



Castillo Prestress
Veguita South Crusher Plant

NSR Permit No. 9218
Significant Revision Application
Veguita, NM
Socorro County, NM

February 2026

Prepared for:

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



Prepared by:

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





Air Permit Application Compliance History Disclosure Form

Pursuant to Subsection 74-2-7(S) of the New Mexico Air Quality Control Act ("AQCA"), NMSA §§ 74-2-1 to -17, the New Mexico Environment Department ("Department") may deny any permit application or revoke any permit issued pursuant to the AQCA if, within ten years immediately preceding the date of submission of the permit application, the applicant met any one of the criteria outlined below. In order for the Department to deem an air permit application administratively complete, or issue an air permit for those permits without an administrative completeness determination process, the applicant must complete this Compliance History Disclosure Form as specified in Subsection 74-2-7(P). An existing permit holder (permit issued prior to June 18, 2021) shall provide this Compliance History Disclosure Form to the Department upon request.

Permittee/Applicant Company Name		Expected Application Submittal Date
Castillo Prestress		February 11, 2026
Permittee/Company Contact	Phone	Email
Richard C. Castillo	(505) 864-0238	rcastillo@castilloprestress.com
Within the 10 years preceding the expected date of submittal of the application, has the permittee or applicant:		
1	Knowingly misrepresented a material fact in an application for a permit?	☐ Yes ☒ No
2	Refused to disclose information required by the provisions of the New Mexico Air Quality Control Act?	☐ Yes ☒ No
3	Been convicted of a felony related to environmental crime in any court of any state or the United States?	☐ Yes ☒ No
4	Been convicted of a crime defined by state or federal statute as involving or being in restraint of trade, price fixing, bribery, or fraud in any court of any state or the United States?	☐ Yes ☒ No
5a	Constructed or operated any facility for which a permit was sought, including the current facility, without the required air quality permit(s) under 20.2.70 NMAC, 20.2.72 NMAC, 20.2.74 NMAC, 20.2.79 NMAC, or 20.2.84 NMAC?	☐ Yes ☒ No
5b	If "No" to question 5a, go to question 6. If "Yes" to question 5a, state whether each facility that was constructed or operated without the required air quality permit met at least one of the following exceptions: a. The unpermitted facility was discovered after acquisition during a timely environmental audit that was authorized by the Department; or b. The operator of the facility estimated that the facility's emissions would not require an air permit, and the operator applied for an air permit within 30 calendar days of discovering that an air permit was required for the facility.	☐ Yes ☐ No
6	Had any permit revoked or permanently suspended for cause under the environmental laws of any state or the United States?	☐ Yes ☒ No
7	For each "yes" answer, please provide an explanation and documentation.	

Mail Application To: 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		For Department use only:
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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.

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: ☐ 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.: **102** in the amount of **\$500.00**
- ☒ 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.
- ☒ I acknowledge there is an annual fee for permits in addition to the permit review fee: www.env.nm.gov/air-quality/permit-fees-2/.
- ☐ This facility qualifies for the small business fee reduction per 20.2.75.11.C. NMAC. The full \$500.00 filing fee is included with this application and I understand the fee reduction will be calculated in the balance due invoice. The Small Business Certification Form has been previously submitted or is included with this application. (Small Business Environmental Assistance Program Information: www.env.nm.gov/air-quality/small-biz-eap-2/.)

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.219.D.1.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: 39993	Updating Permit/NOI #: 9218
1	Facility Name: Vegueta 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 the intersection of Baca Rd and Hwy 340, in Las Nutrias, New Mexico, head north on Hwy 340 towards Griego's for 0.2 miles. Then turn right and continue straight to the right side of the road for 0.55 miles. The facility will be approximately 0.05 miles on the left side of the road.		

