, determine applicability to 40 CFR 60 Subparts, and to evaluate Prevention of Significant Deterioration (PSD) applicability. GHG emissions that are subject to air permit regulations consist of the sum of an aggregate group of these six greenhouse gases: carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

This section is not applicable. There are no combustion sources or any other sources of greenhouse gases associated with this facility.

Section 7

Information Used To Determine Emissions

Information Used to Determine Emissions shall include the following:

- ☐ If manufacturer data are used, include specifications for emissions units and control equipment, including control efficiencies specifications and sufficient engineering data for verification of control equipment operation, including design drawings, test reports, and design parameters that affect normal operation.
- ☐ If test data are used, include a copy of the complete test report. If the test data are for an emissions unit other than the one being permitted, the emission units must be identical. Test data may not be used if any difference in operating conditions of the unit being permitted and the unit represented in the test report significantly effect emission rates.
- ☒ If the most current copy of AP-42 is used, reference the section and date located at the bottom of the page. Include a copy of the page containing the emissions factors, and clearly mark the factors used in the calculations.
- ☐ If an older version of AP-42 is used, include a complete copy of the section.
- ☐ If an EPA document or other material is referenced, include a complete copy.
- ☐ Fuel specifications sheet.
- ☐ If computer models are used to estimate emissions, include an input summary (if available) and a detailed report, and a disk containing the input file(s) used to run the model. For tank-flashing emissions, include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., permit or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis.

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1) AP-42 Sections Used

11.19.2 Crushed Stone Processing and Pulverized Mineral Processing

11.19.2.1 Process Description [24, 25]

Crushed Stone Processing

Major rock types processed by the crushed stone industry include limestone, granite, dolomite, traprock, sandstone, quartz, and quartzite. Minor types include calcareous marl, marble, shell, and slate. Major mineral types processed by the pulverized minerals industry, a subset of the crushed stone processing industry, include calcium carbonate, talc, and barite. Industry classifications vary considerably and, in many cases, do not reflect actual geological definitions.

Rock and crushed stone products generally are loosened by drilling and blasting and then are loaded by power shovel or front-end loader into large haul trucks that transport the material to the processing operations. Techniques used for extraction vary with the nature and location of the deposit. Processing operations may include crushing, screening, size classification, material handling and storage operations. All of these processes can be significant sources of PM and PM-10 emissions if uncontrolled.

Quarried stone normally is delivered to the processing plant by truck and is dumped into a bin. A feeder is used as illustrated in Figure 11.19.2-1. The feeder or screens separate large boulders from finer rocks that do not require primary crushing, thus reducing the load to the primary crusher. Jaw, impactor, or gyratory crushers are usually used for initial reduction. The crusher product, normally 7.5 to 30 centimeters (3 to 12 inches) in diameter, and the grizzly throughs (undersize material) are discharged onto a belt conveyor and usually are conveyed to a surge pile for temporary storage or are sold as coarse aggregates.

The stone from the surge pile is conveyed to a vibrating inclined screen called the scalping screen. This unit separates oversized rock from the smaller stone. The undersized material from the scalping screen is considered to be a product stream and is transported to a storage pile and sold as base material. The stone that is too large to pass through the top deck of the scalping screen is processed in the secondary crusher. Cone crushers are commonly used for secondary crushing (although impact crushers are sometimes used), which typically reduces material to about 2.5 to 10 centimeters (1 to 4 inches). The material (throughs) from the second level of the screen bypasses the secondary crusher because it is sufficiently small for the last crushing step. The output from the secondary crusher and the throughs from the secondary screen are transported by conveyor to the tertiary circuit, which includes a sizing screen and a tertiary crusher.

Tertiary crushing is usually performed using cone crushers or other types of impactor crushers. Oversize material from the top deck of the sizing screen is fed to the tertiary crusher. The tertiary crusher output, which is typically about 0.50 to 2.5 centimeters (3/16th to 1 inch), is returned to the sizing screen. Various product streams with different size gradations are separated in the screening operation. The products are conveyed or trucked directly to finished product bins, to open area stock piles, or to other processing systems such as washing, air separators, and screens and classifiers (for the production of manufactured sand).

Some stone crushing plants produce manufactured sand. This is a small-sized rock product with a maximum size of 0.50 centimeters (3/16 th inch). Crushed stone from the tertiary sizing screen is sized in a vibrating inclined screen (fines screen) with relatively small mesh sizes.

Oversized material is processed in a cone crusher or a hammermill (fines crusher) adjusted to produce small diameter material. The output is returned to the fines screen for resizing.

In certain cases, stone washing is required to meet particulate end product specifications or demands.

Pulverized Mineral Processing

Pulverized minerals are produced at specialized processing plants. These plants supply mineral products ranging from sizes of approximately 1 micrometer to more than 75 micrometers aerodynamic diameter. Pharmaceutical, paint, plastics, pigment, rubber, and chemical industries use these products. Due to the specialized characteristics of the mineral products and the markets for these products, pulverized mineral processing plants have production rates that are less than 5% of the production capacities of conventional crushed stone plants. Two alternative processing systems for pulverized minerals are summarized in Figure 11-19.2-2.

In dry processing systems, the mineral aggregate material from conventional crushing and screening operations is subject to coarse and fine grinding primarily in roller mills and/or ball mills to reduce the material to the necessary product size range. A classifier is used to size the ground material and return oversized material that can be pulverized using either wet or dry processes. The classifier can either be associated with the grinding operation, or it can be a stand-alone process unit. Fabric filters control particulate matter emissions from the grinding operation and the classifier. The products are stored in silos and are shipped by truck or in bags.

In wet processing systems, the mineral aggregate material is processed in wet mode coarse and fine grinding operations. Beneficiation processes use flotation to separate mineral impurities. Finely ground material is concentrated and flash dried. Fabric filters are used to control particulate matter emissions from the flash dryer. The product is then stored in silos, bagged, and shipped.

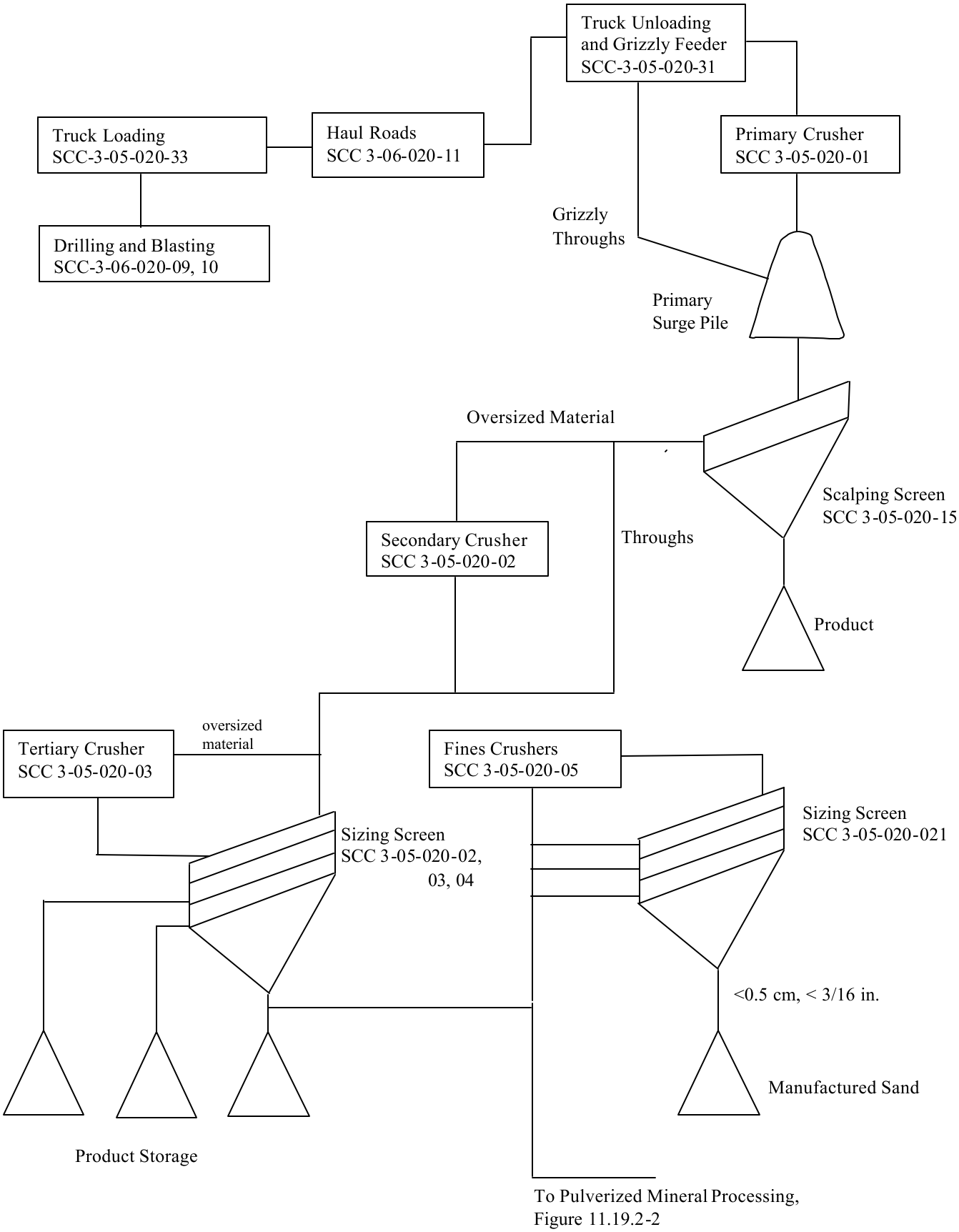

Figure 11.19.2-1. Typical stone processing plant

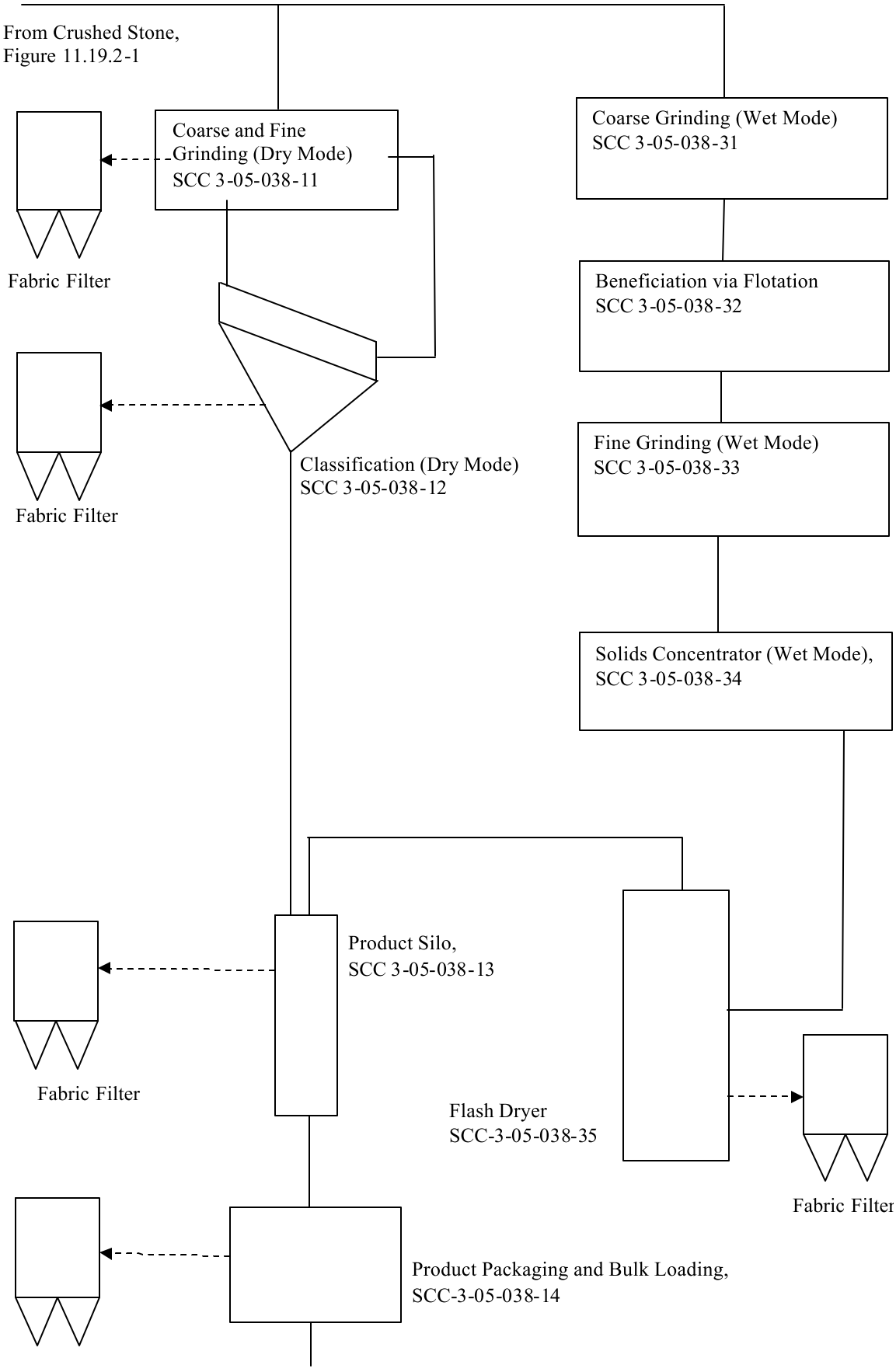

Figure 11.19.2-2 Flowchart for Pulverized Mineral Processing

11.19.2.2 Emissions and Controls [10, 11, 12, 13, 14, and 26]

Crushed Stone Processing

Emissions of PM, PM-10, and PM-2.5 occur from a number of operations in stone quarrying and processing. A substantial portion of these emissions consists of heavy particles that may settle out within the plant. As in other operations, crushed stone emission sources may be categorized as either process sources or fugitive dust sources. Process sources include those for which emissions are amenable to capture and subsequent control. Fugitive dust sources generally involve the reentrainment of settled dust by wind or machine movement. Emissions from process sources should be considered fugitive unless the sources are vented to a baghouse or are contained in an enclosure with a forced-air vent or stack. Factors affecting emissions from either source category include the stone size distribution and the surface moisture content of the stone processed, the process throughput rate, the type of equipment and operating practices used, and topographical and climatic factors.

Of graphical and seasonal factors, the primary variables affecting uncontrolled PM emissions are wind and material moisture content. Wind parameters vary with geographical location, season, and weather. It can be expected that the level of emissions from unenclosed sources (principally fugitive dust sources) will be greater during periods of high winds. The material moisture content also varies with geographical location, season, and weather. Therefore, the levels of uncontrolled emissions from both process emission sources and fugitive dust sources generally will be greater in arid regions of the country than in temperate ones and greater during the summer months because of a higher evaporation rate.

The moisture content of the material processed can have a substantial effect on emissions. This effect is evident throughout the processing operations. Surface wetness causes fine particles to agglomerate on or to adhere to the faces of larger stones, with a resulting dust suppression effect. However, as new fine particles are created by crushing and attrition and as the moisture content is reduced by evaporation, this suppressive effect diminishes and may disappear. Plants that use wet suppression systems (spray nozzles) to maintain relatively high material moisture contents can effectively control PM emissions throughout the process. Depending on the geographical and climatic conditions, the moisture content of mined rock can range from nearly zero to several percent. Because moisture content is usually expressed on a basis of overall weight percent, the actual moisture amount per unit area will vary with the size of the rock being handled. On a constant mass-fraction basis, the per-unit area moisture content varies inversely with the diameter of the rock. The suppressive effect of the moisture depends on both the absolute mass water content and the size of the rock product. Typically, wet material contains >1.5 percent water.

A variety of material, equipment, and operating factors can influence emissions from crushing. These factors include (1) stone type, (2) feed size and distribution, (3) moisture content, (4) throughput rate, (5) crusher type, (6) size reduction ratio, and (7) fines content. Insufficient data are available to present a matrix of rock crushing emission factors detailing the above classifications and variables. Available data indicate that PM-10 and PM-2.5 emissions from limestone and granite processing operations are similar. Therefore, the emission factors developed from the emissions data gathered at limestone and granite processing facilities are considered to be representative of typical crushed stone processing operations. Emission factors for filterable PM, PM-10, and PM-2.5 emissions from crushed stone processing operations are presented in Tables 11.19.2-1 (Metric units) and 11.19.2-2 (English units.)

Table 11.19.2-1 (Metric Units). EMISSION FACTORS FOR CRUSHED STONE PROCESSING OPERATIONS (kg/Mg)[a]

Source [b]	Total Particulate Matter [r,s]	EMISSION FACTOR RATING	Total PM-10	EMISSION FACTOR RATING	Total PM-2.5	EMISSION FACTOR RATING
Primary Crushing (SCC 3-05-020-01)	ND		ND[n]		ND[n]	
Primary Crushing (controlled) (SCC 3-05-020-01)	ND		ND[n]		ND[n]	
Secondary Crushing (SCC 3-05-020-02)	ND		ND[n]		ND[n]	
Secondary Crushing (controlled) (SCC 3-05-020-02)	ND		ND[n]		ND[n]	
Tertiary Crushing (SCC 3-050030-03)	0.0027[d]	E	0.0012[o]	C	ND[n]	
Tertiary Crushing (controlled) (SCC 3-05-020-03)	0.0006[d]	E	0.00027[p]	C	0.00005[q]	E
Fines Crushing (SCC 3-05-020-05)	0.0195[e]	E	0.0075[e]	E	ND	
Fines Crushing (controlled) (SCC 3-05-020-05)	0.0015[f]	E	0.0006[f]	E	0.000035[q]	E
Screening (SCC 3-05-020-02, 03)	0.0125[c]	E	0.0043[l]	C	ND	
Screening (controlled) (SCC 3-05-020-02, 03)	0.0011[d]	E	0.00037[m]	C	0.000025[q]	E
Fines Screening (SCC 3-05-020-21	0.15[g]	E	0.036[g]	E	ND	
Fines Screening (controlled) (SCC 3-05-020-21)	0.0018[g]	E	0.0011[g]	E	ND	
Conveyor Transfer Point (SCC 3-05-020-06)	0.0015[h]	E	0.00055[h]	D	ND	
Conveyor Transfer Point (controlled) (SCC 3-05-020-06)	0.00007[i]	E	2.3×10^{-5}[i]	D	6.5×10^{-6}[q]	E
Wet Drilling - Unfragmented Stone (SCC 3-05-020-10)	ND		4.0×10^{-5}[j]	E	ND	
Truck Unloading - Fragmented Stone (SCC 3-05-020-31)	ND		8.0×10^{-6}[j]	E	ND	
Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32)	ND		5.0×10^{-5}[k]	E	ND	

a. Emission factors represent uncontrolled emissions unless noted. Emission factors in kg/Mg of material throughput. SCC = Source Classification Code. ND = No data.

b. Controlled sources (with wet suppression) are those that are part of the processing plant that employs current wet suppression technology similar to the study group. The moisture content of the study group without wet suppression systems operating (uncontrolled) ranged from 0.21 to 1.3 percent, and the same facilities operating wet suppression systems (controlled) ranged from 0.55 to 2.88 percent. Due to carry over of the small amount of moisture required, it has been shown that each source, with the exception of crushers, does not need to employ direct water sprays. Although the moisture content was the only variable measured, other process features may have as much influence on emissions from a given source. Visual observations from each source under normal operating conditions are probably the best indicator of which emission factor is most appropriate. Plants that employ substandard control measures as indicated by visual observations should use the uncontrolled factor with appropriate control efficiency that best reflects the effectiveness of the controls employed.

c. References 1, 3, 7, and 8

d. References 3, 7, and 8

e. Reference 4

f. References 4 and 15

g. Reference 4

h. References 5 and 6

i. References 5, 6, and 15

j. Reference 11

k. Reference 12

l. References 1, 3, 7, and 8

m. References 1, 3, 7, 8, and 15

n. No data available, but emission factors for PM-10 for tertiary crushers can be used as an upper limit for primary or secondary crushing

o. References 2, 3, 7, 8

p. References 2, 3, 7, 8, and 15

q. Reference 15

r. PM emission factors are presented based on PM-100 data in the Background Support Document for Section 11.19.2

s. Emission factors for PM-30 and PM-50 are available in Figures 11.19.2-3 through 11.19.2-6.

Note: Truck Unloading - Conveyor, crushed stone (SCC 3-05-020-32) was corrected to Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32). October 1, 2010.

Table 11.19.2-2 (English Units). EMISSION FACTORS FOR CRUSHED STONE PROCESSING OPERATIONS (lb/Ton)[a]

Source [b]	Total Particulate Matter [r,s]	EMISSION FACTOR RATING	Total PM-10	EMISSION FACTOR RATING	Total PM-2.5	EMISSION FACTOR RATING
Primary Crushing (SCC 3-05-020-01)	ND		ND[n]		ND[n]	
Primary Crushing (controlled) (SCC 3-05-020-01)	ND		ND[n]		ND[n]	
Secondary Crushing (SCC 3-05-020-02)	ND		ND[n]		ND[n]	
Secondary Crushing (controlled) (SCC 3-05-020-02)	ND		ND[n]		ND[n]	
Tertiary Crushing (SCC 3-050030-03)	0.0054[d]	E	0.0024[o]	C	ND[n]	
Tertiary Crushing (controlled) (SCC 3-05-020-03)	0.0012[d]	E	0.00054[p]	C	0.00010[q]	E
Fines Crushing (SCC 3-05-020-05)	0.0390[e]	E	0.0150[e]	E	ND	
Fines Crushing (controlled) (SCC 3-05-020-05)	0.0030[f]	E	0.0012[f]	E	0.000070[q]	E
Screening (SCC 3-05-020-02, 03)	0.025[c]	E	0.0087[l]	C	ND	
Screening (controlled) (SCC 3-05-020-02, 03)	0.0022[d]	E	0.00074[m]	C	0.000050[q]	E
Fines Screening (SCC 3-05-020-21)	0.30[g]	E	0.072[g]	E	ND	
Fines Screening (controlled) (SCC 3-05-020-21)	0.0036[g]	E	0.0022[g]	E	ND	
Conveyor Transfer Point (SCC 3-05-020-06)	0.0030[h]	E	0.00110[h]	D	ND	
Conveyor Transfer Point (controlled) (SCC 3-05-020-06)	0.00014[i]	E	4.6×10^{-5}[i]	D	1.3×10^{-5}[q]	E
Wet Drilling - Unfragmented Stone (SCC 3-05-020-10)	ND		8.0×10^{-5}[j]	E	ND	
Truck Unloading -Fragmented Stone (SCC 3-05-020-31)	ND		1.6×10^{-5}[j]	E	ND	
Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32)	ND		0.00010[k]	E	ND	

a. Emission factors represent uncontrolled emissions unless noted. Emission factors in lb/Ton of material of throughput. SCC = Source Classification Code. ND = No data.

b. Controlled sources (with wet suppression) are those that are part of the processing plant that employs current wet suppression technology similar to the study group. The moisture content of the study group without wet suppression systems operating (uncontrolled) ranged from 0.21 to 1.3 percent, and the same facilities operating wet suppression systems (controlled) ranged from 0.55 to 2.88 percent. Due to carry over of the small amount of moisture required, it has been shown that each source, with the exception of crushers, does not need to employ direct water sprays. Although the moisture content was the only variable measured, other process features may have as much influence on emissions from a given source. Visual observations from each source under normal operating conditions are probably the best indicator of which emission factor is most appropriate. Plants that employ substandard control measures as indicated by visual observations should use the uncontrolled factor with an appropriate control efficiency that best reflects the effectiveness of the controls employed.

c. References 1, 3, 7, and 8

d. References 3, 7, and 8

e. Reference 4

f. References 4 and 15

g. Reference 4

h. References 5 and 6

i. References 5, 6, and 15

j. Reference 11

k. Reference 12

l. References 1, 3, 7, and 8

m. References 1, 3, 7, 8, and 15

n. No data available, but emission factors for PM-10 for tertiary crushers can be used as an upper limit for primary or secondary crushing

o. References 2, 3, 7, 8

p. References 2, 3, 7, 8, and 15

q. Reference 15

r. PM emission factors are presented based on PM-100 data in the Background Support Document for Section 11.19.2

s. Emission factors for PM-30 and PM-50 are available in Figures 11.19.2-3 through 11.19.2-6.