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: Martin R. Schluep, Alliant Environmental, LLC	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: (505) 864-0238/(505) 861-0323
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 ☐ 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 ☒ No	If yes, give month and year of shut down (MM/YY): N/A
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? ☐ Yes ☒ 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 ☒ N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☐ Yes ☒ No	If yes, the permit No. is: P- N/A
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes ☒ No	If yes, the NPR No. is: N/A
8	Has this facility been issued a Notice of Intent (NOI)? ☐ Yes ☒ No	If yes, the NOI No. is: N/A
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☒ Yes ☐ No	If yes, the permit No. is: NSR-9218
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes ☒ No	If yes, the register No. is: N/A

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: 300 tons	Daily: 3,600 tons	Annually: 1,314,000 tons
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: 300 tons	Daily: 3,600 tons	Annually: 1,314,000 tons

b	Proposed	Hourly: 300 tons	Daily: 3,600 tons	Annually: 1,314,000 tons
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Section 1-D: Facility Location Information

1	Latitude (decimal degrees): 34.481714	Longitude (decimal degrees): -106.755394	County: Socorro	Elevation (ft): 4,861
2	UTM Zone: ☐ 12 or ☒ 13		Datum: ☐ NAD 83 ☒ WGS 84	
a	UTM E (in meters, to nearest 10 meters): 338,805		UTM N (in meters, to nearest 10 meters): 3'816,968	
3	Name and zip code of nearest New Mexico town: Las Nutrias, NM 87062			
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From the intersection of Baca Rd and Hwy 340, in Las Nutrias, New Mexico, head north on Hwy 340 towards Griego's for 0.2 miles. Then turn right and continue straight to the right side of the road for 0.55 miles. The Veguita South Crusher Plant facility is approximately 0.05 miles on the left side of the road.			
5	The facility is 1.2 (distance) miles northeast (direction) of Las Nutrias (nearest town).			
6	Land Status of facility (check one): ☒ Private ☐ Indian/Pueblo ☐ Government ☐ BLM ☐ Forest Service ☐ Military			
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/air-quality/modeling-publications/)? ☐ 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): 68 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? N/A			

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: Site is already constructed. New modifications (number og daily haul truck increase) to begin in 2026 as soon as permit is issued.			
4	Month and year of anticipated construction completion: Site is already constructed. New modifications to begin in 2026 as soon as permit is issued.			
5	Month and year of anticipated startup of new or modified facility: Site is already constructed. New modifications to begin in 2026 as soon as permit is issued.			

6	Will this facility operate at this site for more than one year? ☒ Yes ☐ No
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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: N/A	NOV Tracking No: N/A	
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: N/A		
c	Document Title: N/A	Date: N/A	Requirement # (or page # and paragraph #): N/A
d	Provide the required text to be inserted in this permit: N/A		
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: N/A 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.)
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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): N/A		Phone: N/A
a	R.O. Title: N/A	R.O. e-mail: N/A	
b	R. O. Address: N/A		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): N/A		Phone: N/A
a	A. R.O. Title: N/A	A. R.O. e-mail: N/A	
b	A. R. O. Address: N/A		
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): N/A		
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.): N/A		
a	Address of Parent Company: N/A		
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.): N/A		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: N/A		

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: N/A
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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	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/Reconstruction ²	Emissions vented to Stack #				
1	Material Batch Drop by Fron Loader	N/A	N/A	N/A	300 TPH	300 TPH	N/A	1	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	2	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	3	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	4	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	5	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	6	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	7	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	8	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	CEDARAPIDS	MHS6203	N/A	300 TPH	300 TPH	2020	9	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	CEDARAPIDS	MHS6203	N/A	300 TPH	300 TPH	2020	10	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	11	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
12	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A	12	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
13	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A	13	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
14	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A	14	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
15	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A	15	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
16	Conveyor Drop Pile Formation	N/A	N/A	N/A	300 TPH	300 TPH	N/A	16	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
17	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A	17	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
18	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A	18	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
19	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A	19	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
20	Wash Plant Loading	N/A	N/A	N/A	300 TPH	300 TPH	N/A	20	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	
21-48	28 Conveyors	Shop Made	N/A	N/A	300 TPH	300 TPH	2020	21-48	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77, NSPS OOO	
49	Product Storage Pile	N/A	N/A	N/A	300 TPH	300 TPH	N/A	49	N/A	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
50	Loadout from Pile	N/A	N/A	N/A	300 TPH	300 TPH	N/A	50	30502031	☒ 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	51	30502031	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	20.2.3, 72, 73	
52	Haul Roads	N/A	N/A	N/A	N/A	N/A	N/A	52	N/A	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☒ To Be Modified ☐ To be Replaced	20.2.3, 72, 73, 77	