Note: Truck Unloading - Conveyor, crushed stone (SCC 3-05-020-32) was corrected to Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32). October 1, 2010.

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Emission factor estimates for stone quarry blasting operations are not presented because of the sparsity and unreliability of available tests. While a procedure for estimating blasting emissions is presented in Section 11.9, Western Surface Coal Mining, that procedure should not be applied to stone quarries because of dissimilarities in blasting techniques, material blasted, and size of blast areas. Emission factors for fugitive dust sources, including paved and unpaved roads, materials handling and transfer, and wind erosion of storage piles, can be determined using the predictive emission factor equations presented in AP-42 Section 13.2.

The data used in the preparation of the controlled PM calculations was derived from the individual A-rated tests for PM-2.5 and PM-10 summarized in the Background Support Document. For conveyor transfer points, the controlled PM value was derived from A-rated PM-2.5, PM-10, and PM data summarized in the Background Support Document.

The extrapolation line was drawn through the PM-2.5 value and the mean of the PM-10 values. PM emission factors were calculated for PM-30, PM-50, and PM-100. Each of these particle size limits is used by one or more regulatory agencies as the definition of total particulate matter. The graphical extrapolations used in calculating the emission factors are presented in Figures 11.19.2-3, -4, -5, and -6.

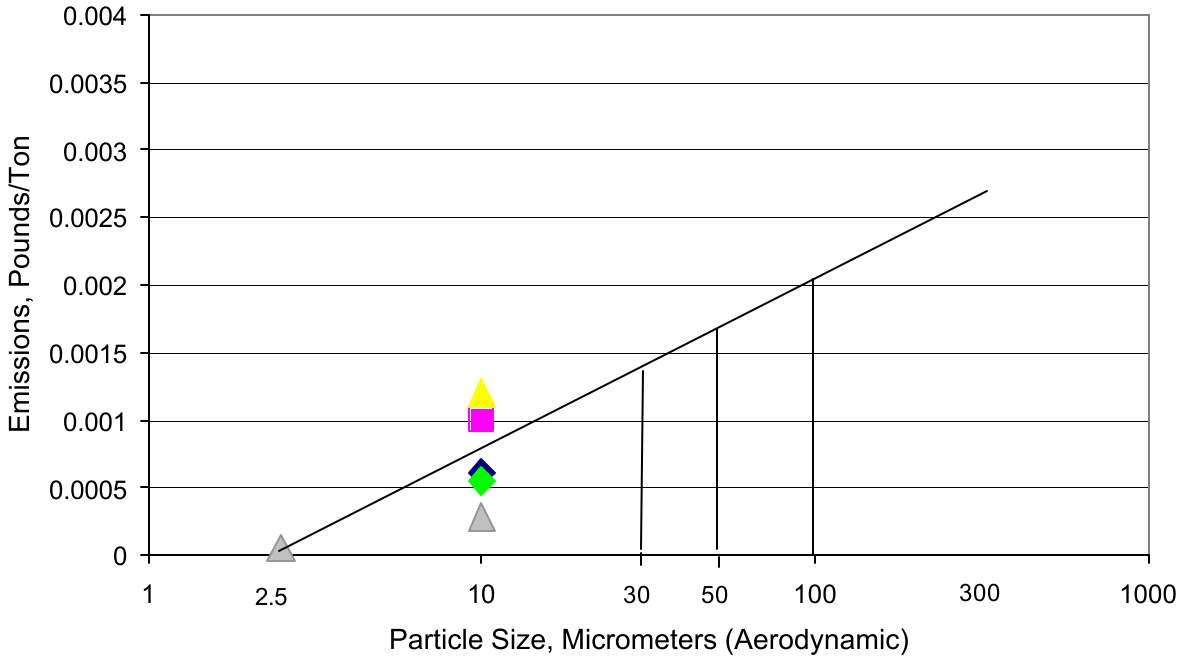

Figure 11-19-3. PM Emission Factor Calculation, Screening (Controlled)

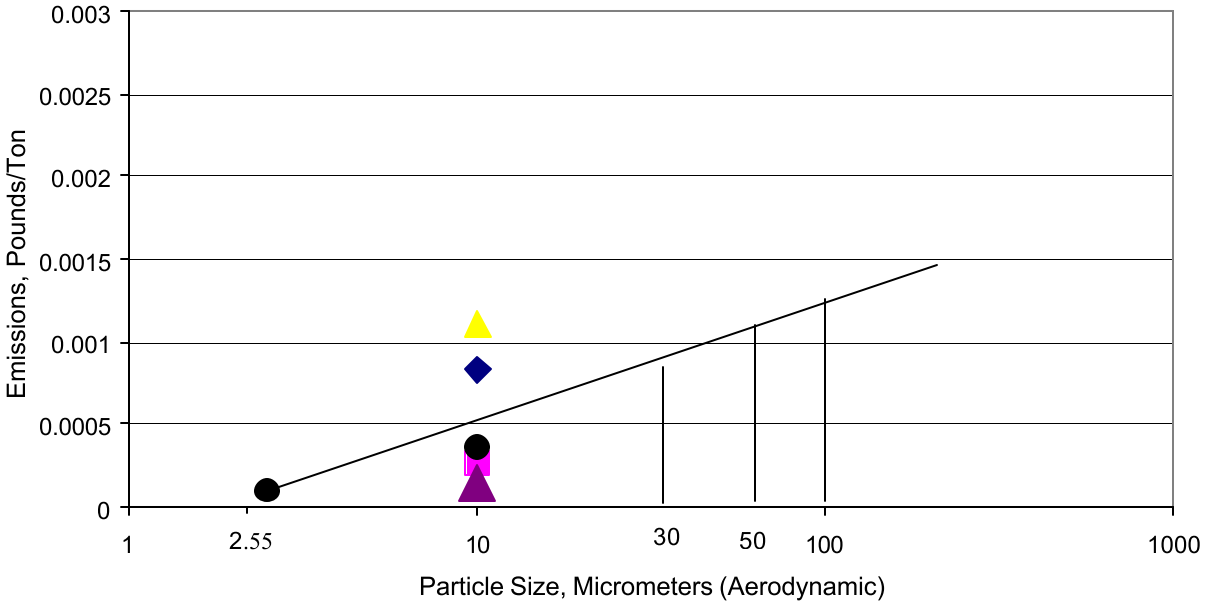

Figure 11.19-4. PM Emission Factor Calculation, Tertiary Crushing (Controlled)

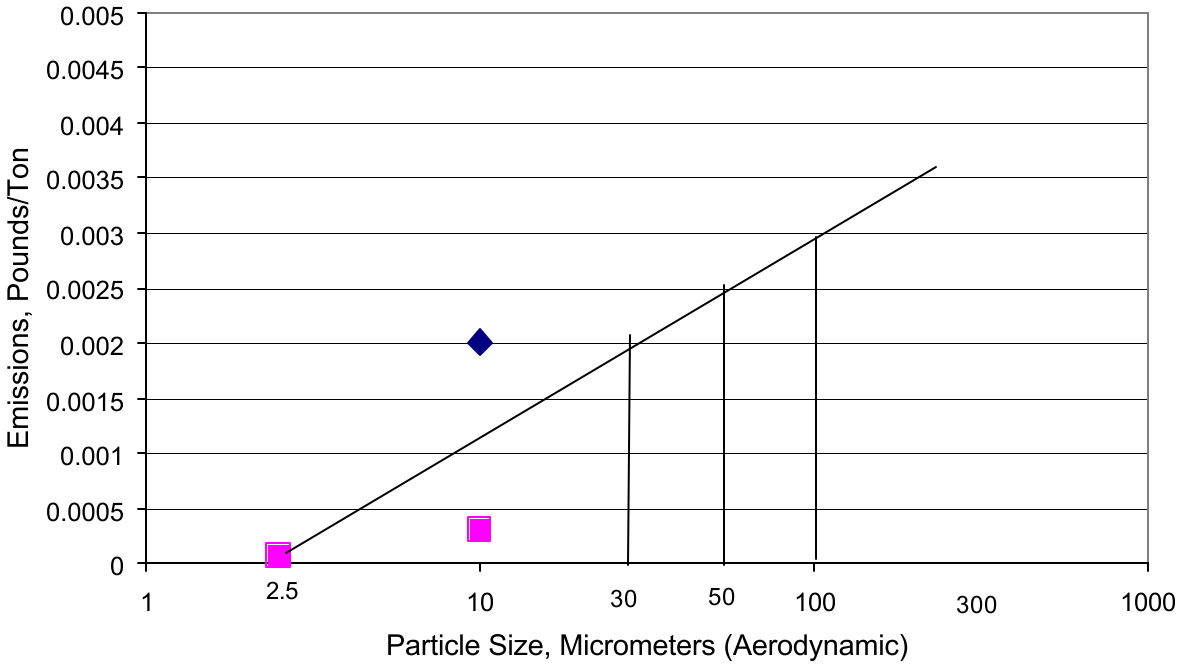

Figure 11-19.5. PM Emission Factor Calculation, Fines Crushing (Controlled)

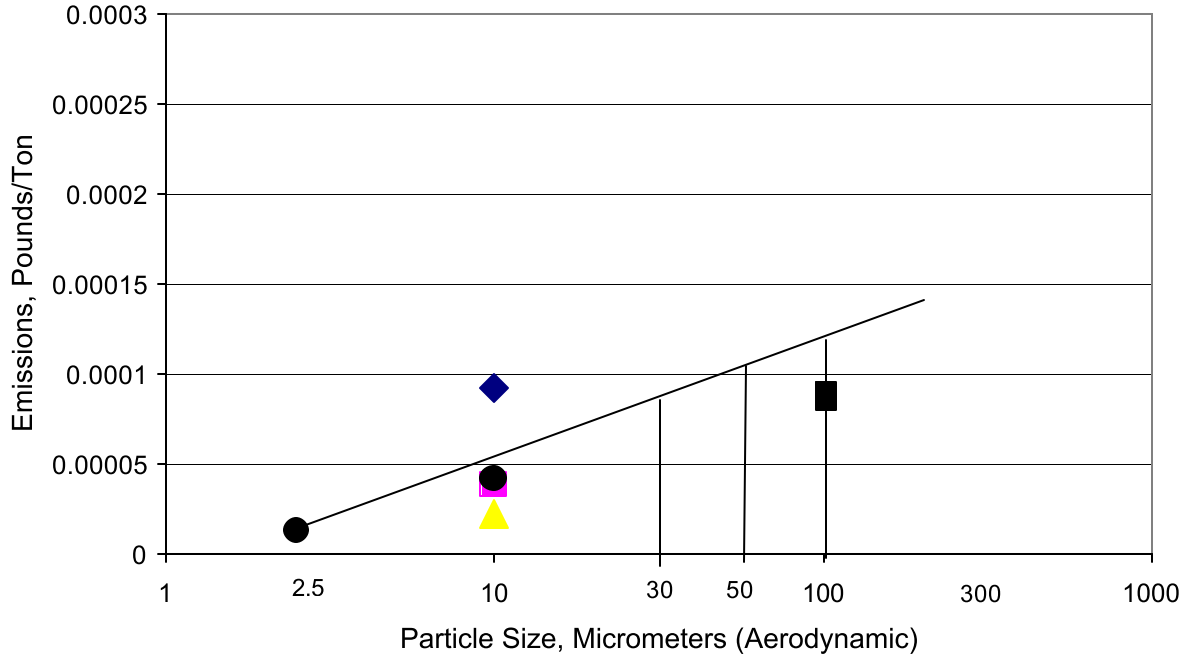

Figure 11.19-6. PM Emission Factor Calculation, Conveyor Transfer Points (Controlled)

The uncontrolled PM emission factors have been calculated from the controlled PM emission factors calculated in accordance with Figures 11.19.2-3 through 11.19.2-6. The PM-10 control efficiencies have been applied to the PM controlled emission factor data to calculate the uncontrolled PM emission rates.

Screening PM-10

Controlled = 0.00073 Lbs./Ton.

Uncontrolled = 0.00865 Lbs./Ton.

Efficiency = 91.6%

Tertiary Crushing PM-10

Controlled = 0.00054

Uncontrolled = 0.00243

Efficiency = 77.7%

Fines Crushing PM-10:

Controlled = 0.0012

Uncontrolled = 0.015

Efficiency = 92.0%

Conveyor Transfer Points PM-10

Controlled = 0.000045

Uncontrolled = 0.0011

Efficiency = 95.9%

The uncontrolled total particulate matter emission factor was calculated from the controlled total particulate matter using Equation 1:

$$\text{Uncontrolled emission factor} = \frac{\text{Controlled total particulate emission factor}}{(100\% - \text{PM-10 Efficiency }\%)/100\%}$$

Equation 1

The Total PM emission factors calculated using Figures 11.19.2-3 through 11.19.2-6 were developed because (1) there are more A-rated test data supporting the calculated values and (2) the extrapolated values provide the flexibility for agencies and source operators to select the most appropriate definition for Total PM. All of the Total PM emission factors have been rated as E due to the limited test data and the need to estimate emission factors using extrapolations of the PM-2.5 and PM-10 data.

Pulverized Mineral Processing

Emissions of particulate matter from dry mode pulverized mineral processing operations are controlled by pulse jet and envelope type fabric filter systems. Due to the low-to-moderate gas temperatures generated by the processing equipment, conventional felted filter media are used. Collection efficiencies for fabric filter-controlled dry process equipment exceed 99.5%. Emission factors for pulverized mineral processing operations are presented in Tables 11.19.2-3 and 11.19.2-4.

Table 11.19.2-3 (Metric Units). EMISSION FACTORS FOR PULVERIZED MINERAL PROCESSING OPERATIONS [a]

Source [b]	Total Particulate Matter	EMISSION FACTOR RATING	Total PM-10	EMISSION FACTOR RATING	Total PM-2.5	EMISSION FACTOR RATING
Grinding (Dry) with Fabric Filter Control (SCC 3-05-038-11)	0.0202	D	0.0169	B	0.0060	B
Classifiers (Dry) with Fabric Filter Control (SCC 3-05-038-12)	0.0112	E	0.0052	E	0.0020	E
Flash Drying with Fabric Filter Control (SCC 3-05-038-35)	0.0134	C	0.0073	C	0.0042	C
Product Storage with Fabric Filter Control (SCC 3-05-38-13)	0.0055	E	0.0008	E	0.0003	E

a. Emission factors represent controlled emissions unless noted. Emission factors are in kg/Mg of material throughput.

b. Date from references 16 through 23

Table 11.19.2-4 (English Units). EMISSION FACTORS FOR PULVERIZED MINERAL PROCESSING OPERATIONS [a]

Source [b]	Total Particulate Matter	EMISSION FACTOR RATING	Total PM-10	EMISSION FACTOR RATING	Total PM-2.5	EMISSION FACTOR RATING
Grinding (Dry) with Fabric Filter Control (SCC 3-05-038-11)	0.0404	D	0.0339	B	0.0121	B
Classifiers (Dry) with Fabric Filter Control (SCC 3-05-038-12)	0.0225	E	0.0104	E	0.0041	E
Flash Drying with Fabric Filter Control (SCC 3-05-038-35)	0.0268	C	0.0146	C	0.0083	C
Product Storage with Fabric Filter Control (SCC 3-05-038-13)	0.0099	E	0.0016	E	0.0006	E

a. Emission factors represent controlled emissions unless noted. Emission factors are in lb/Ton of material throughput.

b. Data from references 16 through 23

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[1] References 1 through 23 are identical to References 1 through 23 in the Background Support Document for AP-42, Section 11.19-2.

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13.2.4 Aggregate Handling And Storage Piles

13.2.4.1 General

Inherent in operations that use minerals in aggregate form is the maintenance of outdoor storage piles. Storage piles are usually left uncovered, partially because of the need for frequent material transfer into or out of storage.

Dust emissions occur at several points in the storage cycle, such as material loading onto the pile, disturbances by strong wind currents, and loadout from the pile. The movement of trucks and loading equipment in the storage pile area is also a substantial source of dust.

13.2.4.2 Emissions And Correction Parameters

The quantity of dust emissions from aggregate storage operations varies with the volume of aggregate passing through the storage cycle. Emissions also depend on 3 parameters of the condition of a particular storage pile: age of the pile, moisture content, and proportion of aggregate fines.

When freshly processed aggregate is loaded onto a storage pile, the potential for dust emissions is at a maximum. Fines are easily disaggregated and released to the atmosphere upon exposure to air currents, either from aggregate transfer itself or from high winds. As the aggregate pile weathers, however, potential for dust emissions is greatly reduced. Moisture causes aggregation and cementation of fines to the surfaces of larger particles. Any significant rainfall soaks the interior of the pile, and then the drying process is very slow.

Silt (particles equal to or less than 75 micrometers [μm] in diameter) content is determined by measuring the portion of dry aggregate material that passes through a 200-mesh screen, using ASTM-C-136 method.[1] Table 13.2.4-1 summarizes measured silt and moisture values for industrial aggregate materials.

Table 13.2.4-1. TYPICAL SILT AND MOISTURE CONTENTS OF MATERIALS AT VARIOUS INDUSTRIES[a]

Industry	No. Of Facilities	Material	Silt Content (%)			Moisture Content (%)		
			No. Of Samples	Range	Mean	No. Of Samples	Range	Mean
Iron and steel production	9	Pellet ore	13	1.3 - 13	4.3	11	0.64 - 4.0	2.2
		Lump ore	9	2.8 - 19	9.5	6	1.6 - 8.0	5.4
		Coal	12	2.0 - 7.7	4.6	11	2.8 - 11	4.8
		Slag	3	3.0 - 7.3	5.3	3	0.25 - 2.0	0.92
		Flue dust	3	2.7 - 23	13	1	—	7
		Coke breeze	2	4.4 - 5.4	4.9	2	6.4 - 9.2	7.8
		Blended ore	1	—	15	1	—	6.6
		Sinter	1	—	0.7	0	—	—
		Limestone	3	0.4 - 2.3	1.0	2	ND	0.2
Stone quarrying and processing	2	Crushed limestone	2	1.3 - 1.9	1.6	2	0.3 - 1.1	0.7
		Various limestone products	8	0.8 - 14	3.9	8	0.46 - 5.0	2.1
Taconite mining and processing	1	Pellets	9	2.2 - 5.4	3.4	7	0.05 - 2.0	0.9
		Tailings	2	ND	11	1	—	0.4
Western surface coal mining	4	Coal	15	3.4 - 16	6.2	7	2.8 - 20	6.9
		Overburden	15	3.8 - 15	7.5	0	—	—
		Exposed ground	3	5.1 - 21	15	3	0.8 - 6.4	3.4
Coal-fired power plant	1	Coal (as received)	60	0.6 - 4.8	2.2	59	2.7 - 7.4	4.5
Municipal solid waste landfills	4	Sand	1	—	2.6	1	—	7.4
		Slag	2	3.0 - 4.7	3.8	2	2.3 - 4.9	3.6
		Cover	5	5.0 - 16	9.0	5	8.9 - 16	12
		Clay/dirt mix	1	—	9.2	1	—	14
		Clay	2	4.5 - 7.4	6.0	2	8.9 - 11	10
		Fly ash	4	78 - 81	80	4	26 - 29	27
		Misc. fill materials	1	—	12	1	—	11

[a] References 1-10. ND = no data.

13.2.4.3 Predictive Emission Factor Equations

Total dust emissions from aggregate storage piles result from several distinct source activities within the storage cycle:

1. Loading of aggregate onto storage piles (batch or continuous drop operations).
2. Equipment traffic in storage area.
3. Wind erosion of pile surfaces and ground areas around piles.
4. Loadout of aggregate for shipment or for return to the process stream (batch or continuous drop operations).

Either adding aggregate material to a storage pile or removing it usually involves dropping the material onto a receiving surface. Truck dumping on the pile or loading out from the pile to a truck with a front-end loader are examples of batch drop operations. Adding material to the pile by a conveyor stacker is an example of a continuous drop operation.

The quantity of particulate emissions generated by either type of drop operation, per kilogram (kg) (ton) of material transferred, may be estimated, with a rating of A, using the following empirical expression:[11]

$$E = k(0.0016) \frac{\left(\frac{U}{2.2}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} \text{ (kg/megagram [Mg])} \quad (1)$$

$$E = k(0.0032) \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} \text{ (pound [lb]/ton)}$$

where:

E = emission factor
k = particle size multiplier (dimensionless)
U = mean wind speed, meters per second (m/s) (miles per hour [mph])
M = material moisture content (%)

The particle size multiplier in the equation, k, varies with aerodynamic particle size range, as follows:

Aerodynamic Particle Size Multiplier (k) For Equation 1				
< 30 μm	< 15 μm	< 10 μm	< 5 μm	< 2.5 μm
0.74	0.48	0.35	0.20	0.053[a]

[a] Multiplier for < 2.5 μm taken from Reference 14.

The equation retains the assigned quality rating if applied within the ranges of source conditions that were tested in developing the equation, as follows. Note that silt content is included, even though silt content does not appear as a correction parameter in the equation. While it is reasonable to expect that silt content and emission factors are interrelated, no significant correlation between the 2 was found during the derivation of the equation, probably because most tests with high silt contents were conducted under lower winds, and vice versa. It is recommended that estimates from the equation be reduced 1 quality rating level if the silt content used in a particular application falls outside the range given:

Ranges Of Source Conditions For Equation 1			
Silt Content (%)	Moisture Content (%)	Wind Speed	
		m/s	mph
0.44 - 19	0.25 - 4.8	0.6 - 6.7	1.3 - 15

To retain the quality rating of the equation when it is applied to a specific facility, reliable correction parameters must be determined for specific sources of interest. The field and laboratory procedures for aggregate sampling are given in Reference 3. In the event that site-specific values for

correction parameters cannot be obtained, the appropriate mean from Table 13.2.4-1 may be used, but the quality rating of the equation is reduced by 1 letter.

For emissions from equipment traffic (trucks, front-end loaders, dozers, etc.) traveling between or on piles, it is recommended that the equations for vehicle traffic on unpaved surfaces be used (see Section 13.2.2). For vehicle travel between storage piles, the silt value(s) for the areas among the piles (which may differ from the silt values for the stored materials) should be used.