Table 2-B: Insignificant Activities¹ (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 One	
			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

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 carryover	TBD	PM	11	90%	AP-42 13.2.4
12	Water Spray/moisture carryover	TBD	PM	12	90%	AP-42 13.2.4
13	Water Spray/moisture carryover	TBD	PM	13	90%	AP-42 13.2.4
14	Water Spray/moisture carryover	TBD	PM	14	90%	AP-42 13.2.4
15	Water Spray/moisture carryover	TBD	PM	15	90%	AP-42 13.2.4
16	Water Spray/moisture carryover	TBD	PM	16	90%	AP-42 13.2.4
17	Water Spray/moisture carryover	TBD	PM	17	90%	AP-42 13.2.4
18	Water Spray/moisture carryover	TBD	PM	18	90%	AP-42 13.2.4
19	Water Spray/moisture carryover	TBD	PM	19	90%	AP-42 13.2.4
20	Water Spray/moisture carryover	TBD	PM	20	80%	AP-42 13.2.4
21-48	Water Spray/moisture carryover	TBD	PM	21-48	90%	AP-42 13.2.4
49	Water Spray/moisture carryover	TBD	PM	49	90%	AP-42 13.2.4
50	Water Spray/moisture carryover	TBD	PM	50	90%	AP-42 13.2.4
51	Water Spray	TBD	PM	51	90%	AP-42 13.2.4
52	Surfactant and Base Course	TBD	PM	52	90%	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.	NO _x		CO		VOC		SO _x		PM ¹		PM ₁₀ ¹		PM _{2.5} ¹		H ₂ S		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				
21-48											9.24	40.47	9.24	40.47				
49											0.67	2.93	0.10	0.44				
50											0.67	2.93	0.10	0.44				
51											0.67	2.93	0.10	0.44				
52											7.44	11.26	0.74	1.13				
Totals											36.12	136.86	19.19	81.92				

¹Condensable Particulate Matter: Include condensable particulate matter emissions for PM₁₀ and PM_{2.5} if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM₁₀ and PM_{2.5}. 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 ₂ S		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				
21-48											0.39	0.72	0.11	0.20				
49											0.07	0.13	0.01	0.02				
50											0.07	0.13	0.01	0.02				
51											0.07	0.13	0.01	0.02				
52											0.74	1.13	0.07	0.11				
Totals											3.27	5.85	0.49	0.88				

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).

All applications for facilities that have emissions during routine or 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).

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.

[illegible]

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:

[illegible]

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.

[illegible]

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

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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.

[illegible]

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

[illegible]

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	
Note: 1.00 bbl = 0.159 M ³ = 42.0 gal					MG: Medium Gray	
					BL: Black	
					OT: Other (specify)	

Note: $1.00 \text{ bbl} = 0.159 \text{ M}^3 = 42.0 \text{ gal}$

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

[illegible]

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.

[illegible]

Table 2-O: Parametric Emissions Measurement Equipment

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

[illegible]

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 ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²									Total GHG Mass Basis ton/yr ⁴	Total CO ₂ e ton/yr ⁵
Unit No.	GWPs ¹	1	298	25	22,800	footnote 3										
N/A	mass GHG															
	CO ₂ e															
	mass GHG															
	CO ₂ e															
	mass GHG															
	CO ₂ e															
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	mass GHG															
	CO ₂ e															
Total	mass GHG															
	CO ₂ e															

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 CO₂e 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.

Castillo Prestress is submitting this Significant Permit Revision Application pursuant to 20.2.72.219.D(1)(a) NMAC to the New Mexico Environment Department (NMED), for a proposed modification to the existing Veguita South Crusher Plant, sand/gravel/rock (aggregate) crushing facility. The facility is currently permitted under NSR Permit Number 9218 issued on August 26th, 2021.

With this application Castillo Prestress is proposing the increase of haul road trucks to a total of 100 trucks per day, from the currently permitted 60 trucks per day, at the Veguita South Crusher Plant facility (Unit 52 – Haul Roads). In addition, Castillo Prestress is proposing the change of haul road dust control by applying surfactant and base course instead of water spray and base course, increasing the control efficiency for this emission source. This will result in a reduction of haul roads and facility-wide particulate matter (PM) emissions. Please see the attached emission calculations for more information.