Worst-case emissions from storage pile areas occur under dry, windy conditions. Worst-case emissions from materials-handling operations may be calculated by substituting into the equation appropriate values for aggregate material moisture content and for anticipated wind speeds during the worst case averaging period, usually 24 hours. The treatment of dry conditions for Section 13.2.2, vehicle traffic, "Unpaved Roads", follows the methodology described in that section centering on parameter p. A separate set of nonclimatic correction parameters and source extent values corresponding to higher than normal storage pile activity also may be justified for the worst-case averaging period.

13.2.4.4 Controls[12-13]

Watering and the use of chemical wetting agents are the principal means for control of aggregate storage pile emissions. Enclosure or covering of inactive piles to reduce wind erosion can also reduce emissions. Watering is useful mainly to reduce emissions from vehicle traffic in the storage pile area. Watering of the storage piles themselves typically has only a very temporary slight effect on total emissions. A much more effective technique is to apply chemical agents (such as surfactants) that permit more extensive wetting. Continuous chemical treating of material loaded onto piles, coupled with watering or treatment of roadways, can reduce total particulate emissions from aggregate storage operations by up to 90 percent.[12]

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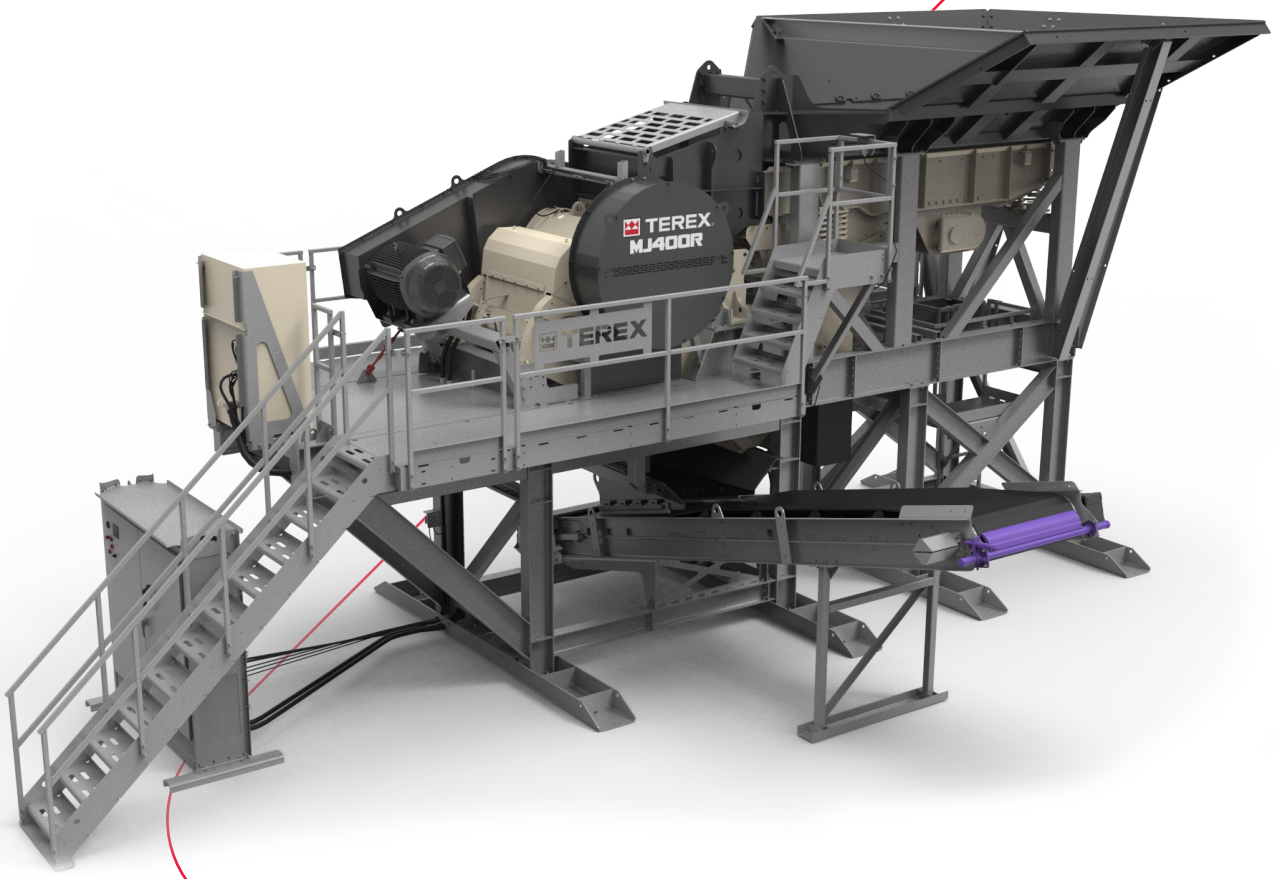

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This product is ideal for C & D recycling applications as well as quarries and mines and integrates well with established systems or as an independent unit.

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- TJ2844R chamber with standard Super Tooth liner profile
- 1100mm (44") x 700mm (28") jaw chamber pre mounted on sub frame assembly with motor, belts, and drive guard
- Fabricated main frame with bolt on bearing cartridges
- Direct electrically driven jaw crusher via belt system
- Manual hydraulically assisted closed side setting via shims
- Hydraulic overload protection
- Wedge & through bolt liner retention system on the fixed & the swing liner
- CSS opening range – 50mm (2") to 125mm (5")
- 110kW (150hp) WEG crusher duty motor 380 - 415 volts 3-phase 50Hz

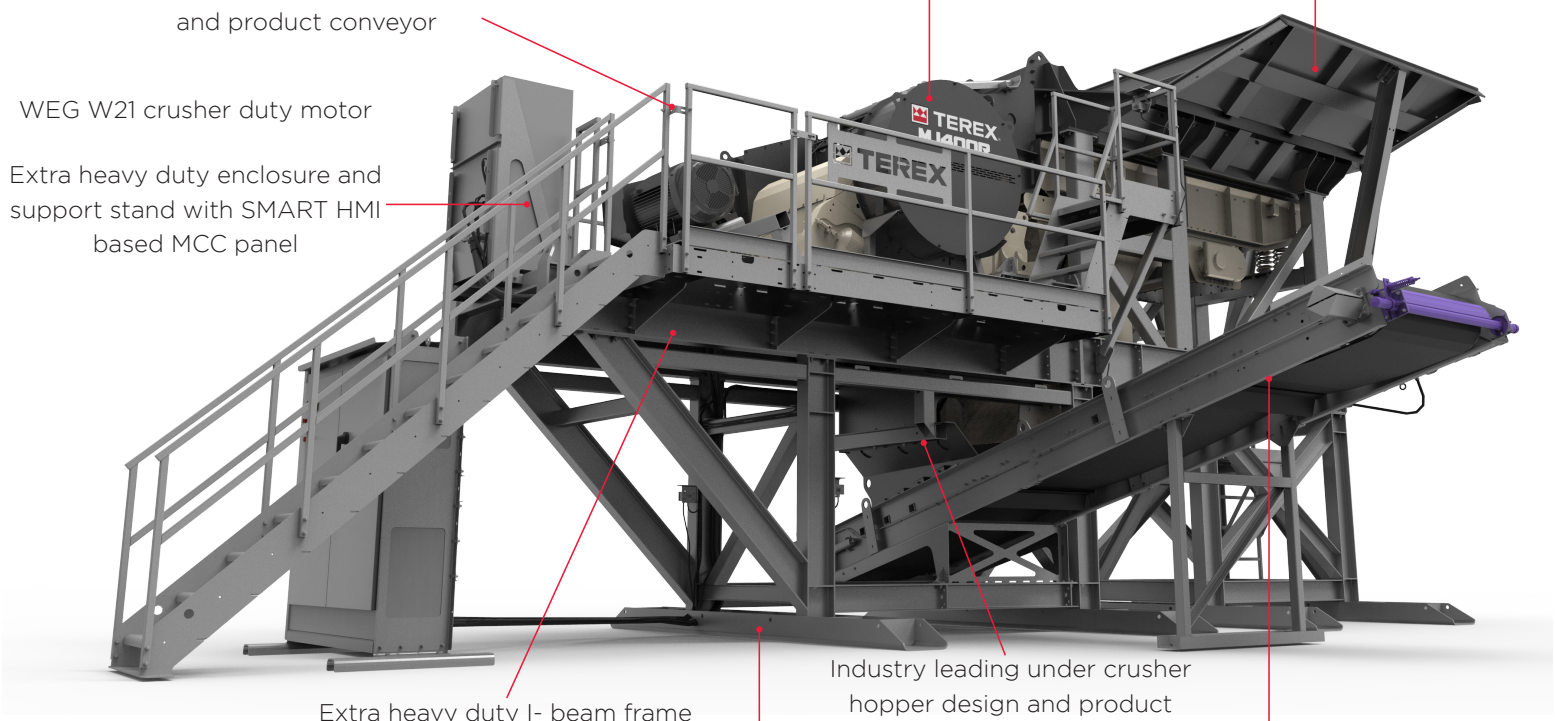
TJ2844R single toggle jaw crusher with renowned hydraulic overload protection as standard

Low angle wing hopper for ease of loading

Fully galvanized steel structure including walkways, steps, guardrails and product conveyor

WEG W21 crusher duty motor

Extra heavy duty enclosure and support stand with SMART HMI based MCC panel



Extra heavy duty I- beam frame

Industry leading under crusher hopper design and product conveyor access

"Pontoon" base frame for ease of installation and adaptation to site if concrete pad is not used

C&D easy access side discharge product conveyor with "no crawl" maintenance access

Shown with optional hopper wing extensions and optional switchgear panel.

Side conveyor design allows rebar to pass easily away from under the plant

Module Structure

- Bolt together on-site, quick setup time with basic tools
- One-piece crusher feed chute with plug welded AR liners and chamber guard
- Fines bypass “tool less” 2-position chute discharges to product conveyor or optional third party fines conveyor
- Galvanized and painted steel structure with walkways, steps, platforms, and guard rails
- Pre-wired “plug and play” design, minimal on-site wiring
- Heavy duty ground mounted electrical control panel and plant wiring giving manual/ automatic control of jaw module operation
- Emergency stop stations
- Observation platform
- CE compliant module structure and components

Vibrating Grizzly Feeder

- Spring mounted stepped vibrating pan and grizzly feeder
- Vibrating unit: twin heavy-duty cast eccentric shafts running in spherical roller bearings
- Wear resistant side and floor liner plates
- V-belt drive, 15kW (20hp) motor with guard
- Length: 4.36m (14’); feeder width: 1.06m (42”)
- Total stepped grizzly length: 2.12m (7’)
- Two replaceable stepped cartridge grizzlies 75mm (3”) nominal aperture tapered
- Under-screen: screen mesh standard

Discharger Conveyor

- Side Discharge: standard non-drive side
- 1050mm wide (42”) “Toughflex” EPP630 (360PIW) 2-ply belt
- 11kW (15 hp) electric drive motor
- Impact bars at feed point & AR liners at crusher feed point
- Belt scraper at head drum & skirted at hopper feed area
- Slide-back under crusher hopper discharge unit to remove rebar

Hopper

- Hopper body 20mm (3/4”) AR 400 construction with reinforcing ribs: 3.05m^3 (4 yd^3) standard hopper capacity

Specifications	Imperial	Metric
Motor Size	150 hp	110 kW
Feed Opening	28” x 44”	700 mm x 1100 mm
Crusher Weight (dry weight)	36,000 lbs	16,300 kg
Setting Range (pending application)	2”-6”	50 mm to 150 mm
Capacity	127 - 281 stph	115 - 255 mtph
Standard Adjustment	Shim hydraulic assist with hydraulic overload release	
Frame Style	Welded	
Lubrication System	Greased	

Optional equipment

- Extended product conveyor dual drive option for feeding modular plant (contact factory for details)
- 3 piece AR400 construction wing hopper extensions increasing hopper capacity to approx. 8.41m^3 (11 yd^3)
- Twin pole magnet and off plant support stand kit
- Bulkhead
- Deduct of modular switchgear panel and wiring
- Switchgear panel

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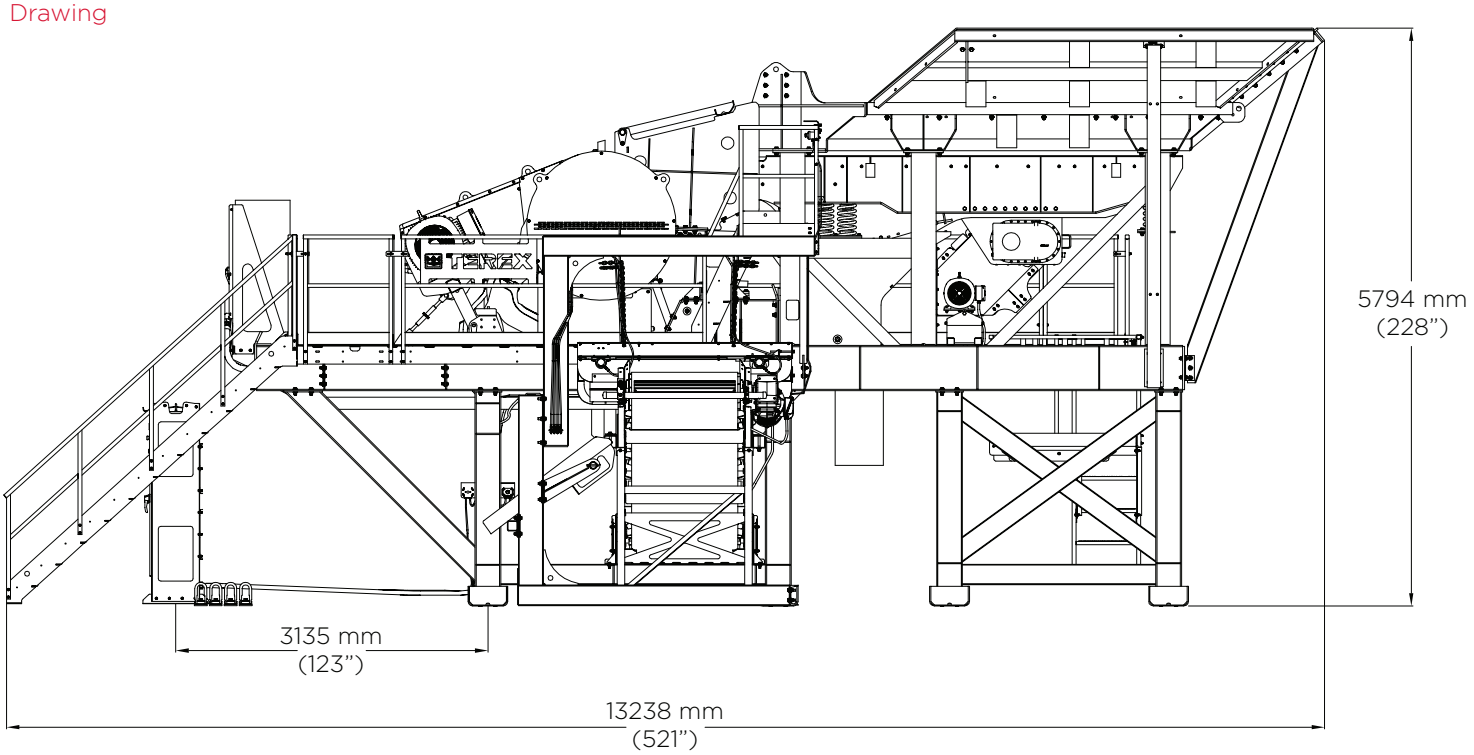
Drawing



Drawing shown with optional hopper wing.

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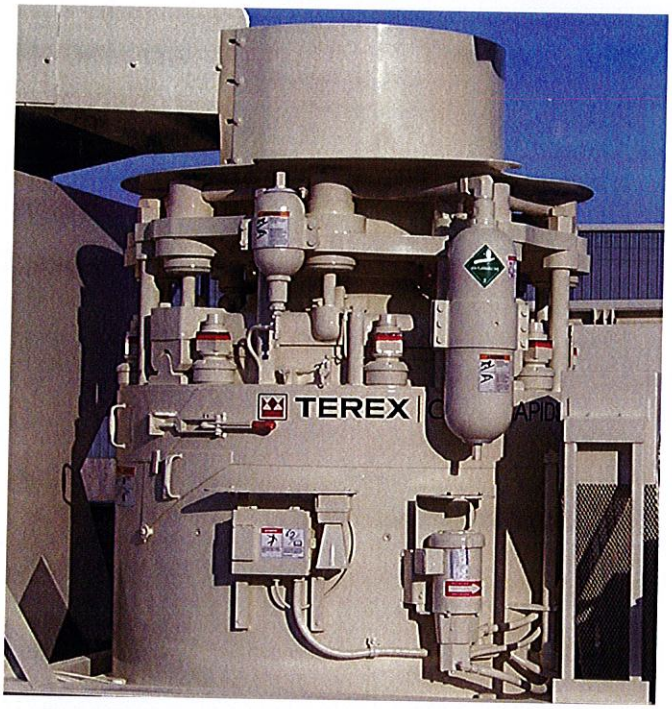
TEREX | CEDARAPIDS

ElJay® Rollercone® Classic and RCII | Specifications



Standard Features

All roller bearing construction
Wide unobstructed discharge
Alloy steel pinion shaft and gear set
Close running deep tapered grooved labyrinth seals
Cone manganese easily replaced without removing cone
Large unobstructed feed opening
Bolt-on counterweights eliminate shaking
Hydro-pneumatic tramp iron relief system with pump
Long-traveling relief cylinders
Easily removable top or bonnet assembly intact
Bowl manganese replaceable without dismantling tramp iron relief system
Vee-seat assembly not integral part of base frame
Crusher sheave
Quick hydraulic shim adjustment
Self-contained oil reservoir
Electric lubrication pump
Immersion oil heater with thermostat
Visual indicator on oil filter and flow switch

Optional Equipment

V-belt drives
Electric motors
Electrical control and wiring
Portable plant mounted
Wire basket hopper extension

Approximate Weights | lbs and (kg)

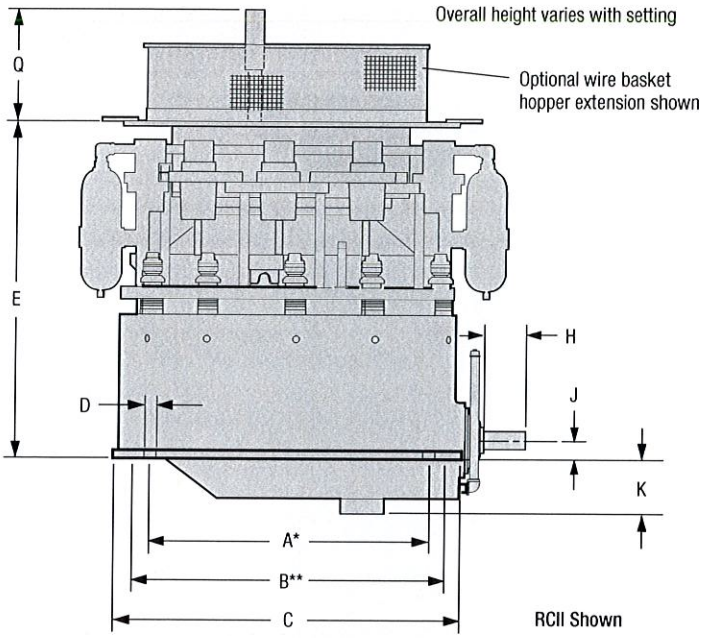
	36" RC (914 mm)	45" RC (1143 mm)	54" RC (1372 mm)	60" RC (1524 mm)	66" RC (1676 mm)		45" RCII (1143 mm)	54" RCII (1372 mm)
Standard Head	17,000 (7727)	29,000 (13,182)	42,560 (19,345)	53,100 (24,136)	65,500 (29,773)		29,000 (13,182)	42,560 (19,345)
Fine Head	17,000 (7727)			53,100 (24,136)	65,500 (29,773)			

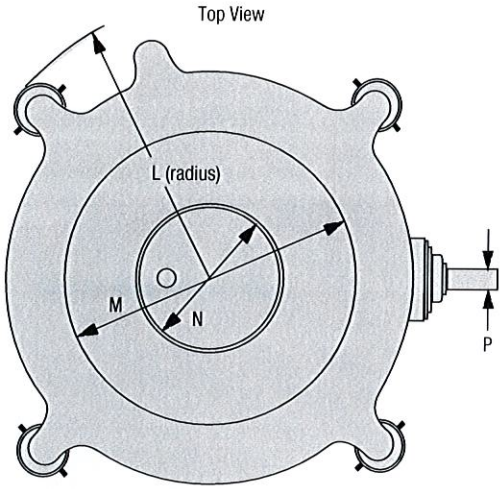
Note: Weights of same-size crushers will vary due to differences in major castings.

Form 24031 (4/09)

TEREX | CEDARAPIDS

ElJay® Rollercone® Classic and RCII | Specifications





Dimensions | Measurements to nearest inch and (mm) except as noted. Use Certified Engineering Drawings for Installation.

RC Classic	A*	B**	C	D	E	H	J	K	L	M	N	P	Q	Key	Drive RPM	Elec. HP***
36" Std (914)	47 (1195)	57 (1445)	59 (1500)	1-5/8 (41)	58 (1473)	6-1/4 (159)	2-5/8 (66)	7 (178)	38 (965)	40 (1015)	20 (508)	2-3/4 (70)	–	5/8 (16)	720-750	75
36" FH (914)	47 (1195)	57 (1445)	59 (1500)	1-5/8 (41)	58 (1473)	6-1/4 (159)	2-5/8 (66)	7 (178)	36 (965)	40 (1015)	22-1/4 (565)	2-3/4 (70)	17 (430)	5/8 (16)	720-750	75
45" Std (1143)	52 (1320)	65 (1650)	68 (1725)	1-7/8 (47)	72 (1829)	7 (178)	12-1/4 (311)	–	43 (1090)	42 (1065)	22 (558)	3 (75)	–	3/4 (19)	720-750	125
45" FH (1143)	52 (1320)	65 (1650)	68 (1725)	1-7/8 (47)	72 (1829)	7 (178)	12-1/4 (311)	–	43 (1090)	42 (1065)	24-1/2 (622)	3 (75)	23 (585)	3/4 (19)	720-750	125
54" Std (1372)	59 (1500)	66 (1675)	78 (1980)	1-7/8 (47)	82 (2083)	10 (254)	4-1/2 (114)	9 (230)	48 (1220)	52 (1320)	28 (711)	3-1/2 (89)	–	7/8 (22)	680-700	200
54" FH (1372)	59 (1500)	66 (1675)	78 (1980)	1-7/8 (47)	81 (2057)	10 (254)	4-1/2 (114)	9 (230)	48 (1220)	52 (1320)	28 (711)	3-1/2 (89)	25 (635)	7/8 (22)	680-700	200
60" Std/FH (1524)	64 (1626)	75 (1905)	90 (2286)	1-7/8 (47)	92 (2337)	10 (254)	8 (203)	7 (178)	55 (1397)	43 (1092)	32 (813)	4-1/2 (115)	–	1 (25)	680-700	250
66" Std (1676)	69 (1755)	88 (2235)	92 (2337)	1-3/4 (45)	102 (2591)	10 (254)	10 (255)	5-1/2 (140)	60 (1524)	50 (1270)	38 (965)	4-1/2 (115)	–	1 (25)	690-720	300
66" FH (1676)	69 (1755)	88 (2235)	92 (2337)	1-3/4 (45)	102 (2591)	10 (254)	10 (255)	5-1/2 (140)	60 (1524)	48 (1219)	38 (965)	4-1/2 (115)	31 (785)	1 (25)	690-720	300

RCII	A*	B**	C	D	E	H	J	K	L	M	N	P	Key	Drive RPM	Elec. HP***
45" (1143)	52 (1320)	57 (1448)	68 (1727)	1-7/8 (48)	75 (1905)	10 (254)	12 (305)	5 (127)	47 (1194)	42 (1067)	22 (559)	3 (76)	3/4 (19)	700-950	200
54" (1372)	59 (1499)	65 (1651)	81-1/2 (2070)	1-7/8 (48)	81-1/2 (2070)	10 (254)	4-1/2 (114)	13 (330)	51 (1295)	52 (1321)	28 (711)	3-1/2 (89)	7/8 (22)	700-950	300

*Square mounting pattern. **Discharge opening. ***HP varies with type of material, crushing conditions and discharge setting.

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Terex® MPS
Modular Plants

MC1300
Cone Module

A world working better™

Terex® MPS Modular Plants

MC1300 Cone Module

Flexible, Robust Design with Logistics in Mind

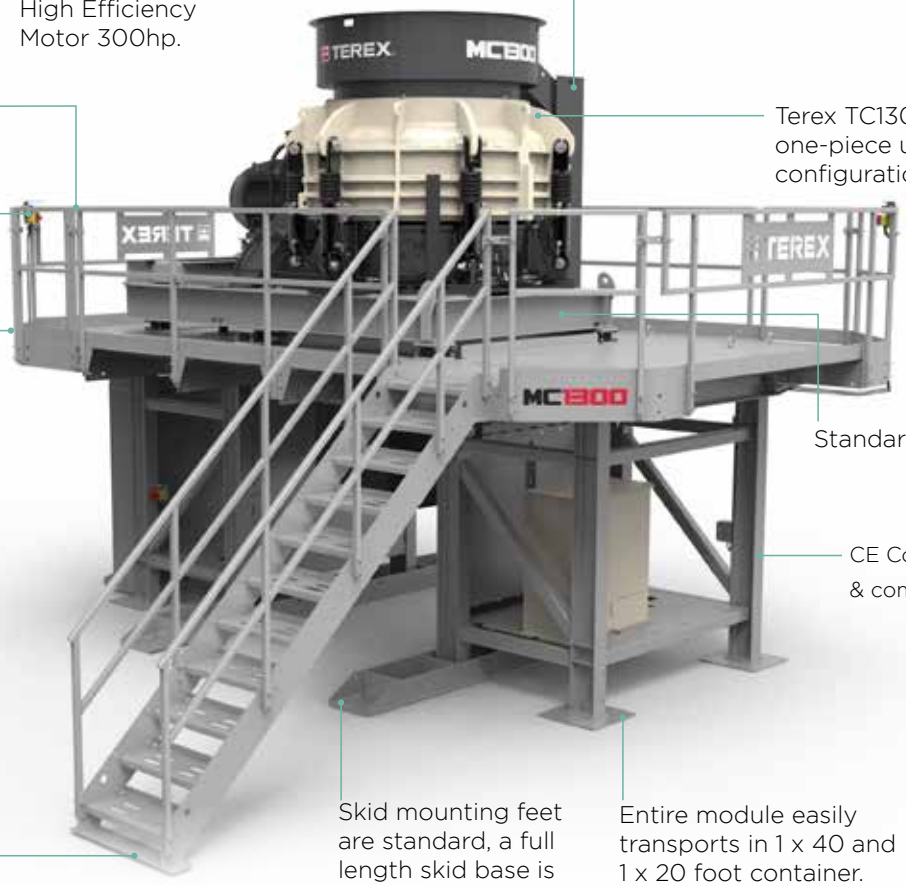
Designed around our proven, high-performance TC1000 & TC1150 cones, our TC1300 offers a nominal cone head diameter of 51"(1300 mm). It features a one-piece upper frame for all liner configurations, a no-hit concave and new mantle liner retention systems. Other enhancements include greater tramp clearance and increased clamp hold down pressure. Options include an anti-spin device and an upgraded platform offering wider walkways plus easier maintenance access.

Key Features

- Fast set-up time
- Ease of operation
- On-site assembly with minimal wiring
- Integrates with existing plant configuration
- All electric
- Compact – can be transported in containers and by road
- Robust, weather-protected panels with user-friendly controls
- Galvanized steel structures including walkways, stairs and guard rails
- Extra heavy-duty I-beam frames
- CE-compliant modules, structures and components
- Universal Platform

Controls

- Manual/Automatic one touch startup with start sequencing
- Flexibility to remove standard base cone control panel ACE6 and option to add switchgear panel
- Eriez Metal detector kit



Commonality

- Standard live frame and drive kit with MPS Static/Portable
- Standard Base Cone Controls “ACE6”
- Flexibility to interchange TC1150 with standard TC1000 & TC1300 Cone crusher and components
- Ability to Plug & Play with standard TC components & parts where practical

Durability

- Fully Galvanised Structure
- All electric
- Heavy Duty Nema Type 12 / IEC60529 Control Panel (Hoffman style)
- Rock Box design discharge chute

Set Up

- Easy assemble and disassemble
- Pre-assembled sections to enable quick set up time and as few lifts as possible from container
- Pre-wired

Transport

- 1 x 40’ Standard Open Top Container

+ 1 x 20’ for Cone Open Top Container

Options

- Overflow Chute
- Electrical Switch Gear
- Off Plant conveyor starter kit
- Ultrasonic Level Control
- Operator working light kit
- Cone Feed Camera kit

Main Components

Galvanized Modular Structure,
steps and guardrails
23,654 Kg 52,150 lbs

Cone Specifications

Approximate Component Weights & Basic Dimensions		
Whole Crusher Dry Weight	22000 Kg	48,502 lbs
Upper Frame Assembly	5700 Kg	12,566 lbs
Cone Head Assembly	2950 Kg	6,503 lbs
Eccentric Assembly	1800 Kg	3,968 lbs
Countershaft Assembly	500 Kg	1,102 lbs
Main Frame Assembly	5356 Kg	11,808 lbs
Mantle Liner	748 Kg	1,649 lbs
Concave Medium Course	858 Kg	1,891 lbs
Concave Fine	1055 Kg	2,325 lbs

Maximum Feed Size		
Extra Course Configuration	255 mm	10.0”
Medium Course Configuration	220 mm	8.6”
Fine Configuration	180 mm	7.0”

Minimum Recommended CSS		
Extra Course Configuration	25 mm	1.0”
Medium Course Configuration	18 mm	0.71”
Fine Configuration	12 mm	0.47”

TC1300 Cone

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CEDARAPIDS®
A TEREX BRAND

Modular Plants

MHS6203
Screen Module

A world working better™

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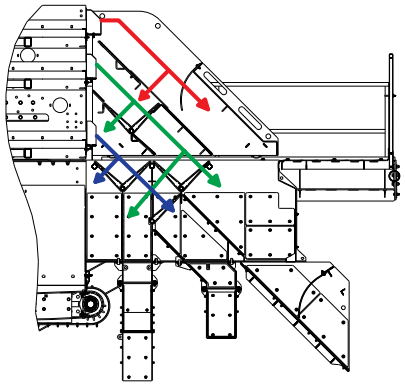
Cedarapids® Modular Plants

MHS6203 Screen Module

The MHS6203 modular horizontal screen features the extremely efficient Cedarapids® LJ-TSV screen with its legendary ElJay® oval stroke action. Set-up time and ease of operation is aided by the simplicity of the modular product range. All of our modular crushers and modular screens bolt together on site and require minimal on-site wiring. Designed with logistics in mind, the MHS6203 module ships in two 40' shipping containers plus the screen.



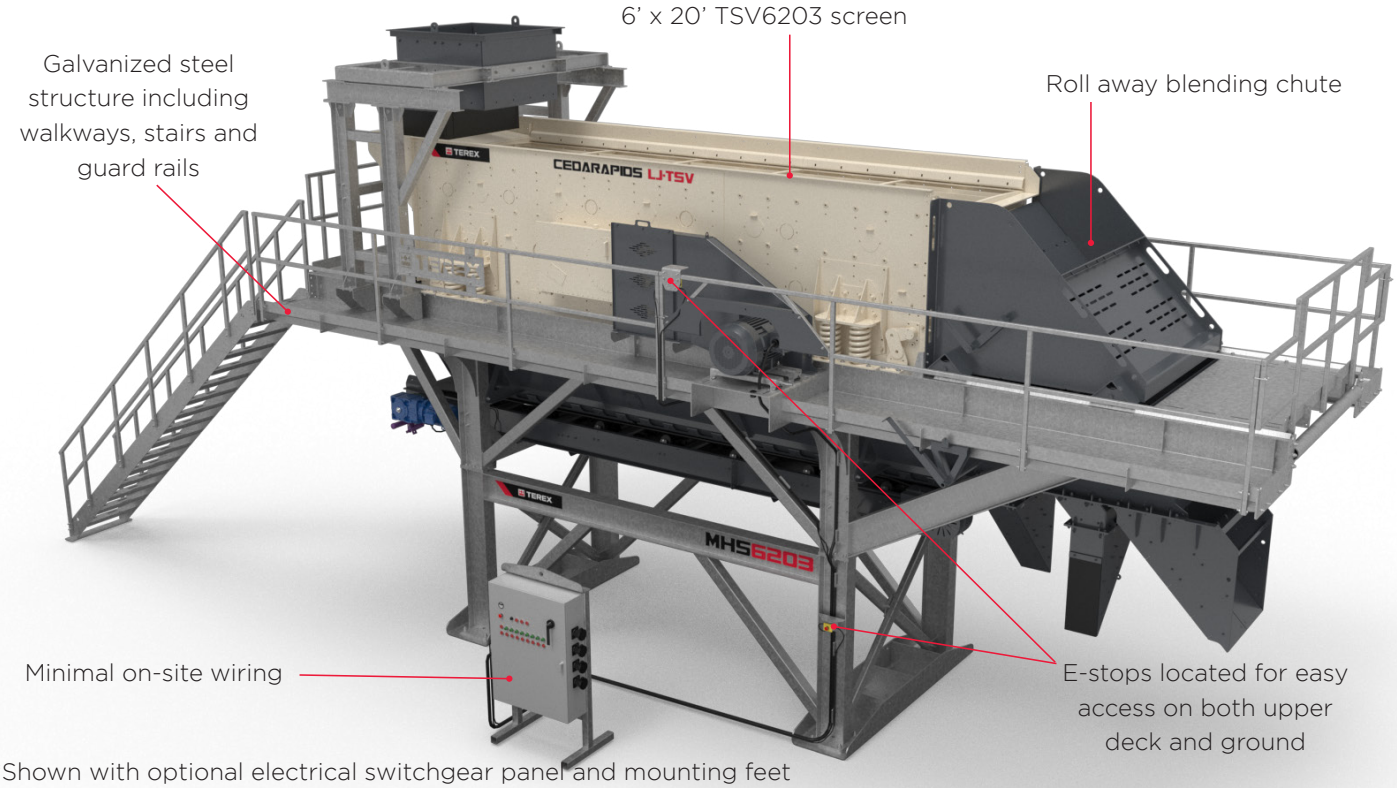
Standard Features

Module Structure

- Bolts together on site, quick set-up time with basic tools
- Minimal on-site wiring
- Robust weather-protected control panel with user-friendly controls
- Galvanized steel structure including walkways, stairs and guard rails
- Extra-heavy-duty I-beam frame with rigid diagonal truss construction
- Integrated rolling chute mechanism and integrated trouser leg chutes
- CE compliant module structure and components
- Systematically packed in shipping containers for quick site setup and easy transport

Blending Chutes

- 4-section (25%) blending gate system for all decks
- 2-section (25%) blending gates for bottom deck
- Deck product combinations: top-center; center-bottom; bottom-fines; center up to top; bottom up to center
- Heavy-duty AR 400 liners on impact surfaces
- Flop gates are made from AR 400 steel



*Shown with optional electrical switchgear panel and mounting feet

Cedarapids LJ-TSV Horizontal Screen

- 6’ x 20’ (1828mm x 6096mm) 3-deck LJ-TSV6203-32 horizontal screen with El-JayTM oval stroke design
- Three-shaft vibrator mechanism with adjustable stroke angle, stroke length, and speed
- 25% thicker 5/16” (8 mm) grade 50 high strength steel side plates
- Heavy-duty fully braced single crown steel deck construction
- Exclusive patented and patent-pending features for durability and easy maintenance:
  - Low maintenance vibration damper system
  - “Flow-through” bearing lubrication
  - Baffle splash lubrication system
  - Double O-ring sealed for life vibrator construction
- Spherical washer design eliminates sidewall welds
- Huck-bolted screen box construction (no welds)
- Extended life coil spring suspension
- Replaceable bolt-on spring guides
- Gland type non-wearing shaft seal
- Tool-less oil level sight glasses

Underscreen Conveyor

- 36” (900mm) fully skirted underscreen fines conveyor
- 10 hp (7.5kW) electric motor, vulcanized 2-ply belt
- Direct drive motor and gearbox
- Easy access belt take-ups
- High performance belt wiper

Specifications	Imperial	Metric
Screen Size	6’ x 20’	1828 x 6096 mm
Screen Motor	40 hp	30 kW
Underscreen Conveyor Width	36”	900 mm
Underscreen Conveyor Motor	10 hp	7.5 kW
Estimated Module Weight	48,500 lbs	22,000 kg

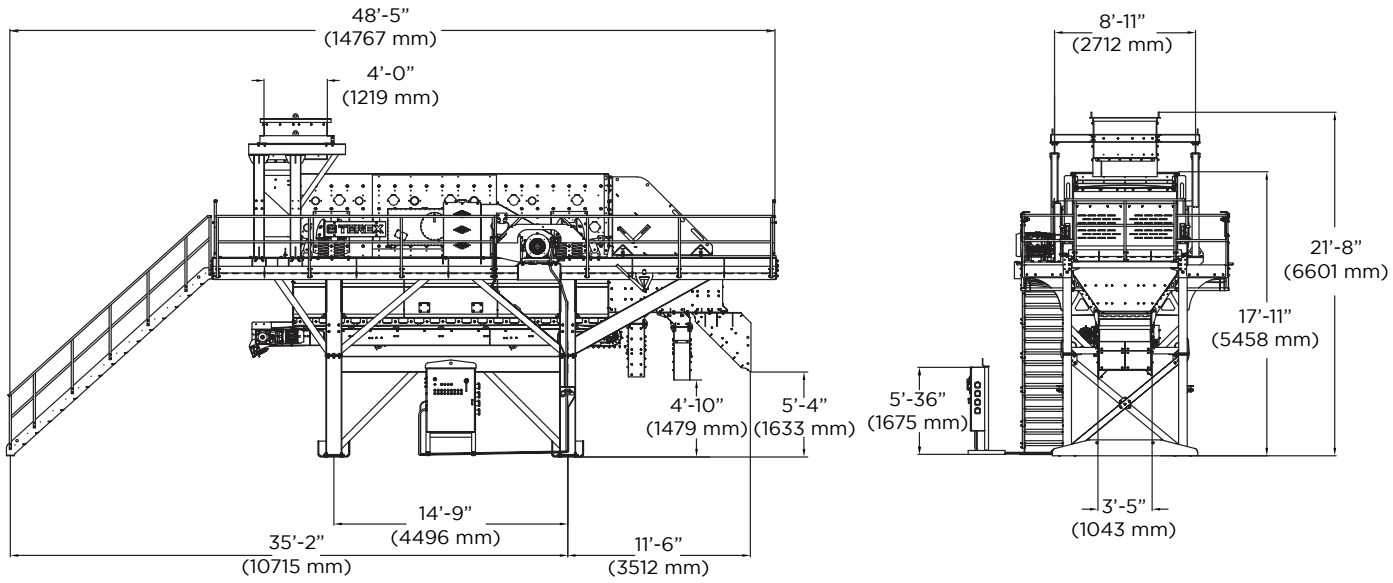
Power Panel

- Electric power panel for screen and on-plant collection conveyor

Optional equipment

- Mounting feet for easy setup at site without concrete pads (full length skid bases also available)
- Electrical switchgear panel
- Off module conveyor starter kit for off-plant feed conveyor and four off-plant product conveyors
- Feed Box and Support Structure for Dry Screening - Rock Box Style material feed box allows for the conveyor to feed from either side or over the back of the screen
- Wash Plant Option - Feed Box with two spray bars and support structure, screen spray system with manifold and under screen flume

Working Dimensions



Shown with optional switchgear, mounting feet and feed box.

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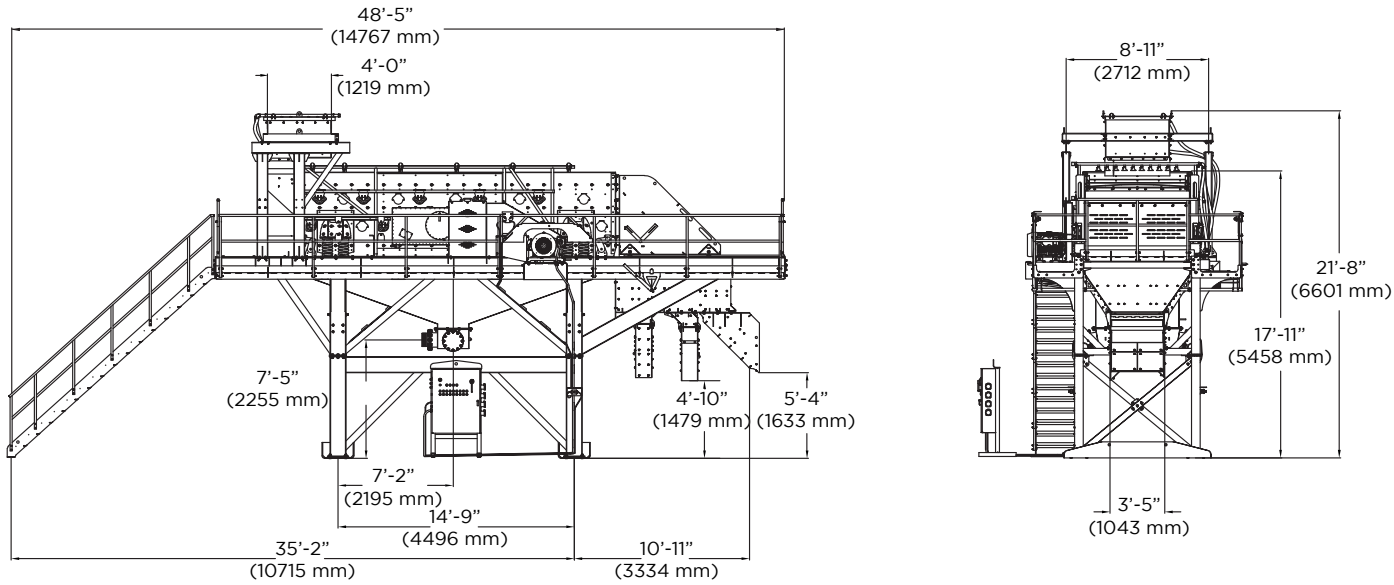
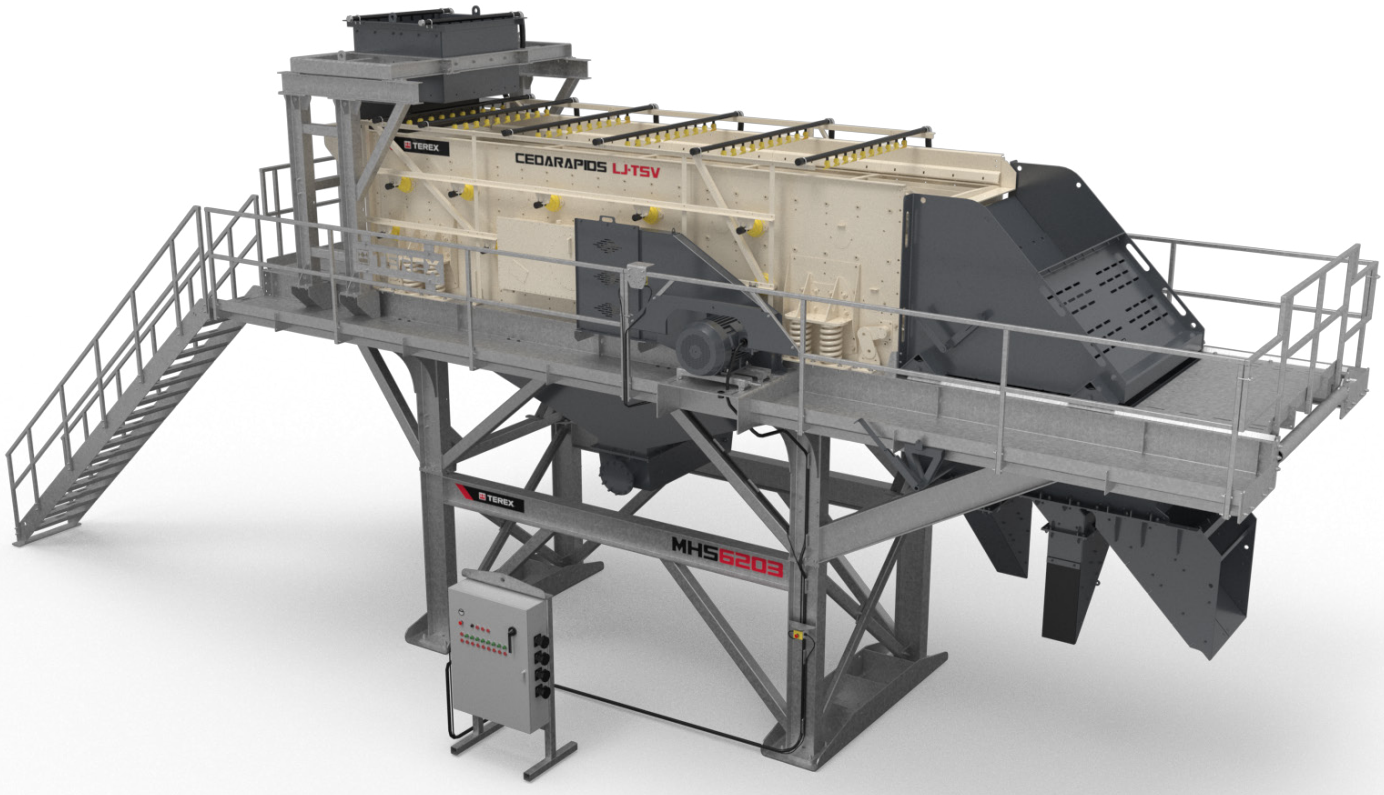
Working Dimensions - Wash Option



Shown with optional switchgear and mounting feet.