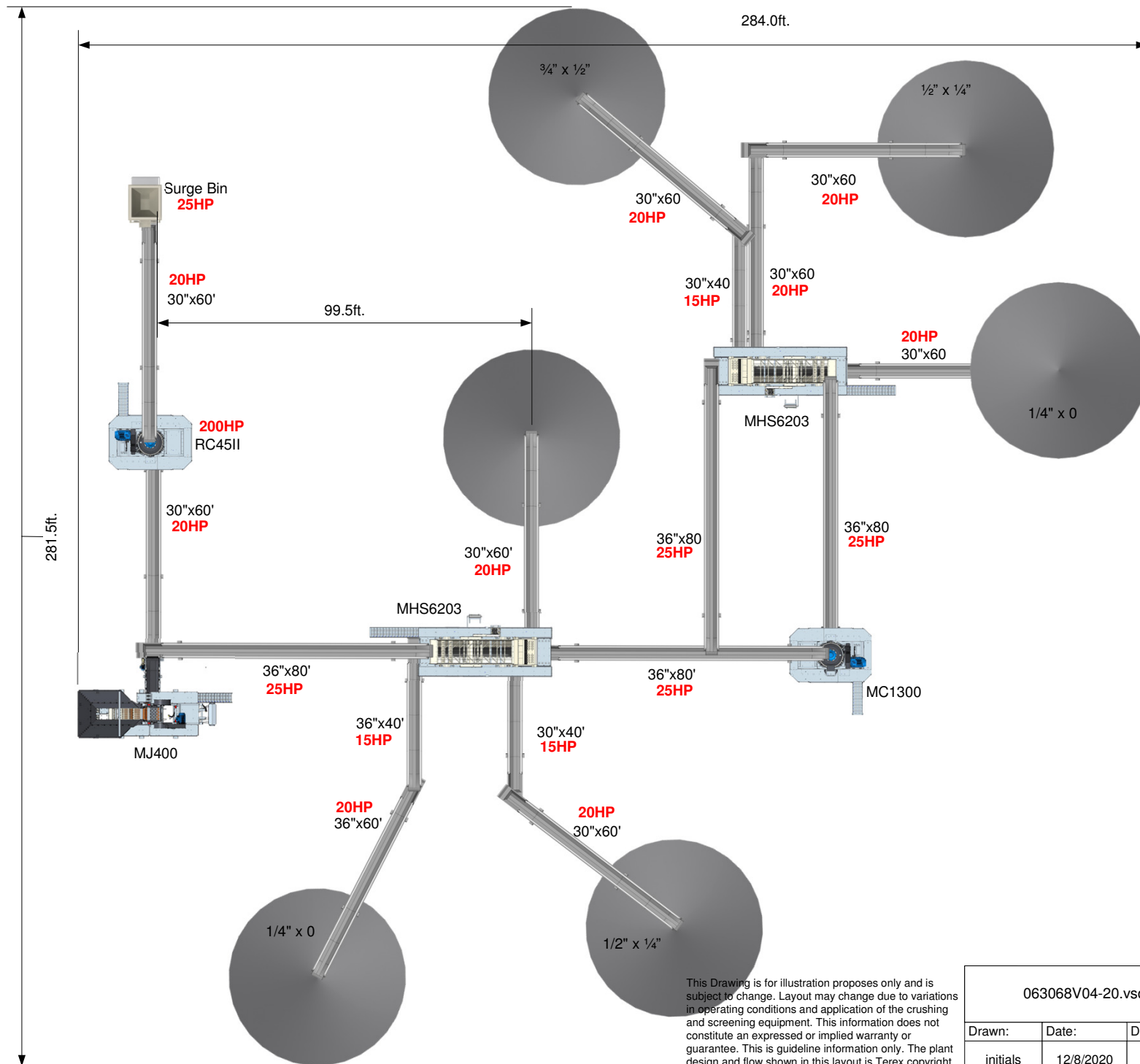
No other changes to equipment or emission rates are proposed, and operation shall remain as is described in the current permit.

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.