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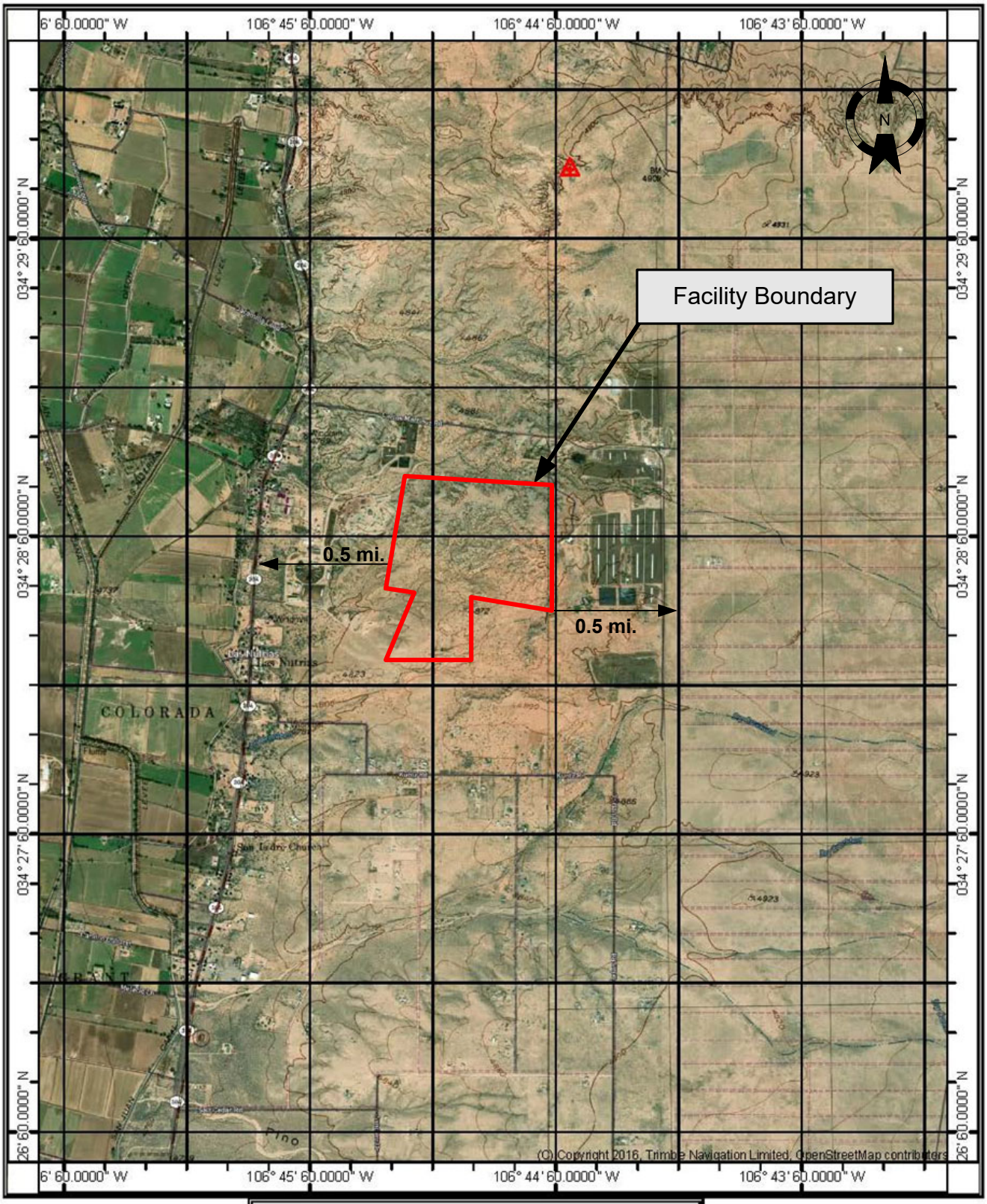
Section 8

Map(s)

A map such as a 7.5 minute topographic quadrangle showing the exact location of the source. The map shall also include the following:

The UTM or Longitudinal coordinate system on both axes	An indicator showing which direction is north
A minimum radius around the plant of 0.8km (0.5 miles)	Access and haul roads
Topographic features of the area	Facility property boundaries
The name of the map	The area which will be restricted to public access
A graphical scale	

See attached.



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Mile

ALLIANT ENVIRONMENTAL, LLC			**Area Map**	**Castillo Sand and Gravel**		
Scale: **1:30,000**	Drawn by: MDF	Date: 3/8/2021	**Veguita South Crusher Plant** N 34° 28' 54.17" Latitude W -106° 45' 19.42" Longitude	Project No.: 098-002	File Name: **Veguita South Area Maps**	Figure: Section 8
	Chk'd by:	Date:				

Section 9

Proof of Public Notice

(for NSR applications submitting under 20.2.72 or 20.2.74 NMAC)
(This proof is required by: 20.2.72.203.A.14 NMAC "Documentary Proof of applicant's public notice")

☒ **I have read the AQB "Guidelines for Public Notification for Air Quality Permit Applications"**
This document provides detailed instructions about public notice requirements for various permitting actions. It also provides public notice examples and certification forms. Material mistakes in the public notice will require a re-notice before issuance of the permit.

Unless otherwise allowed elsewhere in this document, the following items document proof of the applicant's Public Notification. Please include this page in your proof of public notice submittal with checkmarks indicating which documents are being submitted with the application.

New Permit and **Significant Permit Revision** public notices must include all items in this list.

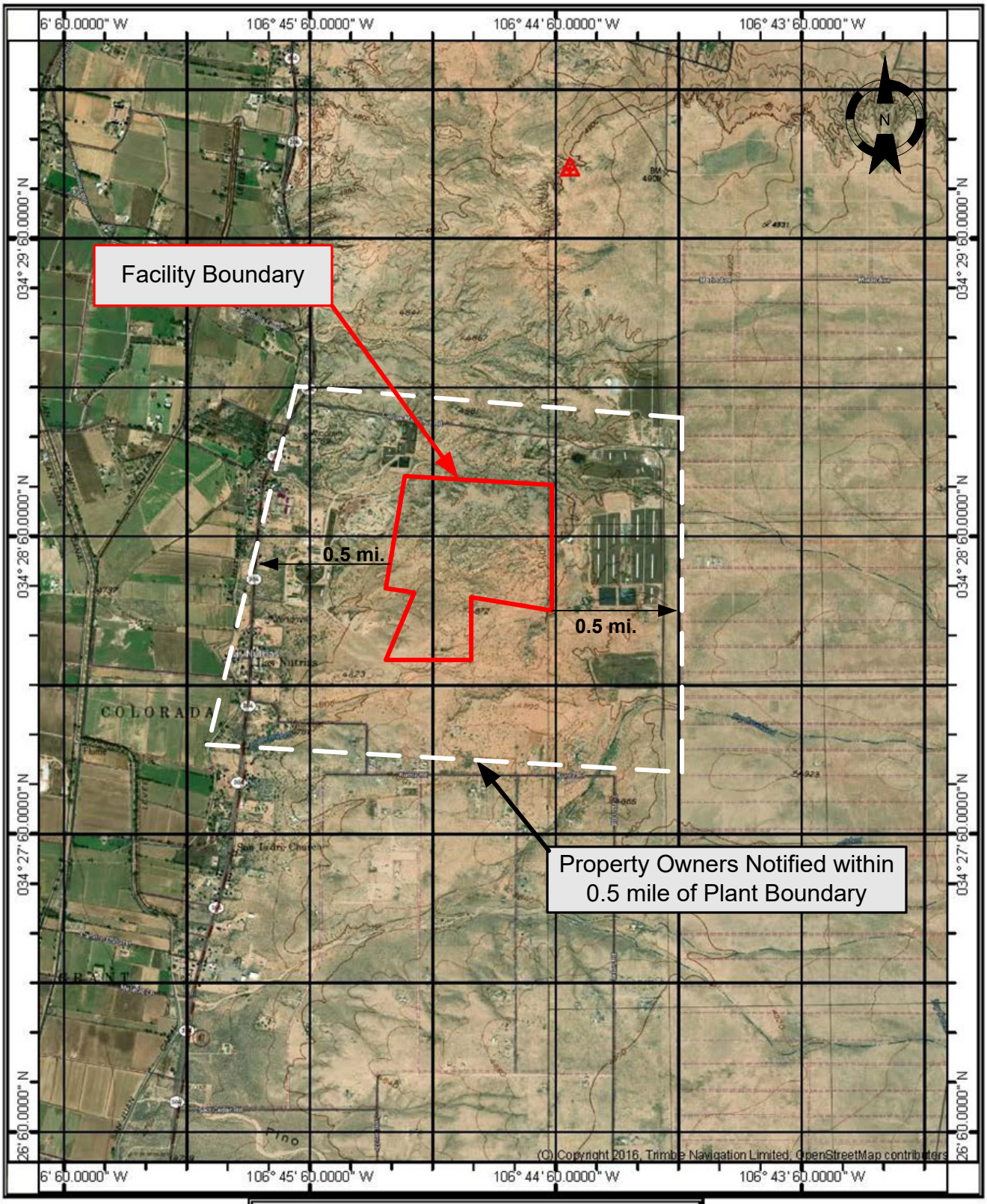
Technical Revision public notices require only items 1, 5, 9, and 10.

Per the Guidelines for Public Notification document mentioned above, include:

1. ☒ A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
2. ☒ A list of the places where the public notice has been posted in at least four publicly accessible and conspicuous places, including the proposed or existing facility entrance. (e.g: post office, library, grocery, etc.)
3. ☒ A copy of the property tax record (20.2.72.203.B NMAC).
4. ☒ A sample of the letters sent to the owners of record.
5. ☒ A sample of the letters sent to counties, municipalities, and Indian tribes.
6. ☒ A sample of the public notice posted and a verification of the local postings.
7. ☒ A table of the noticed citizens, counties, municipalities and tribes and to whom the notices were sent in each group.
8. ☒ A copy of the public service announcement (PSA) sent to a local radio station and documentary proof of submittal.
9. ☒ A copy of the classified or legal ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
10. ☒ A copy of the display ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
11. ☒ A map with a graphic scale showing the facility boundary and the surrounding area in which owners of record were notified by mail. This is necessary for verification that the correct facility boundary was used in determining distance for notifying land owners of record.

Newspaper:
El Defensor Chieftain (Socorro)

Published on Thursday April 22, 2021.
See affidavits of publication attached to this Section.



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Mile

ALLIANT ENVIRONMENTAL, LLC			**Area Map**	**Castillo Sand and Gravel**		
Scale: **1:30,000**	Drawn by: MDF	Date: 9/8/2020	**Veguita South Crusher Plant** N 34° 28' 54.17" Latitude W -106° 45' 19.42" Longitude	Project No.: 098-002	File Name: **Veguita South Area Maps**	Figure: Section 9
	Chk'd by:	Date:				

NOTICE

Castillo Prestress announces its application to the New Mexico Environment Department for an air quality permit of its proposed **Veguita South Crusher Plant.** The expected date of application submittal to the Air Quality Bureau is **April 30, 2021.** The exact location for the proposed facility is at latitude **34** deg, **28** min, **54.17** sec and longitude **-106** deg, **45** min, **19.42** sec. The approximate location of this facility is **13** miles south of Belen in Socorro County, New Mexico

The proposed **construction** consists of a Crusher Plant including bins, bin feeders, conveyors, truck loading and hauling, crushers, storage piles and screens.

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	3.4 pph	6.0 tpy
PM_{10}	3.4 pph	6.0 tpy
$PM_{2.5}$	0.5 pph	0.9 tpy
Sulfur Dioxide (SO_2)	n/a pph	n/a tpy
Nitrogen Oxides (NO_x)	n/a pph	n/a tpy
Carbon Monoxide (CO)	n/a pph	n/a tpy
Volatile Organic Compounds (VOC)	n/a pph	n/a tpy
Total sum of all Hazardous Air Pollutants (HAPs)	n/a pph	n/a tpy
Toxic Air Pollutant (TAP)	n/a pph	n/a tpy
Green House Gas Emissions as Total CO_2e	n/a	n/a tpy

The standard and maximum operating schedules of the facility will be 12 hour a day, 6 days a week and a maximum of 52 weeks per year. The owner and/or operator of the Facility is: **Castillo Prestress, PO Box 640, Belen, NM 87002.**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

With your comments, please refer to the company name and facility name, or send a copy of this notice along with your comments. This information is necessary since the Department may have not yet received the permit application. Please include a legible return mailing address. Once the Department has completed its preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-5557.

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Kristine Yurdin, Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

NOTICE

Castillo [illegible]ss
its appli[illegible]
ico Envir[illegible]
for an air [illegible]
proposed Veguita [illegible]
Crusher Plant. The expected date of application submittal to the Air Quality Bureau is April 16, 2021. The exact location for the proposed facility is at latitude 34 deg, 28 min, 54.17 sec and longitude -106 deg, 45 min, 19.42 sec. The approximate location of this facility is 13 miles south of Belen in Socorro County, New Mexico

The proposed construction consists of a Crusher Plant including bins, bin feeders, conveyors, truck loading and hauling, crushers, storage piles and screens.

Pollutant: Pounds per hour Tons per year

Total Suspended Particulates (TSP)	3.4 pph	6.0 tpy
PM10	3.4 pph	6.0 tpy
PM 2.5	0.5 pph	0.9 tpy
Sulfur Dioxide (SO2)	n/a pph	n/a tpy
Nitrogen Oxides (NOx)	n/a pph	n/a tpy
Carbon Monoxide (CO)	n/a pph	n/a tpy
VolatileOrganicCompounds (VOC)	n/a pph	n/a tpy
Total sum of all Hazardous Air Pollutants (HAPs)	n/a pph	n/a tpy
Toxic Air Pollutant (TAP)	n/a pph	n/a tpy
Green House Gas Emissions as Total CO2e	n/a	n/a tpy

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https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

Published in the El Defensor Chieftain on April 22, 2021

AFFIDAVIT of PUBLICATION

Clara Garcia, being first duly sworn, deposes and says that she is Executive Editor of the ***El Defensor Chieftain,*** printed and published each week in the County of Socorro, State of New Mexico, and of general circulation in the city of Socorro, County of Socorro, State of New Mexico and elsewhere, and the hereto attached

'E OF NEW MEXICO)
:SS
NTY OF SOCORRO)

was printed and published correctly in the regular and entire issue of said ***EL DEFENSOR CHIEFTAIN*** for 1 issue(s), that the first was made on the 22 day of April, 2021 and subsequent publications being:

Legal & General ads

Request of ***EL DEFENSOR CHIEFTAIN***

By:
Affiant

Subscribed and sworn to me this 22 day of April, 2021
in the County of Socorro, State of New Mexico.

Notary Public

Notary Public in and for the County of Socorro, State of New Mexico
My Commission Expires: 3/8/23

Seal

OFFICIAL SEAL
Denise R. Ortega
NOTARY PUBLIC - State of New Mexico
My Commission Expires _____

Account Number: 1076008 Ad Number: 0005144243

Price: $213.23 (Statement to come at end of month)
$425.08

Legal Notices-Non-government

Story by El Defensor Chieftain | Apr 22, 2021 | Legals

|

NOTICE

Castillo Prestress announces its application to the New Mexico Environment Department for an air quality permit of its proposed Veguita South Crusher Plant. The expected date of application

location for the proposed facility is at latitude 34 deg, 28 min, 54.17 sec and longitude -106 deg, 45 min, 19.42 sec. The approximate location of this facility is 13 miles south of Belen in Socorro County, New Mexico

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n/a pph n/a tpy
Green House Gas Emissions as Total CO2e
n/a n/a tpy

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1 800 224-7009;

Outbreak of COVID-19 cases in Socorro
April 22, 2021 (983)

Missing Endangered Person Advisory– Socorro County…
April 20, 2021 (896)

Seven apply for Seventh District bench
April 8, 2021 (778)

Lena Chavez has helped Socorro County in multiple capacities
April 1, 2021 (531)

County defines animal control officer position
April 1, 2021 (498)

Update on SEC vs. City of Socorro lawsuit
April 15, 2021 (480)

Back to Yellow due to increased infections
April 21, 2021 (467)

Socorro runs past Dexter 48–14 in bowl game
April 8, 2021 (418)

Other comments and questions may be submitted verbally.

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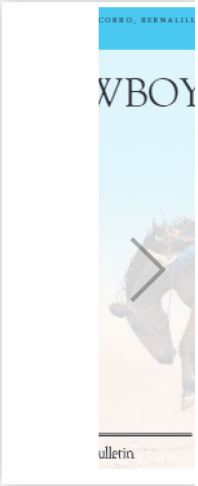
You may also visit our website at



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to learn how and where to file a complaint of discrimination.

Published in the El Defensor Chieftain on April 22, 2021

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Missing Endangered Person Advisory–Socorro County Sheriff's Office-Dennis Torgersen

Former Tech president now Western regent

Construction on California Street

State offers rental and utility assistance

ALBUQUERQUE JOURNAL THE SUNDAY JOURNAL

ALBUQUERQUE PUBLISHING COMPANY
7777 Jefferson St. NE, Albuquerque, NM 87109

Payment Receipt

Wednesday, April 14, 2021

Transaction Type:	Payment
Order Number:	0001514242
Payment Method:	Credit Card
Bad Debt:	-
Credit Card Number:	xxxxxxxxxx2171
Credit Card Expire Date:	12/28/2024
Payment Amount:	425.08
Reference Number:	128724
Charge to Company:	**Albuquerque Publishing Company**
Category:	ROB
Credit to Transaction Number:	P287550
Invoice Text:	
Invoice Notes:	

Customer Type:	Local Commercial
Customer Category:	Taxable
Customer Status:	
Customer Group:	Default
Customer Trade:	
Account Number:	1076008
Phone Number:	5053853407
Company / Individual:	**Company**
Customer Name:	ALLIANT ENVIRONMENTAL, LLC
Customer Address:	7804 PAN AMERICAN FWY. NE, SUITE 5
	ALBUQUERQUE NM 87109 USA
Check Number:	
Routing Number:	

ALBUQUERQUE JOURNAL THE SUNDAY JOURNAL

ALBUQUERQUE PUBLISHING COMPANY
7777 Jefferson St. NE, Albuquerque, NM 87109

Payment Receipt

Wednesday, April 14, 2021

Transaction Type:	Payment
Order Number:	0001514243
Payment Method:	Credit Card
Bad Debt:	-
Credit Card Number:	xxxxxxxxxx2171
Credit Card Expire Date:	12/28/2024
Payment Amount:	213.23
Reference Number:	167819
Charge to Company:	**Albuquerque Publishing Company**
Category:	Classified
Credit to Transaction Number:	P287552
Invoice Text:	
Invoice Notes:	

Customer Type:	Local Commercial
Customer Category:	Taxable
Customer Status:	
Customer Group:	Default
Customer Trade:	
Account Number:	1076008
Phone Number:	5053853407
Company / Individual:	**Company**
Customer Name:	ALLIANT ENVIRONMENTAL, LLC
Customer Address:	7804 PAN AMERICAN FWY. NE, SUITE 5
	ALBUQUERQUE NM 87109 USA
Check Number:	
Routing Number:	

Submittal of Public Service Announcement – Certification

I, Martin Schluep, the undersigned, certify that on **4/8/2021**, submitted a public service announcement to Belen radio station "**KBNM Eagle 98.7 FM**" that serves the **City of Belen, Socorro County**, New Mexico, in which the source is located and that **KBNM Eagle 98.7 FM DID NOT RESPOND THAT IT WOULD AIR THE ANNOUNCEMENT on or around April 8, 2021.**

Signed this 8th day of April, 2021.

M. Schluep
Signature

4-8-2021
Date

Martin Schluep
Printed Name

Principal Consultant with Alliant Environmental, LLC
Title

4/8/2021

Public Service Announcement with KBNM Eagle 98.7 FM:

To Whom It May Concern:

Castillo Prestress would like to have the following public service announcement broadcasted via your radio station. Please contact me if you have any questions.

Castillo Prestress announces its application submittal to the New Mexico Environment Department for an air quality construction permit application for the proposed Veguita South Crusher Plant. The proposed crusher plant consists rock crushers, screens, conveyors, a sand and gravel wash plant, etc. The facility will be powered by line power. No generator engines are proposed at this facility.

The proposed facility will be located existing facility is located approximately 13 miles south of Belen in Socorro County, New Mexico.

The owner and operator of the facility is:

Castillo Prestress
PO Box 640
Belen, NM 87002-0640

If you have any comments about the proposed construction or operation of this facility, submit your comments in writing to:

Permit Programs Manager, New Mexico Environment Department, Air Quality Bureau, 525 Camino de los Marquez, Suite 1, Santa Fe, NM 87505-1816.

End of PSA.

Sincerely,

Martin R. Schluep
Alliant Environmental, LLC
7804 Pan American Fwy. NE, Suite 5
Albuquerque, NM 87109
505.205.4819

General Posting of Notices – Certification

I, Richard Castillo, the undersigned, certify that on **4/9/2021,** posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **City of Belen** in **Socorro County**, State of New Mexico on the following dates:

1. Facility Entrance: 4/9/2021
2. Belen Public Linrary: 4/9/2021
3. City of Belen City Hall: 4/9/2021
4. Belen USPS: 4/9/2021

Signed this 10 day of April, 2021.