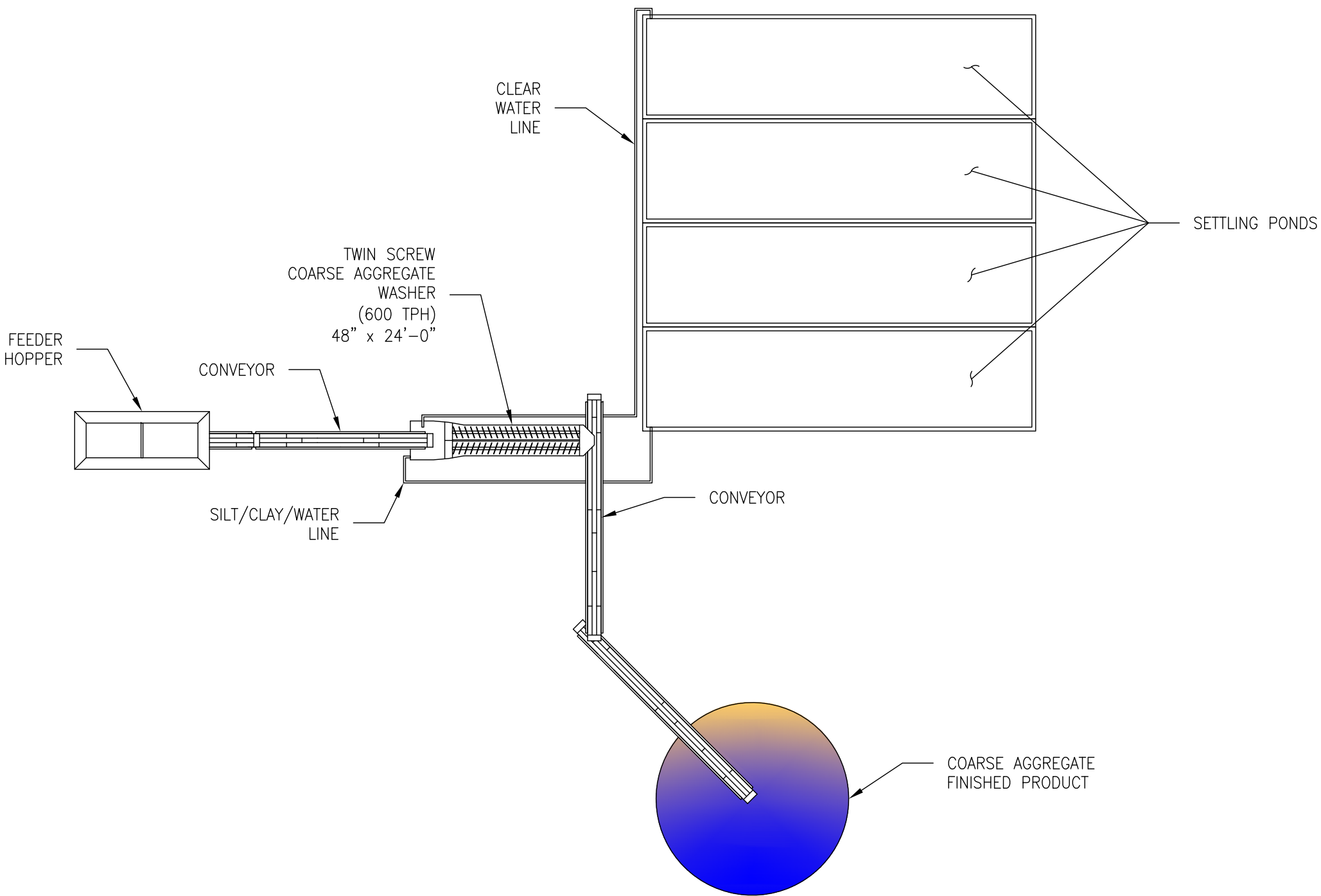
See attached process flow sheets as submitted in the initial permit application.



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.vsd			TEREX CEDARAPIDS	
			909 17 th Street NE	
			Cedar Rapids, IA 52404	
			Phone: 319 363 3511	
			Toll Free: 800 821 5600	
			Fax: 319 399 4871	
			Email: info@cedarapids.com	
Drawn:	Date:	Drg Nos:		
initials	12/8/2020	xxxxx		

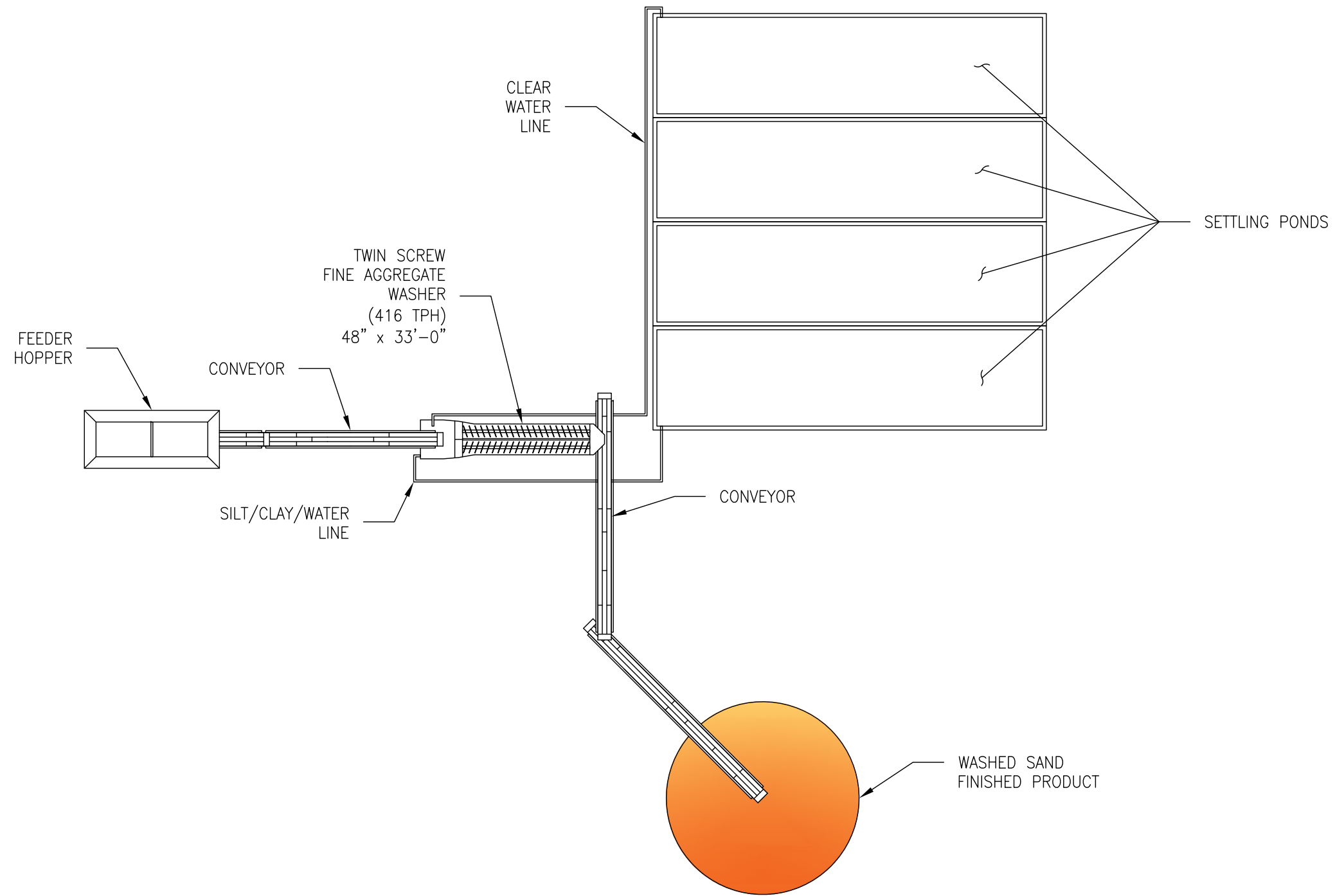


-
2.0
PLAN - CA WASHER
SCALE: 1/32" = 1'-0"



PLAN - CA WASHER			
DATE	BY	DATE	BY
-	-	3/31/21	-
DATE	BY	DATE	BY
-	-	-	-

DATE	BY	DATE	BY
-	-	-	-
DATE	BY	DATE	BY
-	-	-	-



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

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

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

REVISIONS		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.