Signature

4-10-21
Date

Richard C. Castillo
Printed Name

President
Title


STOP
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DFA
DAIRY FARMERS of AMERICA
Heraa, Inc
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Parcel No.	Name	Address			
R033317	MARGARET W PETITJEAN LIVING TRUST	525 Sand Hill Rd.	Scotts Valley	CA	95066
R014586	TABET, HERMAN & BETTY	407 S MESA RD	BELEN	NM	87002
R017572	PATRICIA L COIL REVOCABLE TRUST	5550 HARVEST HILL RD APT CE19	DALLAS	TX	75230
R017542	MONTANO, JEANNIE	P.O. BOX 343	VEGUITA	NM	87062
R017541	HANDLEY, RALPH C.	1134 HWY 304	VEGUITA	NM	87062
R017545	MARTINEZ, MITCHELL	PO BOX 481	CORRALES	NM	87048
R033364 R033365 R033366	NICHOLAUS, D. ALAN & RUTH B.	344 BIRKDALE RD.	LAKE BLUFF	IL	60044
R033362 R033361	CATTELL, HEATHER E. & MARY, ELAINE, ERIC, DOUGLAS, TODD	4960 SENTINEL DRIVE # 103	BETHESDA	MD	20816
R017543	TRAVOIS, LTD.	4721 SIERRA MADRE	EL PASO	TX	79904
R017463	THOMAS, NICANORA	PO BOX 693	VEGUITA	NM	87062
R017535 R017536	TORRES, CARLOS (ETUX)	1108 N.M. #304	VEGUITA	NM	87062
R033357	HENDERSON, EMMA	706 RESERVOIR	SOCORRO	NM	87801
R033318	MARTIN, BAUDELIA	8136 CORTE DE AGUILA	ALBUQUERQUE	NM	87120
R033360	CHAVEZ, RAMON TRILLO	PO BOX 290	VEGUITA	NM	87062
R033350 R033361 R033363 R014587 R033356 R033355 R017571 R017568 R017569 R017570	RL JONES HOLDINGS LLC	PO BOX 560	VEGUITA	NM	87062
R033313	HUBBART, GERALD WESLEY III	12401 EAGLE ROCK AVE NE	ALBUQUERQUE	NM	87122
R033316	HASENBECK, GENE	2005 ROLLING HILL DR	SANTA ROSA	CA	95404
R017532	DAVIS, LINDELL & LILLIAN	15450 OLD BANNING IDYLLWILD RD	BANNING	CA	92220
R017470	O'CONNOR, BRIAN & IVA ELLEN	1145 HWY 304	VEGUITA	NM	87062
R017540	GALLEGOS HARMONI S	1134 HIGHWAY 304	VEGUITA	NM	87062
R017537	BACA, MARK ANTHONY	PO BOX 95	BOSQUE	NM	87006
R033358	JOERGER, BERNARDINE A.; VERNOT, KATHLEEN	280 BEWLEY RD	HADDONFIELD	NJ	80333
R033354	BARELA, GILBERT & LIBBY	P.O. BOX 5	LA JOYA	NM	87028
R033359	LINN, LUCILLE	C/O MCKENZIE YAGER 2981 FARWEST AVE	MEDFORD	OR	97501
R033314 R033315	RETHERFORD, JEREMIAH	PO BOX 416	ORGAN	NM	88052
R033353 R033352	JARAMILLO, DALE	226 JARAMILLO LOOP	VEGUITA	NM	87062
R033319	HARNER, RUSSELL E. MD	C/O DAVID HARNER 34 TIMROD WAY	GREENVILLE	SC	29607
R017467	MILLENNIUM TRUST CO LLC CUSTODIAN FOR KIMBERLY SYRA TRADITIONAL IRA	2001 SPRING ROAD SUITE 700	OAK BROOK	IL	60523
R017667	BACA ELAINE C	1068A HWY. 304	VEGUITA	NM	87062
R033367	LANDIS, WILLIS H. & IRENE A.	PO BOX 194	NORTH JUDSON	IN	46366
R017464	RODRIGUEZ CHRISTOPHER JR	PO BOX 207	VEGUITA	NM	87062
R017538	BRIDGMAN ANTHONY R & EMILY R MCCOY-BRIDGMAN	1121 HIGHWAY 304	VEGUITA	NM	87062
R017669	BACA, ROBERT & BACA, BERNADINE	1068 HWY. 304	VEGUITA	NM	87062
R017465	CHAVEZ, JOSEPHINE C.	P O BOX 473	VEGUITA	NM	87062
	City of Belen, Dorothy Flores, City Clerk	100 S. Main Street	Belen	NM	87002
	Socorro County Manager, Michael Hawkes	PO Box I, 210 Park Street	Socorro	NM	87801

April 27, 2021

To Whom It May Concern:

Castillo Prestress announces its application to the New Mexico Environment Department for an air quality permit for the **Veguita South Crusher Plant.** The expected date of application submittal to the Air Quality Bureau is **April 30, 2021.** The exact location for the proposed facility is at latitude **34** deg, **28** min, **54.17** sec and longitude **-106** deg, **45** min, **19.42** sec. The approximate location of this facility is **13** miles south of Belen in Socorro County, New Mexico

The proposed **construction** consists of a Crusher Plant including bins, bin feeders, conveyors, truck loading and hauling, crushers, storage piles and screens.

Pollutant:	Pounds per hour	Tons per year
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Belen, NM 87002

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0977 02

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04/28/2021
RIO RANCHO POST OFFICE EXPRESS
USPS RIO RANCHO NM 87144

Sent To: Tabet Herman & Betty
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City, State, ZIP+4®: Belen, NM 87002

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Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
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Postage	$0.55
Total Postage and Fees	$4.15

0977 02

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APR 28 2021
04/28/2021
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USPS RIO RANCHO NM 87144

Sent To: Carlos Torres
Street and Apt. No., or PO Box No.: 1108 N.M. #304
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0977 02

Postmark Here
APR 28 2021
04/28/2021
RIO RANCHO POST OFFICE EXPRESS
USPS RIO RANCHO NM 87144

Sent To: Ralph C. Handley
Street and Apt. No., or PO Box No.: 1134 Hwy 304
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1830 0000 0662 4161

U.S. Postal Service™
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Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0977 02

Postmark Here
APR 28 2021
04/28/2021
RIO RANCHO POST OFFICE EXPRESS
USPS RIO RANCHO NM 87144

Sent To: Thomas Nicanora
Street and Apt. No., or PO Box No.: P.O. Box 693
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1830 0000 0662 4154

U.S. Postal Service™
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El Paso, TX 79904

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0977 02

Postmark Here
APR 28 2021
04/28/2021
RIO RANCHO POST OFFICE EXPRESS
USPS RIO RANCHO NM 87144

Sent To: Travois, Ltd.
Street and Apt. No., or PO Box No.: 472 Sierra Madre
City, State, ZIP+4®: El Paso, TX 79904

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1830 0000 0662 4109

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Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0977 02

Postmark Here
APR 28 2021
04/28/2021
RIO RANCHO POST OFFICE EXPRESS
USPS RIO RANCHO NM 87144

Sent To: Jeannie Montano
Street and Apt. No., or PO Box No.: P.O. Box 343
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2947

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For delivery information, visit our website at *www.usps.com®*.
Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124
05

USPS RIO RANCHO STATION
RIO RANCHO NM 87124
Postmark Here
APR 28 2021
04/28/2021

Sent To: Brian & Eva O'Connor
Street and Apt. No., or PO Box No.: 1145 Highway 304
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2930

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124
05

USPS RIO RANCHO STATION
RIO RANCHO NM 87124
Postmark Here
APR 28 2021
04/28/2021

Sent To: Harmoni Gallegos
Street and Apt. No., or PO Box No.: 1154 Highway 304
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2879

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Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124
05

USPS RIO RANCHO STATION
RIO RANCHO NM 87124
Postmark Here
APR 28 2021
04/28/2021

Sent To: Dale Jaramillo
Street and Apt. No., or PO Box No.: 226 Jaramillo Loop
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2848

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Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124
05

USPS RIO RANCHO STATION
RIO RANCHO NM 87124
Postmark Here
APR 28 2021
04/28/2021

Sent To: Elaine Baca
Street and Apt. No., or PO Box No.: 1068A Highway 304
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2824

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Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124
05

USPS RIO RANCHO STATION
RIO RANCHO NM 87124
Postmark Here
APR 28 2021
04/28/2021

Sent To: Chris Rodriguez
Street and Apt. No., or PO Box No.: P.O. Box 207
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2817

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For delivery information, visit our website at *www.usps.com®*.
Vesuita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124
05

USPS RIO RANCHO STATION
RIO RANCHO NM 87124
Postmark Here
APR 28 2021
04/28/2021

Sent To: A. + E. Bridgman
Street and Apt. No., or PO Box No.: 112 Highway 304
City, State, ZIP+4®: Vesuita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2800

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Vegurita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05

USPS RIO RANCHO STATION APR 28 2021 Postmark Here RIO RANCHO NM 87124

04/28/2021

Sent To: Robert & Bernadine Baca
Street and Apt. No., or PO Box No.: 1068 Highway 304
City, State, ZIP+4®: Vegurita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2794

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Vegurita, NM 87062

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05

USPS RIO RANCHO STATION Postmark Here APR 28 2021 RIO RANCHO NM 87124

04/28/2021

Sent To: Josephine Chavez
Street and Apt. No., or PO Box No.: P.O. BOX 473
City, State, ZIP+4®: Vegurita, NM 87062

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2916

U.S. Postal Service™
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Haddonfield, NJ 08033

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05

USPS RIO RANCHO STATION Postmark Here APR 28 2021 RIO RANCHO NM 87124

04/28/2021

Sent To: B. Joerger, Kathleen Vernot
Street and Apt. No., or PO Box No.: 280 Bewley Rd.
City, State, ZIP+4®: Haddonville, NJ 80333

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2862

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

Greenville, SC 29607

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05

USPS RIO RANCHO STATION Postmark Here APR 28 2021 RIO RANCHO NM 87124

04/28/2021

Sent To: Russell Harner c/o David Harner
Street and Apt. No., or PO Box No.: 34 Timrod Way
City, State, ZIP+4®: Greenville, SC 29607

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2831

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

North Judson, IN 46366

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05

USPS RIO RANCHO STATION Postmark Here APR 28 2021 RIO RANCHO NM 87124

04/28/2021

Sent To: Willis & Irene Landis
Street and Apt. No., or PO Box No.: P.O. Box 194
City, State, ZIP+4®: North Judson, IN 46366

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2855

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

Oak Brook, IL 60523

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05

USPS RIO RANCHO STATION Postmark Here APR 28 2021 RIO RANCHO NM 87124

04/28/2021

Sent To: Millenium Trust Co., LLC
Street and Apt. No., or PO Box No.: 2001 Spring Road, Ste. 700
City, State, ZIP+4®: Oak Brook, IL 60523

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2961

U.S. Postal Service™
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Santa Rosa, CA 95404

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124 05

USPS RIO RANCHO STATION APR 2 87124 NM
Postmark Here
04/28/2021
RIO RANCHO NM

Sent To: Gene Hasenbeck
Street and Apt. No., or PO Box No.: 2005 Rolling Hill Dr.
City, State, ZIP+4®: Santa Rosa, CA 95404

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2954

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For delivery information, visit our website at *www.usps.com®*.

Banning, CA 92220

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124 05

RIO RANCHO STATION 87124 NM
Postmark Here
04/28/2021
USPS RIO RANCHO NM

Sent To: Lindell & Lillian Davis
Street and Apt. No., or PO Box No.: 15450 Old Banning Idyllwild Rd.
City, State, ZIP+4®: Banning, CA 92220

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2893

U.S. Postal Service™
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Medford, OR 97501

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124 05

USPS RIO RANCHO STATION APR 2 87124 NM
Postmark Here
04/28/2021
RIO RANCHO NM

Sent To: Lucille Linn c/o McKenzie Yager
Street and Apt. No., or PO Box No.: 2981 Farwest Ave.
City, State, ZIP+4®: Medford, OR 97501

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2909

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

La Joya, NM 87028

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124 05

USPS RIO RANCHO STATION APR 2 87124 NM
Postmark Here
04/28/2021
RIO RANCHO NM

Sent To: Gilbert & Libby Barela
Street and Apt. No., or PO Box No.: P.O. Box 5
City, State, ZIP+4®: La Joya, NM 87028

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2886

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

Organ, NM 88052

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124 05

USPS RIO RANCHO STATION APR 2 87124 NM
Postmark Here
04/28/2021
RIO RANCHO NM

Sent To: Jeremiah Retherford
Street and Apt. No., or PO Box No.: P.O. Box 416
City, State, ZIP+4®: Organ, NM 88052

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2923

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

Bosque, NM 87006

OFFICIAL USE

Certified Mail Fee	$3.60
$	$0.00
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$ $0.00
☐ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
$	
Total Postage and Fees	$4.15
$	

0124 05

RIO RANCHO STATION 87124 NM
Postmark Here
04/28/2021
RIO RANCHO NM

Sent To: Mark Baca
Street and Apt. No., or PO Box No.: P.O. Box 95
City, State, ZIP+4®: Bosque, NM 87006

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2787

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

Belen, NM 87002

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05
USPS RIO RANCHO STATION RIO RANCHO NM 87124
2021
Postmark Here
04/28/2021

Sent To: Dorothy Flores, City Clerk, City of Belen
Street and Apt. No., or PO Box No.: 100 S. Main Street
City, State, ZIP+4®: Belen, NM 87002

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2770

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

Socorro, NM 87801

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05
USPS RIO RANCHO STATION RIO RANCHO NM 87124
APR 28 2021
Postmark Here
04/28/2021

Sent To: Socorro County Manager, M. Hawkes
Street and Apt. No., or PO Box No.: P.O. Box 1, 210 Park Street
City, State, ZIP+4®: Socorro, NM 87801

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 3005

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

Albuquerque, NM 87120

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

0124 05
USPS RIO RANCHO STATION RIO RANCHO NM 87124
28 2021
Postmark Here
04/28/2021

Sent To: Martin Bandelia
Street and Apt. No., or PO Box No.: 8136 Corte de Aguila
City, State, ZIP+4®: Albuquerque, NM 87120

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7019 0700 0001 4973 2978

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

Albuquerque, NM 87122

OFFICIAL USE

Certified Mail Fee	$3.60
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.55
Total Postage and Fees	$4.15

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28 2021
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City, State, ZIP+4®: Albuquerque, NM 87122

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Street and Apt. No., or PO Box No.: P.O. BOX 560
City, State, ZIP+4®: Veguita, NM 87062

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☐ Adult Signature Restricted Delivery	$
Postage	$0.55
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0977 02

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APR 28 2021
RIO RANCHO POST OFFICE EXPRESS
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Sent To: Patricia L. Coil Revocable Trust
Street and Apt. No., or PO Box No.: 5550 Harvest Hill Rd., Apt. CE19
City, State, ZIP+4®: Dallas, TX 75230

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Bethesda, MD 20816

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Total Postage and Fees	$4.15

0977 02

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APR 28 2021
USPS RIO RANCHO NM 87144
04/28/2021

Sent To: Cattell, Heather, Mary, Elaine, Eric, Todd, Ky
Street and Apt. No., or PO Box No.: 4960 Sentinel Drive #103
City, State, ZIP+4®: Bethesda, MD 20816

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 1830 0000 0662 4130

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Sent To: Alan & Ruth Nicholaus
Street and Apt. No., or PO Box No.: 344 Birkdale Rd.
City, State, ZIP+4®: Lake Bluff, IL 60044

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Scotts Valley, CA 95066

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APR 28 2021
RIO RANCHO POST OFFICE EXPRESS
USPS RIO RANCHO NM 87144
04/28/2021

Sent To: Margaret W. Petit Jean Living Trust
Street and Apt. No., or PO Box No.: 525 Sandhill Rd.
City, State, ZIP+4®: Scotts Valley, CA 95066

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APR 28 2021
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USPS RIO RANCHO NM 87144
04/28/2021

Sent To: Emma Henderson
Street and Apt. No., or PO Box No.: 706 Reservoir
City, State, ZIP+4®: Socorro, NM 87801

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Corrales, NM 87048

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Postage	$0.55
Total Postage and Fees	$4.15

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APR 28 2021
USPS RIO RANCHO NM 87144
04/28/2021

Sent To: Mitchel Martinez
Street and Apt. No., or PO Box No.: P.O. Box 481
City, State, ZIP+4®: Corrales, NM 87048

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Radio (PSA):

On **4/8/2021**, a public service announcement to Belen radio station "**KBNM Eagle 98.7 FM**" that serves the **City of Belen, Socorro County**, New Mexico, in which the source is located was submitted. **KBNM Eagle 98.7 FM DID NOT RESPOND WHETHER IT WOULD AIR THE ANNOUNCEMENT OR NOT on or around April 8, 2021.**

Postings:

- Plant Entrance
- Belen Public Library
- City of Belen, City Hall
- Belen Post Office (USPS)

See Attached List of Surrounding Land Owners Public Notice List (Letters Sent)

Section 10

Written Description of the Routine Operations of the Facility

---

A written description of the routine operations of the facility. Include a description of how each piece of equipment will be operated, how controls will be used, and the fate of both the products and waste generated. For modifications and/or revisions, explain how the changes will affect the existing process. In a separate paragraph describe the major process bottlenecks that limit production. The purpose of this description is to provide sufficient information about plant operations for the permit writer to determine appropriate emission sources.

Castillo Prestress will operate the Veguita South Crusher Plant, which is a sand/gravel/rock (aggregate) crushing facility consisting of feeders, deck screens, crushers, a wash plant and conveyors. The facility will be permitted to operate with a production limit of 300 tons per hour and 1,314,000 tons per year. The requested annual hours of operation are 3,744 hours per year. The daily and maximum operating hours and schedule are from 6 am to 6 pm 6 days a week and 52 weeks per year.

A front-end loader dumps aggregate into the feeder/surge bin and directly into the jaw crusher. From the feeder, material is transferred by conveyor to a deck screen. The usable material is then transferred via conveyor to the cone crusher. The crushed material is then transferred via conveyor to another screen. The screened material (various sizes) is then transferred via conveyor to the stock piles. Material is transported off site by trucks. Fugitive dust generated during aggregate processing will be controlled by the inherent moisture content of the material and water spray bars. The plant is powered by line power.

Section 11
Source Determination

Source submitting under 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC

Sources applying for a construction permit, PSD permit, or operating permit shall evaluate surrounding and/or associated sources (including those sources directly connected to this source for business reasons) and complete this section. Responses to the following questions shall be consistent with the Air Quality Bureau's permitting guidance, Single Source Determination Guidance, which may be found on the Applications Page in the Permitting Section of the Air Quality Bureau website.

Typically, buildings, structures, installations, or facilities that have the same SIC code, that are under common ownership or control, and that are contiguous or adjacent constitute a single stationary source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes. Submission of your analysis of these factors in support of the responses below is optional, unless requested by NMED.

A. Identify the emission sources evaluated in this section (list and describe)**:**

B. Apply the 3 criteria for determining a single source:

SIC Code: Surrounding or associated sources belong to the same 2-digit industrial grouping (2-digit SIC code) as this facility, OR surrounding or associated sources that belong to different 2-digit SIC codes are support facilities for this source.

☒ **Yes** ☐ **No**

Common Ownership or Control: Surrounding or associated sources are under common ownership or control as this source.

☒ **Yes** ☐ **No**

Contiguous or Adjacent: Surrounding or associated sources are contiguous or adjacent with this source.

☒ **Yes** ☐ **No**

C. Make a determination:

☒ The source, as described in this application, constitutes the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes. If in "A" above you evaluated only the source that is the subject of this application, all "**YES**" boxes should be checked. If in "A" above you evaluated other sources as well, you must check **AT LEAST ONE** of the boxes "**NO**" to conclude that the source, as described in the application, is the entire source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes.

☐ The source, as described in this application, **does not** constitute the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes (A permit may be issued for a portion of a source). The entire source consists of the following facilities or emissions sources (list and describe):

Section 12

Section 12.A
PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

A PSD applicability determination for all sources. For sources applying for a significant permit revision, apply the applicable requirements of 20.2.74.AG and 20.2.74.200 NMAC and to determine whether this facility is a major or minor PSD source, and whether this modification is a major or a minor PSD modification. It may be helpful to refer to the procedures for Determining the Net Emissions Change at a Source as specified by Table A-5 (Page A.45) of the EPA New Source Review Workshop Manual to determine if the revision is subject to PSD review.

A. This facility is:

- ☒ **a minor PSD source before and after this modification (if so, delete C and D below).**
- ☐ **a major PSD source before this modification. This modification will make this a PSD minor source.**
- ☐ **an existing PSD Major Source that has never had a major modification requiring a BACT analysis.**
- ☐ **an existing PSD Major Source that has had a major modification requiring a BACT analysis**
- ☐ **a new PSD Major Source after this modification.**

B. **This facility is not one of the listed 20.2.74.501 Table I – PSD Source Categories. The "project" emissions** for this modification are **not significant as they are below PSD significant emission rates listed in Table 2 of 20.2.74.502 NMAC. The "project" emissions listed below do only result from changes described in this permit application, thus no emissions from other [revisions or modifications, past or future] to this facility. This project does not result in "de-bottlenecking", or other associated emissions resulting in higher emissions. The project emissions (before netting) for this project are as follows [see Table 2 in 20.2.74.502 NMAC for a complete list of significance levels]:**

a. **NOx: N/A TPY**
b. **CO: N/A TPY**
c. **VOC: N/A TPY**
d. **SOx: N/A TPY**
e. **PM: N/A TPY**
f. **PM10: 6.3 TPY**
g. **PM2.5: 0.9 TPY**
h. **Fluorides: N/A TPY**
i. **Lead: N/A TPY**
j. **Sulfur compounds (listed in Table 2): N/A TPY**
k. **GHG: N/A TPY**

C. **Netting is not required (project is not significant).**

D. **BACT** is **not required for this modification, as this application is a minor modification.**

E. If this is an existing PSD major source, or any facility with emissions greater than 250 TPY (or 100 TPY for 20.2.74.501 Table 1 – PSD Source Categories), determine whether any permit modifications are related, or could be considered a single project with this action, and provide an explanation for your determination whether a PSD modification is triggered.

Not applicable as this is site is not an existing PSD major source and does not have emissions greater than 250 TPY.

Section 12.B
Special Requirements for a PSD Application

(Submitting under 20.2.74 NMAC)

Prior *to Submitting a PSD application*, the permittee shall:

- ☐ Submit the BACT analysis for review prior to submittal of the application. No application will be ruled complete until the final determination regarding BACT is made, as this determination can ultimately affect information to be provided in the application. A pre-application meeting is recommended to discuss the requirements of the BACT analysis.
- ☐ Submit a modeling protocol prior to submitting the permit application. **[Except for GHG]**
- ☐ Submit the monitoring exemption analysis protocol prior to submitting the application. **[Except for GHG]**

For PSD applications, the permittee shall also include the following:

- ☐ Documentation containing an analysis on the impact on visibility. **[Except for GHG]**
- ☐ Documentation containing an analysis on the impact on soil. **[Except for GHG]**
- ☐ Documentation containing an analysis on the impact on vegetation, including state and federal threatened and endangered species. **[Except for GHG]**
- ☐ Documentation containing an analysis on the impact on water consumption and quality. **[Except for GHG]**
- ☐ Documentation that the federal land manager of a Class I area within 100 km of the site has been notified and provided a copy of the application, including the BACT and modeling results. The name of any Class I Federal area located within one hundred (100) kilometers of the facility.

This section is not applicable.

Section 13

Determination of State & Federal Air Quality Regulations

This section lists each state and federal air quality regulation that may apply to your facility and/or equipment that are stationary sources of regulated air pollutants.

Not all state and federal air quality regulations are included in this list. Go to the Code of Federal Regulations (CFR) or to the Air Quality Bureau's regulation page to see the full set of air quality regulations.

Required Information for Specific Equipment:
For regulations that apply to specific source types, in the 'Justification' column **provide any information needed to determine if the regulation does or does not apply**. **For example**, to determine if emissions standards at 40 CFR 60, Subpart IIII apply to your three identical stationary engines, we need to know the construction date as defined in that regulation; the manufacturer date; the date of reconstruction or modification, if any; if they are or are not fire pump engines; if they are or are not emergency engines as defined in that regulation; their site ratings; and the cylinder displacement.

Required Information for Regulations that Apply to the Entire Facility:
See instructions in the 'Justification' column for the information that is needed to determine if an 'Entire Facility' type of regulation applies (e.g. 20.2.70 or 20.2.73 NMAC).

Regulatory Citations for Regulations That Do Not, but Could Apply:
If there is a state or federal air quality regulation that does not apply, but you have a piece of equipment in a source category for which a regulation has been promulgated, you must **provide the low level regulatory citation showing why your piece of equipment is not subject to or exempt from the regulation. For example** if you have a stationary internal combustion engine that is not subject to 40 CFR 63, Subpart ZZZZ because it is an existing 2 stroke lean burn stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, your citation would be 40 CFR 63.6590(b)(3)(i). **We don't want a discussion of every non-applicable regulation, but if it is possible a regulation could apply, explain why it does not. For example,** if your facility is a power plant, you do not need to include a citation to show that 40 CFR 60, Subpart OOO does not apply to your non-existent rock crusher.

Regulatory Citations for Emission Standards:
For each unit that is subject to an emission standard in a source specific regulation, such as 40 CFR 60, Subpart OOO or 40 CFR 63, Subpart HH, include the low level regulatory citation of that emission standard. Emission standards can be numerical emission limits, work practice standards, or other requirements such as maintenance. **Here are examples:** a glycol dehydrator is subject to the general standards at 63.764C(1)(i) through (iii); an engine is subject to 63.6601, Tables 2a and 2b; a crusher is subject to 60.672(b), Table 3 and all transfer points are subject to 60.672(e)(1)

Federally Enforceable Conditions:
All federal regulations are federally enforceable. All Air Quality Bureau State regulations are federally enforceable except for the following: affirmative defense portions at 20.2.7.6.B, 20.2.7.110(B)(15), 20.2.7.11 through 20.2.7.113, 20.2.7.115, and 20.2.7.116; 20.2.37; 20.2.42; 20.2.43; 20.2.62; 20.2.63; 20.2.86; 20.2.89; and 20.2.90 NMAC. Federally enforceable means that EPA can enforce the regulation as well as the Air Quality Bureau and federally enforceable regulations can count toward determining a facility's potential to emit (PTE) for the Title V, PSD, and nonattainment permit regulations.

INCLUDE ANY OTHER INFORMATION NEEDED TO COMPLETE AN APPLICABILITY DETERMINATION OR THAT IS RELEVENT TO YOUR FACILITY'S NOTICE OF INTENT OR PERMIT.

EPA Applicability Determination Index for 40 CFR 60, 61, 63, etc: http://cfpub.epa.gov/adi/

Table for STATE REGULATIONS:

STATE REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. 20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Title V applications, see exemption at 20.2.3.9 NMAC The TSP NM ambient air quality standard was repealed by the EIB effective November 30, 2018. **Air dispersion modeling was performed for this project to show compliance with the NMAAQS. See form UA4 for a discussion and the results of the air dispersion modeling.**
20.2.7 NMAC	Excess Emissions	Yes	Facility	If subject, this would normally apply to the entire facility. If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies. This would not apply to Notices of Intent since these are not permits.
20.2.23 NMAC	Fugitive Dust Control	No	Facility	This regulation may apply if, this is an application for a notice of intent (NOI) per 20.2.73 NMAC, if the activity or facility is a fugitive dust source listed at 20.2.23.108.A NMAC, **and** if the activity or facility is located in an area subject to a mitigation plan pursuant to 40 CFR 51.930. http://164.64.110.134/parts/title20/20.002.0023.html As of January 2019, the only areas of the State subject to a mitigation plan per 40 CFR 51.930 are in Doña Ana and Luna Counties. Sources exempt from 20.2.23 NMAC are activities and facilities subject to a permit issued pursuant to the NM Air Quality Control Act, the Mining Act, or the Surface Mining Act (20.2.23.108.B NMAC. **20.2.23.108 APPLICABILITY:** **A.** This part shall apply to persons owning or operating the following fugitive dust sources in areas requiring a mitigation plan in accordance with 40 CFR Part 51.930: **(1)** disturbed surface areas or inactive disturbed surface areas, or a combination thereof, encompassing an area equal to or greater than one acre; **(2)** any commercial or industrial bulk material processing, handling, transport or storage operations. **B.** The following fugitive dust sources are exempt from this part: **(1)** agricultural facilities, as defined in this part; **(2)** roadways, as defined in this part; **(3)** operations issued permits pursuant to the state of New Mexico Air Quality Control Act, Mining Act or Surface Mining Act; and **(4)** lands used for state or federal military activities. [20.2.23.108 NMAC - N, 01/01/2019]
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	N/A	Facility	**This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers.** **Choose all that apply:** This facility has new gas burning equipment **(external combustion emission sources, such as gas fired boilers and heaters)** having a heat input of greater than 1,000,000 million British Thermal Units per year per unit This facility has existing gas burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit

STATE REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				Note: "New gas burning equipment" means gas burning equipment, the construction or modification of which is commenced after February 17, 1972.
20.2.34 NMAC	Oil Burning Equipment: NO_2	N/A	Facility	**This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers.** This facility has oil burning equipment **(external combustion emission sources, such as oil fired boilers and heaters)** having a heat input of greater than 1,000,000 million British Thermal Units per year per unit.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	N/A	Facility	This regulation could apply to existing (prior to July 1, 1974) or new (on or after July 1, 1974) natural gas processing plants that use a Sulfur Recovery Unit to reduce sulfur emissions. **See 'Guidance and Clarification Regarding Applicability of 20.2.35 NMAC' located with the Air Quality Bureau's Permit Section website guidance documents.**
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	**These regulations were repealed by the Environmental Improvement Board. If you had equipment subject to 20.2.37 NMAC before the repeal, your combustion emission sources are now subject to 20.2.61 NMAC.**
20.2.38 NMAC	Hydrocarbon Storage Facility	N/A	Facility	This regulation could apply to storage tanks at petroleum production facilities, processing facilities, tanks batteries, or hydrocarbon storage facilities.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	N/A	Facility	This regulation could apply to sulfur recovery plants that are not part of petroleum or natural gas processing facilities.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	Facility	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares unless your equipment is subject to another state regulation that limits particulate matter such as 20.2.19 NMAC (see 20.2.61.109 NMAC). **If equipment at your facility was subject to the repealed regulation 20.2.37 NMAC it is now subject to 20.2.61 NMAC.**
20.2.70 NMAC	Operating Permits	N/A	Facility	If subject, this would normally apply to the entire facility. Applies if your facility's potential to emit (PTE) is 100 tpy or more of any regulated air pollutant other than HAPs; and/or a HAPs PTE of 10 tpy or more for a single HAP or 25 or more tpy for combined HAPs; is subject to a 20.2.79 NMAC nonattainment permit; or is a facility subject to a federal regulation that requires you to obtain a Title V permit such as landfills or air curtain incinerators. Include both stack and fugitive emissions to determine the HAP's PTE regardless of the facility type. If your facility is one of those listed at 20.2.70.7(2)(a) through (aa) state which source type your facility is and count both fugitive and stack emissions to determine your PTE. If your facility is not in this (a) through (aa) list, count only stack emissions to determine your PTE. Landfills and Air Curtain Incinerators are not Title V Major Sources, but it would apply pursuant to 20.2.70.200.B NMAC.
20.2.71 NMAC	Operating Permit Fees	N/A	Facility	If subject to 20.2.70 NMAC and your permit includes numerical ton per year emission limits, you are subject to 20.2.71 NMAC and normally applies to the entire facility.
20.2.72 NMAC	Construction Permits	Yes	Facility	If subject, this would normally apply to the entire facility. Could apply if your facility's potential emission rate (PER) is greater than 10 pph or greater than 25 tpy for any pollutant subject to a state or federal ambient air quality standard (does not include VOCs or HAPs); if the PER of lead is 5 tpy or more; if your facility is subject to 20.2.72.400 NMAC; or if you have equipment subject to 40 CFR 60 Subparts I and OOO, 40 CFR 61 Subparts C and D. Include both stack and fugitive emissions to determine PER.

STATE REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.73 NMAC	NOI & Emissions Inventory Requirements	No	Facility	Not applicable as this site is not subject to NOI requirements under 20.2.73.200 NMAC and/or Emissions Inventory Reporting under 20.2.73.300 NMAC. Note: Emissions Inventory Reporting could be required per 20.2.73.300 NMAC if your facility is subject to 20.2.73.200, 20.2.72, or emits more than 1 ton of lead or 10 tons of TSP, PM10, PM2.5, SOx, NOx CO, or VOCs in any calendar year.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	No	N/A	Not applicable as this site is not PSD major as defined by this rule.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This facility is subject to 20.2.72 NMAC and is in turn subject to 20.2.75 NMAC.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This is a stationary source which is subject to the requirements of 40 CFR Part 60.
20.2.78 NMAC	Emission Standards for HAPS	No	N/A	Not applicable as there is no equipment subject to the requirements of 40 CFR Part 61.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	Not applicable because the site is not located within a nonattainment area.
20.2.80 NMAC	Stack Heights	No	N/A	This facility has no stacks.
20.2.82 NMAC	MACT Standards for source categories of HAPS	No	Units Subject to 40 CFR 63	This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63.

Table for Applicable FEDERAL REGULATIONS:

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
40 CFR 50	NAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. This applies if you are subject to 20.2.70, 20.2.72, 20.2.74, and/or 20.2.79 NMAC.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	Applies if any other Subpart in 40 CFR 60 applies.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for **Electric Utility Steam Generating Units**	No	N/A	Not applicable as there are no electric steam generating units onsite.
NSPS 40 CFR60.40b Subpart Db	**Electric Utility Steam Generating Units**	No	N/A	Not applicable as there are no electric steam generating units onsite.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	Not applicable as there are no steam generating units onsite.
NSPS 40 CFR 60, Subpart Ka	Standards of Performance for **Storage Vessels for Petroleum Liquids** for which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and **Prior** to July 23, 1984	No	N/A	There are no storage tanks at this site.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for **Volatile Organic Liquid Storage Vessels** (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced **After** July 23, 1984	No	N/A	There are no storage tanks at this site.
NSPS 40 CFR 60.330 Subpart GG	**Stationary Gas Turbines**	No	N/A	There are no turbines at the site.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from **Onshore Gas Plants**	No	N/A	This site is not a gas plant.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for **Onshore Natural Gas Processing**: SO_2 Emissions	No	N/A	The facility is not a natural gas processing plant.
NSPS 40 CFR Part 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	Yes	Facility	This regulation is applicable to nonmetallic mineral processing plants, including each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Castillo Prestress will comply with any applicable requirements of Subpart OOO.
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or	No	N/A	The facility is not a natural gas processing plant.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
	Reconstruction Commenced After September 18, 2015			
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	The facility does not operate any engines.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	The facility does not operate any engines.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units			See 60.5508
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	See 60.5700
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	See 60.30c, 60.30f, 60.750, and/or 60.760
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	Applies if any other Subpart in 40 CFR 61 applies.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for **Mercury**	No	N/A	The provisions of this subpart are applicable to those stationary sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge
NESHAP 40 CFR 61 Subpart V	National Emission Standards for **Equipment Leaks** (Fugitive Emission Sources)	No	N/A	The provisions of this subpart apply to each of the following sources that are intended to operate in volatile hazardous air pollutant (VHAP) service: pumps, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, and control devices or systems required by this subpart. VHAP service means a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least 10 percent by weight of VHAP. VHAP means a substance regulated under this subpart for which a standard for equipment leaks of the substance has been promulgated. Benzene is a VHAP (See 40 CFR 61 Subpart J). Link to 40 CFR 61 Subpart V Note: If 40 CFR 60 also applies source only needs to comply with this part.
MACT 40 CFR 63, Subpart A	General Provisions	No	N/A	Applies if any other Subpart in 40 CFR 63 applies.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
MACT 40 CFR 63.760 Subpart HH	**Oil and Natural Gas Production Facilities**	No	N/A	This is not an oil and gas facility
MACT 40 CFR 63 Subpart HHH		No	N/A	This is not an oil and gas facility
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	The facility does not operate any boilers.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	See 63.9980 (known as the MATs rule) EPA Guidance Page: https://www.epa.gov/boilers
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (**RICE MACT**)	No	N/A	The facility does not operate any engines.
40 CFR 64	**Compliance Assurance Monitoring**	No	N/A	Not applicable as none of the emission units onsite are major in and of itself.
40 CFR 68	**Chemical**	No	N/A	This facility does not have more than a threshold

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
	Accident Prevention			quantity of a regulated substance subject to this regulation.
Title IV – Acid Rain 40 CFR 72	**Acid Rain**	No	N/A	This site does not meet the applicability requirements of 40 CFR 72.6.
Title IV – Acid Rain 40 CFR 73	**Sulfur Dioxide** Allowance Emissions	No	N/A	This site does not meet the applicability requirements of 40 CFR 73.2.
Title IV-Acid Rain 40 CFR 75	**Continuous Emissions Monitoring**	No	N/A	Does not apply as this site does not generates commercial electric power or electric power for sale.
Title IV – Acid Rain 40 CFR 76	**Acid Rain** Nitrogen Oxides **Emission Reduction Program**	No	N/A	This site does not meet the applicability requirements of 40 CFR 76.1, it does not include any coal-fired utility units.
Title VI – 40 CFR 82	Protection of **Stratospheric Ozone**	N/A	N/A	EPA Guidance Page for 40 CFR 82: https://www.epa.gov/section608 40 CFR 82 may apply if you: **(40 CFR 82.1 and 82.100)** produce, transform, destroy, import or export a controlled substance or import or export a controlled product; **(40 CFR 82.30)** if you perform service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner; **(40 CFR 82.80)** if you are a department, agency, and instrumentality of the United States subject to Federal procurement requirements; **(82.150)** if you service, maintain, or repair appliances, dispose of appliances, refrigerant reclaimers, **if you are an owner or operator of an appliance**, if you are a manufacturer of appliances or of recycling and recovery equipment, if you are an approved recycling and recovery equipment testing organization, and/or if you sell or offer for sell or purchase class I or class I refrigerants. **Note:** Owners and operators of appliances subject to 40 CFR 82.150 Recycling and Emissions Reduction have recordkeeping and reporting requirements even if the owner/operator is not performing the actual work. **Note:** Disposal definition in 82.152: Disposal means the process leading to and including: (1) The discharge, deposit, dumping or placing of any discarded appliance into or on any land or water; (2) The disassembly of any appliance for discharge, deposit, dumping or placing of its discarded component parts into or on any land or water; or (3) The disassembly of any appliance for reuse of its component parts. "Major maintenance, service, or repair means" any maintenance, service, or repair that involves the removal of any or all of the following appliance components: compressor, condenser, evaporator, or auxiliary heat exchange coil; or any maintenance, service, or repair that involves uncovering an opening of more than four (4) square inches of "flow area" for more than 15 minutes.

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

☐ **Title V Sources** (20.2.70 NMAC)**:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Emissions During Startups, Shutdowns, and Emergencies** defining the measures to be taken to mitigate source emissions during startups, shutdowns, and emergencies as required by 20.2.70.300.D.5(f) and (g) NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☒ **NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Source Emissions During Malfunction, Startup, or Shutdown** defining the measures to be taken to mitigate source emissions during malfunction, startup, or shutdown as required by 20.2.72.203.A.5 NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☒ **Title V** (20.2.70 NMAC)**, NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has established and implemented a Plan to Minimize Emissions During Routine or Predictable Startup, Shutdown, and Scheduled Maintenance through work practice standards and good air pollution control practices as required by 20.2.7.14.A and B NMAC. This plan shall be kept on site or at the nearest field office to be made available to the Department upon request. This plan should not be submitted with this application.

Castillo Prestress will maintain the plans listed above, as applicable.

Section 15

Alternative Operating Scenarios

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

Alternative Operating Scenarios: Provide all information required by the department to define alternative operating scenarios. This includes process, material and product changes; facility emissions information; air pollution control equipment requirements; any applicable requirements; monitoring, recordkeeping, and reporting requirements; and compliance certification requirements. Please ensure applicable Tables in this application are clearly marked to show alternative operating scenario.

Construction Scenarios: When a permit is modified authorizing new construction to an existing facility, NMED includes a condition to clearly address which permit condition(s) (from the previous permit and the new permit) govern during the interval between the date of issuance of the modification permit and the completion of construction of the modification(s). There are many possible variables that need to be addressed such as: Is simultaneous operation of the old and new units permitted and, if so for example, for how long and under what restraints? In general, these types of requirements will be addressed in Section A100 of the permit, but additional requirements may be added elsewhere. Look in A100 of our NSR and/or TV permit template for sample language dealing with these requirements. Find these permit templates at: https://www.env.nm.gov/aqb/permit/aqb_pol.html. Compliance with standards must be maintained during construction, which should not usually be a problem unless simultaneous operation of old and new equipment is requested.

In this section, under the bolded title "Construction Scenarios", specify any information necessary to write these conditions, such as: conservative-realistic estimated time for completion of construction of the various units, whether simultaneous operation of old and new units is being requested (and, if so, modeled), whether the old units will be removed or decommissioned, any PSD ramifications, any temporary limits requested during phased construction, whether any increase in emissions is being requested as SSM emissions or will instead be handled as a separate Construction Scenario (with corresponding emission limits and conditions, etc.

No alternative operating scenario is proposed.

Section 16

Air Dispersion Modeling

1) Minor Source Construction (20.2.72 NMAC) and Prevention of Significant Deterioration (PSD) (20.2.74 NMAC) ambient impact analysis (modeling): Provide an ambient impact analysis as required at 20.2.72.203.A(4) and/or 20.2.74.303 NMAC and as outlined in the Air Quality Bureau's Dispersion Modeling Guidelines found on the Planning Section's modeling website. If air dispersion modeling has been waived for one or more pollutants, attach the AQB Modeling Section modeling waiver approval documentation.
2) SSM Modeling: Applicants must conduct dispersion modeling for the total short term emissions during routine or predictable startup, shutdown, or maintenance (SSM) using realistic worst case scenarios following guidance from the Air Quality Bureau's dispersion modeling section. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions modeling requirements.
3) Title V (20.2.70 NMAC) ambient impact analysis: Title V applications must specify the construction permit and/or Title V Permit number(s) for which air quality dispersion modeling was last approved. Facilities that have only a Title V permit, such as landfills and air curtain incinerators, are subject to the same modeling required for preconstruction permits required by 20.2.72 and 20.2.74 NMAC.

What is the purpose of this application?	Enter an X for each purpose that applies
New PSD major source or PSD major modification (20.2.74 NMAC). See #1 above.	
New Minor Source or significant permit revision under 20.2.72 NMAC (20.2.72.219.D NMAC). See #1 above. **Note:** Neither modeling nor a modeling waiver is required for VOC emissions.	**X**
Reporting existing pollutants that were not previously reported.	
Reporting existing pollutants where the ambient impact is being addressed for the first time.	
Title V application (new, renewal, significant, or minor modification. 20.2.70 NMAC). See #3 above.	
Relocation (20.2.72.202.B.4 or 72.202.D.3.c NMAC)	
Minor Source Technical Permit Revision 20.2.72.219.B.1.d.vi NMAC for like-kind unit replacements.	
Other: i.e. SSM modeling. See #2 above.	
This application does not require modeling since this is a No Permit Required (NPR) application.	
This application does not require modeling since this is a Notice of Intent (NOI) application (20.2.73 NMAC).	
This application does not require modeling according to 20.2.70.7.E(11), 20.2.72.203.A(4), 20.2.74.303, 20.2.79.109.D NMAC and in accordance with the Air Quality Bureau's Modeling Guidelines.	

Check each box that applies:

☐ See attached, approved modeling **waiver for all** pollutants from the facility.
☐ See attached, approved modeling **waiver for some** pollutants from the facility.
☒ Attached in Universal Application Form 4 (UA4) is a **modeling report for all** pollutants from the facility.
☐ Attached in UA4 is a **modeling report for some** pollutants from the facility.
☐ No modeling is required.

Universal Application 4

Air Dispersion Modeling Report

Refer to and complete Section 16 of the Universal Application form (UA3) to assist your determination as to whether modeling is required. If, after filling out Section 16, you are still unsure if modeling is required, e-mail the completed Section 16 to the AQB Modeling Manager for assistance in making this determination. If modeling is required, a modeling protocol would be submitted and approved prior to an application submittal. The protocol should be emailed to the modeling manager. A protocol is recommended but optional for minor sources and is required for new PSD sources or PSD major modifications. Fill out and submit this portion of the Universal Application form (UA4), the "Air Dispersion Modeling Report", only if air dispersion modeling is required for this application submittal. This serves as your modeling report submittal and should contain all the information needed to describe the modeling. No other modeling report or modeling protocol should be submitted with this permit application.

16-A: Identification

1	Name of facility:	Veguita South Crusher Plant
2	Name of company:	Castillo Prestress
3	Current Permit number:	N/A
4	Name of applicant's modeler:	Martin R. Schluep, Alliant Environmental, LLC
5	Phone number of modeler:	(505) 205-4819
6	E-mail of modeler:	mschluep@alliantenv.com

16-B: Brief

1	Was a modeling protocol submitted and approved?	Yes☒	No☐
2	Why is the modeling being done?	New Facility	
3	Describe the permit changes relevant to the modeling.		
	This is an initial/new construction permit application		
4	What geodetic datum was used in the modeling?	NAD83	
5	How long will the facility be at this location?	Permanently	
6	Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes☐	No☒
7	Identify the Air Quality Control Region (AQCR) in which the facility is located	156	

8	List the PSD baseline dates for this region (minor or major, as appropriate).			
	NO2	Not yet established		
	SO2	8/4/1978		
	PM10	8/4/1978		
	PM2.5	Not yet established		
9	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits).			
	None. Shortest distance to a Class I area is 75 km (Bosque del Apache National Wildlife Refuge)			
10	Is the facility located in a non-attainment area? If so describe below		Yes☐	No☒
11	Describe any special modeling requirements, such as streamline permit requirements.			
	N/A.			

16-C: Modeling History of Facility

Describe the modeling history of the facility, including the air permit numbers, the pollutants modeled, the National Ambient Air Quality Standards (NAAQS), New Mexico AAQS (NMAAQS), and PSD increments modeled. (Do not include modeling waivers). **N/A, this is a new facility.**

1	Pollutant	Latest permit and modification number that modeled the pollutant facility-wide.	Date of Permit	Comments
	CO			
	NO_2			
	SO_2			
	H_2S			
	PM2.5			
	PM10			
	Lead			
	Ozone (PSD only)			
	NM Toxic Air Pollutants (20.2.72.402 NMAC)			

16-D: Modeling performed for this application

For each pollutant, indicate the modeling performed and submitted with this application.
Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.

1	Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
	CO	☐	☐	☐	☐	☒
	NO_2	☐	☐	☐	☐	☒
	SO_2	☐	☐	☐	☐	☒

	H_2S	☐	☐	☐	☐	☒
	PM2.5	☒	☒	☐	☐	☐
	PM10	☒	☒	☐	☐	☐
	Lead	☐	☐	☐	☐	☒
	Ozone	☐	☐	☐	☐	☒
	State air toxic(s) (20.2.72.402 NMAC)	☐	☐	☐	☐	☒

16-E: New Mexico toxic air pollutants modeling

1 List any New Mexico toxic air pollutants (NMTAPs) from Tables A and B in 20.2.72.502 NMAC that are modeled for this application.
N/A.

2 List any NMTAPs that are emitted but not modeled because stack height correction factor. Add additional rows to the table below, if required.

Pollutant	Emission Rate (pounds/hour)	Emission Rate Screening Level (pounds/hour)	Stack Height (meters)	Correction Factor	Emission Rate/ Correction Factor

16-F: Modeling options

1	Was the latest version of AERMOD used with regulatory default options? If not explain below.	Yes☒	No☐

16-G: Surrounding source modeling

1	Date of surrounding source retrieval	3/12/2021 (data provided by Mr. Eric Peters, NMED)

2 If the surrounding source inventory provided by the Air Quality Bureau was believed to be inaccurate, describe how the sources modeled differ from the inventory provided. If changes to the surrounding source inventory were made, use the table below to describe them. Add rows as needed.

AQB Source ID	Description of Corrections

16-H: Building and structure downwash

1	How many buildings are present at the facility?	No buildings are proposed at this facility.	
2	How many above ground storage tanks are present at the facility?	None.	
	Was building downwash modeled for all buildings and tanks? If not explain why below.	Yes☐	No☒

3	No buildings or other permanent structures are proposed at this facility.	
4	Building comments	N/A.

16-I: Receptors and modeled property boundary

1	"Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with a steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area. A Restricted Area is required in order to exclude receptors from the facility property. If the facility does not have a Restricted Area, then receptors shall be placed within the property boundaries of the facility. Describe the fence or other physical barrier at the facility that defines the restricted area.		
	The property boundary at he the Veguita South Crusher Plant will be fenced.		
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?	Yes☐	No☒
3	Are restricted area boundary coordinates included in the modeling files?	Yes☒	No☐

4 Describe the receptor grids and their spacing. The table below may be used, adding rows as needed.

Grid Type	Shape	Spacing	Start distance from restricted area or center of facility	End distance from restricted area or center of facility	Comments
Special Grid	Fenceline	50 m	Fenceline	Fenceline	
Special Grid	Fenceline	100 m	Fenceline	1,000 m	
Special Grid	Fenceline	250 m	Fenceline	2,5000 m	
Special Grid	Fenceline	500 m	Fenceline	5,000 m	
Special Grid	Fenceline	1,000 m	Fenceline	10,000 m	

5	Describe receptor spacing along the fence line. Receptors were placed 50 meters apart along the fenceline
6	Describe the PSD Class I area receptors. N/A. The proposed facility is a minor source and the closest Class I area is greater than 50 km from the facility.

16-J: Sensitive areas

	Are there schools or hospitals or other sensitive areas near the facility? If so describe below.	Yes☐	No☒

1	This information is optional (and purposely undefined) but may help determine issues related to public notice.		
3	The modeling review process may need to be accelerated if there is a public hearing. Are there likely to be public comments opposing the permit application?	Yes☐	No☒

16-K: Modeling Scenarios

1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3).		
	Only one modeling scenario is included. The facility will operate six days per week (Monday through Saturday) from 6am to 6pm.		
2	Which scenario produces the highest concentrations? Why?		
	See above.		
3	Were emission factor sets used to limit emission rates or hours of operation? (This question pertains to the "SEASON", "MONTH", "HROFDY" and related factor sets, not to the factors used for calculating the maximum emission rate.)	Yes☒	No☐
4	If so, describe factors for each group of sources. List the sources in each group before the factor table for that group. (Modify or duplicate table as necessary. It's ok to put the table below section 16-K if it makes formatting easier.) Sources:		

5

Hour of Day	Factor	Hour of Day	Factor								
1	0	13	1								
2	0	14	1								
3	0	15	1								
4	0	16	1								
5	0	17	1								
6	1	18	0								
7	1	19	0								
8	1	20	0								
9	1	21	0								
10	1	22	0								
11	1	23	0								
12	1	24	0								

	If hourly, variable emission rates were used that were not described above, describe them below.		
	N/A		
6	Were different emission rates used for short-term and annual modeling? If so describe below.	Yes☐	No☒

16-L: NO_2 Modeling

1	Which types of NO_2 modeling were used? Check all that apply.	
	☐	ARM2
	☐	100% NO_X to NO_2 conversion
	☐	PVMRM
	☐	OLM
	☐	Other:
2	Describe the NO_2 modeling.	
	N/A, no NO_2 emissions are proposed at this facility.	
3	Were default NO_2/NO_X ratios (0.5 minimum, 0.9 maximum or equilibrium) used? If not describe and justify the ratios used below.	Yes☐ No☐
	N/A	
4	Describe the design value used for each averaging period modeled. **N/A**	
	1-hour: Choose an item. Annual: Choose an item.	

16-M: Particulate Matter Modeling

1	Select the pollutants for which plume depletion modeling was used.	
	☒	PM2.5
	☒	PM10
	☐	None
2	Describe the particle size distributions used. Include the source of information.	
	N/A	
3	Does the facility emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2? Sources that emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2 are considered to emit significant amounts of precursors and must account for secondary formation of PM2.5.	Yes☐ No☒
4	Was secondary PM modeled for PM2.5? N/A	Yes☐ No☒

5 If MERPs were used to account for secondary PM2.5 fill out the information below. If another method was used describe below. N/A

NO_X (ton/yr)	SO_2 (ton/yr)	$[PM2.5]_{annual}$	$[PM2.5]_{24\text{-hour}}$

16-N: Setback Distances

1	Portable sources or sources that need flexibility in their site configuration requires that setback distances be determined between the emission sources and the restricted area boundary (e.g. fence line) for both the initial location and future locations. Describe the setback distances for the initial location.
	The set-back distance for this property for the 24-hr PM10 NAAQS (150 ug/m3), including 70.3 ug/m3 and based on the High 1st high concentration is 17.0 meters. This is based on the longest distance from a source of the Veguita South Crusher Plant (Drop Point #7) that is not a Haul Road. The set-back distance for this property for the 24-hr PM10 PSD Increment is the worst-case scenario (largest set-back distance required) for this site. The High 2nd High 24-hr PM10 concentrations was compared to the PSD Increment of 30 ug/m3. No background was added (PSD Increment). The longest set-back distance from the isopleth line to the nearest source is **110.0 meters** from source Wash2. Therefore, the setback distance for the Veguita South Crusher Plant on this property is 110 meters.
2	Describe the requested, modeled, setback distances for future locations, if this permit is for a portable stationary source. Include a haul road in the relocation modeling.
	N/A. This plant will not be relocated to another location, other than within this site configuration

16-O: PSD Increment and Source IDs

1	The unit numbers in the Tables 2-A, 2-B, 2-C, 2-E, 2-F, and 2-I should match the ones in the modeling files. Do these match? If not, provide a cross-reference table between unit numbers if they do not match below.	Yes☐	No☒

Unit Number in UA-2	Unit Number in Modeling Files
See attached table 16-O	

2	The emission rates in the Tables 2-E and 2-F should match the ones in the modeling files. Do these match? If not, explain why below.	Yes☒	No☐
3	Have the minor NSR exempt sources or Title V Insignificant Activities" (Table 2-B) sources been modeled? **N/A**	Yes☐	No☐

4 Which units consume increment for which pollutants?

Unit ID	NO_2	SO_2	PM10	PM2.5
Site-wide			X	

5	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).	

6	Are all the actual installation dates included in Table 2A of the application form, as required? This is necessary to verify the accuracy of PSD increment modeling. If not please explain how increment consumption status is determined for the missing installation dates below.	Yes☒	No☐
	This facility has not yet been constructed or installed.		

16-P: Flare Modeling

1	For each flare or flaring scenario, complete the following

	Flare ID (and scenario)	Average Molecular Weight	Gross Heat Release (cal/s)	Effective Flare Diameter (m)
	N/A			

16-Q: Volume and Related Sources

1	Were the dimensions of volume sources different from standard dimensions in the Air Quality Bureau (AQB) Modeling Guidelines? If not please explain how increment consumption status is determined for the missing installation dates below.	Yes☐	No☒
2	Describe the determination of sigma-Y and sigma-Z for fugitive sources.		
	See attached Modeling Protocol.		
3	Describe how the volume sources are related to unit numbers. Or say they are the same.		
	All units were modeled as volume sources per the current AQB Modeling Guidelines.		
4	Describe any open pits.		
	N/A		
5	Describe emission units included in each open pit.		
	N/A		

16-R: Background Concentrations

1	Were NMED provided background concentrations used? Identify the background station used below. If non-NMED provided background concentrations were used describe the data that was used.	Yes☒	No☐
	CO: N/A		
	NO_2: N/A		
	PM2.5: Del Norte High School (350010023)		
	PM10: Jefferson (350010026)		
	SO_2: N/A		
	Other:		
	Comments:		
2	Were background concentrations refined to monthly or hourly values? If so describe below.	Yes☐	No☒

16-S: Meteorological Data

1	Was NMED provided meteorological data used? If so select the station used. ABQ-meteorology-2013-2017	Yes☒	No☐
2	If NMED provided meteorological data was not used describe the data set(s) used below. Discuss how missing data were handled, how stability class was determined, and how the data were processed.		
	N/A		

16-T: Terrain

1	Was complex terrain used in the modeling? If not, describe why below.	Yes☒	No☐
2	What was the source of the terrain data?		
	USGS		

16-U: Modeling Files

Describe the modeling files:

File name (or folder and file name)	Pollutant(s)	Purpose (ROI/SIA, cumulative, culpability analysis, other)
Veguita South Low ROI	PM2.5 and PM10	ROI
Veguita South SurSources PM2_5	PM2.5	Cumulative
Veguita South SurSources PM10	PM10	Cumulative and PSD Increment
Veguita South Setback	PM10 PSD Increment	Set-back Model

16-V: PSD New or Major Modification Applications – N/A

1	A new PSD major source or a major modification to an existing PSD major source requires additional analysis. Was preconstruction monitoring done (see 20.2.74.306 NMAC and PSD Preapplication Guidance on the AQB website)?	Yes☐	No☐

2	If not, did AQB approve an exemption from preconstruction monitoring?	Yes☐	No☐
3	Describe how preconstruction monitoring has been addressed or attach the approved preconstruction monitoring or monitoring exemption.		
4	Describe the additional impacts analysis required at 20.2.74.304 NMAC.		
5	If required, have ozone and secondary PM2.5 ambient impacts analyses been completed? If so describe below.	Yes☐	No☐

16-W: Modeling Results

1	If ambient standards are exceeded because of surrounding sources, a culpability analysis is required for the source to show that the contribution from this source is less than the significance levels for the specific pollutant. Was culpability analysis performed? If so describe below.	Yes☐	No☒
2	Identify the maximum concentrations from the modeling analysis. Rows may be modified, added and removed from the table below as necessary.		

Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Secondary PM (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location		
								UTM E (m)	UTM N (m)	Elevation (m)
24-hr PM2.5	**3.76**	**7.20**	**N/A**	**10.8**	**18.0**	**35**	**51.4**	**338467.3**	**3817515.1**	**1470.13**
Annual PM2.5	**0.47**	**2.50**	**N/A**	**4.6**	**7.1**	**12**	**59.1**	**338418.9**	**3817521.8**	**1469.48**
24-hr PM10	**28.43**	**35.03**	**N/A**	**70.3**	**105.3**	**150**	**70.2**	**338390.9**	**3816442.5**	**1471.42**
Annual PM10	**3.58**	**5.13**	**N/A**	**24.3**	**29.4**	**N/A**	**N/A**	**338390.9**	**3817442.5**	**1471.42**

16-X: Summary/conclusions

1	A statement that modeling requirements have been satisfied and that the permit can be issued.
	Site-wide air dispersion modeling for PM2.5 and PM10 (only pollutants emitted), including surrounding sources, shows that the impacts from the proposed facility are below the NAAQS and PSD increments.

Table 16-O: Unit and Model ID Cross Reference Table

Unit ID	Equipment Description	Modeling ID
1	Raw Material Batch Drop by Front Loader	DROP1
2	Raw Material Batch Drop by Front Loader	DROP2
3	Bulk Loading of Surge Bin for Roller Crusher	SURGEBIN
4	Loading of Jaw Crusher	JCRSHLOAD
5	Loading of Cone Crusher	CCRUSHERLOAD
6	Roller Cone Crusher	RCCRUSHER
7	Jaw Crusher	JCRUSHER
8	Cone Crusher	CCRUSHER
9	Screen 1	SCREEN1
10	Screen 2	SCREEN2
11	Conveyor Drop Pile Formation	DROP3
12	Conveyor Drop Pile Formation	DROP4
13	Conveyor Drop Pile Formation	DROP5
14	Conveyor Drop Pile Formation	DROP6
15	Conveyor Drop Pile Formation	DROP7
16	Conveyor Drop Pile Formation	DROP8
17	Wash Plant Loading	WASH1
18	Wash Plant Loading	WASH2
19	Wash Plant Loading	WASH3
20	Wash Plant Loading	WASH4
21-49	28 Conveyors	--
50	Product Pile Formation (Front Loader Drop)	DROP9
51	Loadout (Front Loader loading Truck) from Product Pile	LOAD1
52	Loadout (Front Loader loading Truck) from Product Pile	LOAD2
53	Haul Roads (1-30)	HAUL1-30

Table 16-1: NAAQS Analysis (SILs)

Units	Criteria Pollutant	Averaging Period	Significance Level (ug/m^3)	NAAQS (ug/m^3)	GLC_{max} (ug/m^3)	GLC_{max} < Significance Level? If Yes, NAAQS is met (ug/m^3)	ROI (m)
Site-wide	$PM_{2.5}$	24-hour	1.2	35	3.76	**No**	590
Site-wide	$PM_{2.5}$	Annual	0.2	12	0.47	**No**	313
Site-wide	PM_{10}	24-hour	5	150	28.43	**No**	942
Site-wide	PM_{10}	Annual	--	--	3.58	**--**	**--**

Table 16-2: NAAQS Analysis

Units:	Criteria Pollutant	Averaging Period	GLC_{max} (ug/m^3)	Meteorological data year	Average
Site-wide	$PM_{2.5}$	24-hour	3.50	2013	
		24-hour	3.65	2014	
		24-hour	3.44	2015	
		24-hour	**4.52**	**2016**	
		24-hour	3.70	2017	3.76
		Annual	0.51	2013	
		Annual	0.41	2014	
		Annual	0.47	2015	
		Annual	0.42	2016	
		Annual	**0.53**	**2017**	0.47
Site-wide	PM_{10}	24-hour	26.67	2013	
		24-hour	27.55	2014	
		24-hour	25.75	2015	
		24-hour	**34.28**	**2016**	
		24-hour	27.91	2017	28.43
		Annual	3.86	2013	
		Annual	3.15	2014	
		Annual	3.56	2015	
		Annual	3.24	2016	
		Annual	**4.08**	**2017**	3.58

Table 16-3: 24-Hour and Annual PM_{10} and $PM_{2.5}$ NAAQS Analysis Incuding Surrounding Sources

Units	Criteria Pollutant	Averaging Period	NAAQS (ug/m^3)	GLC_{max} (Incl. Surr.Sources) (ug/m^3)	Background Concentration (ug/m^3)	GLC_{max} incl. Background conc. (ug/m^3)	GLC_{max} incl. Background conc. < NAAQS?	ROI (m)	Percent of Standard (%)
Site-wide	$PM_{2.5}$	24-hour	35.00	7.20	10.8	18.00	**Yes**	590	51.4
		Annual	12.00	2.50	4.6	7.10	**Yes**	313	59.1
Site-wide	PM_{10}	24-hour	150.00	35.03	70.3	105.33	**Yes**	942	70.2
		Annual	--	5.13	24.3	29.43	**Yes**	--	N/A

Note:

$PM_{2.5}$ 24-Hour: The High 8th High daily from 2016 (worst case year)

$PM_{2.5}$ Annual: High 1st High average from 2017 (worst case year)

PM_{10} 24-Hour: The High 1st High daily from 2016 (worst case year)

PM_{10} Annual: The High 1st High average from 2017 (worst case year)

Background Concentrations:

24-hour (98^{th} percentile) and annual $PM_{2.5}$ background concentration added from ID: 350010023 Albuquerque Del Norte High School

24-hour PM_{10} (2^{nd} high) background concentration added from ID: 350010026 Albuquerque - Jefferson

AQCR: 156

$PM_{2.5}$ PSD Baseline Date: Not yet established

PM_{10} PSD Baseline Date: 8/4/1978

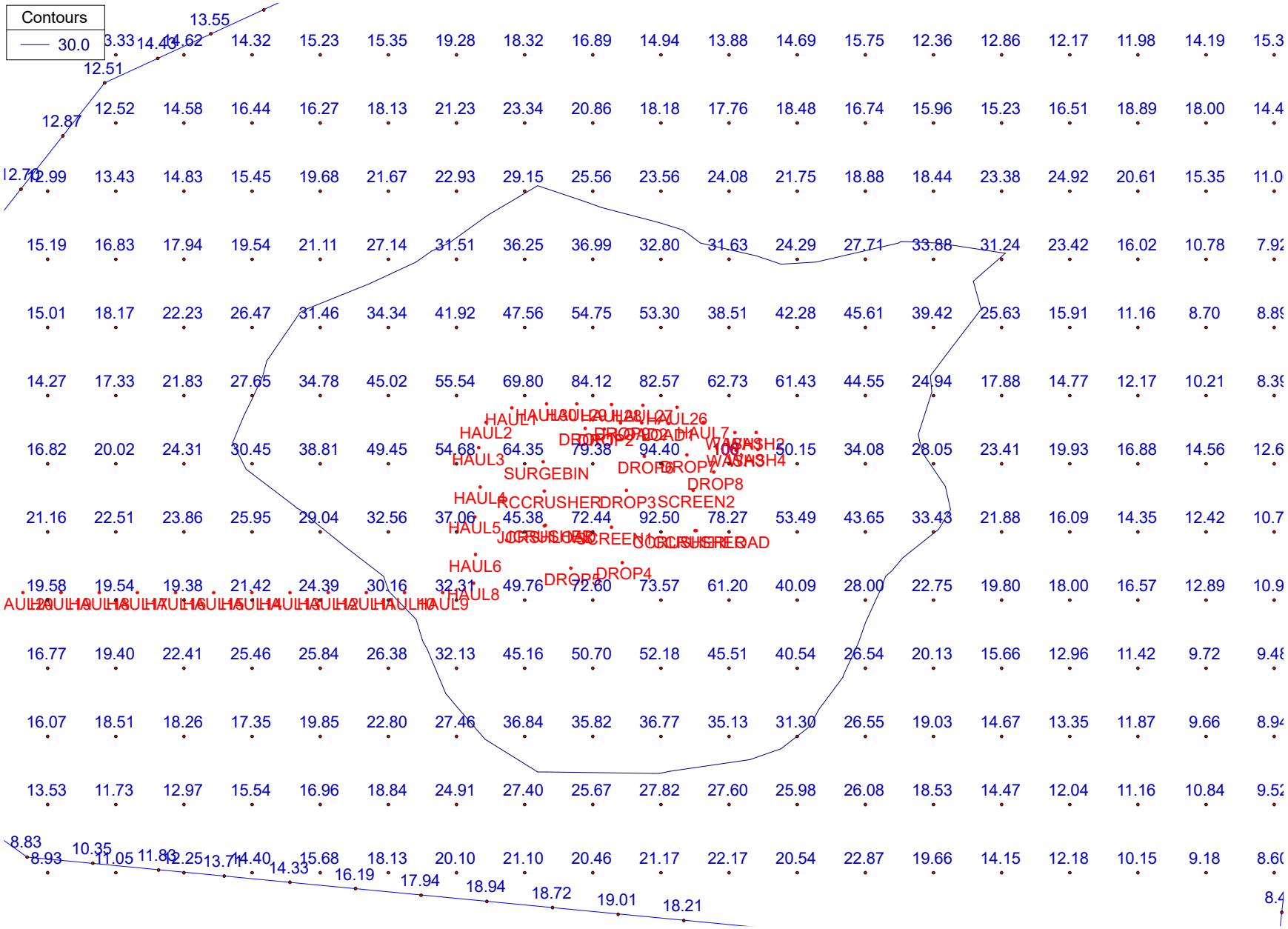
Table 16-4: Annual NO_2 PSD Increments Analysis

Units	Criteria Pollutant	Averaging Period	Class II PSD Increment (ug/m^3)	GLC_{max} (ug/m^3)	GLC_{max} < PSD Class II Increment? (ug/m^3)
Site-wide	PM_{10}	Annual	17.0	5.13	**Yes**
		24-Hour	30.0	21.89	**Yes**

24-Hour PM_{10} PSD increment high 2nd high concentration.
Includes facility and surrounding sources increment consuming sources.

Longest Property Set-back Distance for Veguita South: 110 m

PM10 Set-back (24-hr)



Scale: 1" = 52.2 Meters

Max = 106.1854 (338419.6, 3816609)

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

To show compliance with existing NSR permits conditions, you must submit a compliance test history. The table below provides an example.

To save paper and to standardize the application format, delete this sentence and the samples in the Compliance Test History Table, and begin your submittal for this attachment on this page.

Compliance Test History Table (Modify this sample table to suit your facility)

Unit No.	Test Description	Test Date
N/A	N/A	N/A

This is a proposed new crusher plant powered by line power. No tests on any of the equipment have been performed.

Section 18

Addendum for Streamline Applications

Do not print this section unless this is a streamline application.

Streamline Applications do not require a complete application. Submit Sections 1-A, 1-B, 1-D, 1-F, 1-G, 2-A, 2-C thru L, Sections 3 thru 8, Section 13, Section 18, Section 22, and Section 23 (Certification). Other sections may be required at the discretion of the Department. 20.2.72.202 NMAC Exemptions do not apply to Streamline sources. 20.2.72.219 NMAC revisions and modifications do not apply to Streamline sources, thus 20.2.72.219 type actions require a complete new application submittal. Please do not print sections of a streamline application that are not required.

Not applicable as this is not a streamline application.

Section 19

Requirements for Title V Program

Do not print this section unless this is a Title V application.

Not applicable as this is not a Title V application

Section 20

Other Relevant Information

Other relevant information. Use this attachment to clarify any part in the application that you think needs explaining. Reference the section, table, column, and/or field. Include any additional text, tables, calculations or clarifying information.

Additionally, the applicant may propose specific permit language for AQB consideration. In the case of a revision to an existing permit, the applicant should provide the old language and the new language in track changes format to highlight the proposed changes. If proposing language for a new facility or language for a new unit, submit the proposed operating condition(s), along with the associated monitoring, recordkeeping, and reporting conditions. In either case, please limit the proposed language to the affected portion of the permit.

There is no other relevant information.

Section 21

Addendum for Landfill Applications

Do not print this section unless this is a landfill application.

Not applicable as this is not a landfill application.

Section 22: Certification

Company Name: Castillo Prestress

I, Richard Castillo, hereby certify that the information and data submitted in this application are true and as accurate as possible, to the best of my knowledge and professional expertise and experience.

Signed this 28 day of April D.C., 2021, upon my oath or affirmation, before a notary of the State of New Mexico

Official Seal
DIANA V COLE
Notary Public
State of New Mexico
My Comm. Expires 11-21

*Signature

4-28-2021
Date

Richard Castillo
Printed Name

President.
Title

Scribed and sworn before me on this 28 day of April, 2021.

My authorization as a notary of the State of New Mexico expires on the

13th day of November, 2021.

Diana V Cole
Notary's Signature

4-28-21
Date

Diana V. Cole
Notary's Printed Name

*For Title V applications, the signature must be of the Responsible Official as defined in 20.2.70.7.AE NMAC.