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). Previously submitted emission calculations for all equipment, except for Unit 52 (Haul Roads), have not changed with this significant permit revision application.

No change:

- 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 48
- Product Pile Drop: 300 TPH – Unit 49
- Truck Loading: 300 TPH – Units 50 and 51

Proposed change:

- **Truck Haul Emissions: 100 Trucks per day – Unit 52**

To estimate material handling particulate (PM₁₀/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 installed at this facility.

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

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 (CO₂), nitrous oxide (N₂O), methane (CH₄), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆).

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

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
21-48	28 Conveyors	9.24	40.47	9.24	40.47
49	Product Pile Formation (Front Loader Drop)	0.10	0.44	0.67	2.93
50	Loadout (Front Loader loading Truck) from Product Pile	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	Haul Roads	0.74	1.13	7.44	11.26
Totals		19.19	81.92	36.12	136.86

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
21-48	28 Conveyors	0.109	0.204	0.386	0.72
49	Product Pile Formation (Front Loader Drop)	0.010	0.019	0.067	0.13
50	Loadout (Front Loader loading Truck) from Product Pile	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	Haul Roads	0.074	0.113	0.744	1.13
Totals		0.49	0.88	3.27	5.85

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
21-48	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
49	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
50	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
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	Haul Roads	N/A	N/A	8	Trucks/hr (est.)	12	hours/day =	100	Truck trips per Day, 6 days per week		

Emissions (lb/hr)								UNCONTROLLED (lb/hr)		CONTROLLED (lb/hr)	
								PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}
Unit No	Equipment	Manufacture	Year	Model	Process Rate/Capacity	Emission Factor Source					
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
21-48	28 Conveyors	N/A	N/A	N/A	300	AP-42	-	9.24	9.24	0.39	0.11
49	Product Pile Formation (Front Loader Drop)	N/A	N/A	N/A	300	AP-42	-	0.67	0.10	0.07	0.01
50	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
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	Haul Roads	Using 90% Dust Control (Base Course and Surfactant)				AP-42	-	7.44	0.74	0.74	0.07
						TOTAL EMISSIONS		36.12	19.19	3.27	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
21-48	28 Conveyors	N/A	N/A	N/A	300	AP-42	-	40.47	40.47	0.72	0.20
49	Product Pile Formation (Front Loader Drop)	N/A	N/A	N/A	300	AP-42	-	2.93	0.44	0.13	0.02
50	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
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	Haul Roads	Using 90% Dust Control (Base Course and Surfactant)				AP-42	-	11.26	1.13	1.13	0.11
						TOTAL EMISSIONS		136.9	81.9	5.85	0.88

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	18.0	ton
Load Size ²	28.0	ton
Loaded Vehicle Weight ³	46.0	ton
Mean Vehicle Weight ⁴	32.0	ton
Vehicles Per Day ⁵	100	VPD
Vehicles Per Year	36,500	VPY
Segment Length	0.20	mile
Trips per Segment	2	-
Effective Segment Length ⁶	0.4	mile
Trips per Hour ⁷	17	-
Wet Days ⁸	70	day
Surface Silt Content ⁹	4.8	%
Control Efficiency	90	%

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

Route	Calculation Parameters ¹											Annual Emission Factors			
	s	W	P	k					b			E _{ext} ⁴			
	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	32.0	70	4.9	1.5	0.15	0.90	0.90	0.45	0.45	0.45	1.9	0.19	1.5	0.15

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
	3,744	0.20	2	36,500	0.40	14600	7.44	11.26	0.74	1.13	0.74	1.13	0.07	0.11
Totals							7.44	11.26	0.74	1.13	0.74	1.13	0.07	0.11

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 = 90% default for base course and surfactant

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.
-

- 1) Previously submitted emission calculations for all equipment, except for Unit 52 (Haul Roads), have not changed with this significant permit revision application. AP-42 Sections Used:
 - a. Volume I: Stationary Point and Area Sources (AP-42), Aug. 2004, Chapter 11.19.2 "Crushed Stone Processing", Table 11.19.2-2
 - b. Chapter 13.2.4 "Aggregate Handling and Storage Piles", November 2006 for material drop points and storage piles.
 - c. AP-42, Section 13.2.2 (11/06) "Unpaved Roads" emission equation.



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.

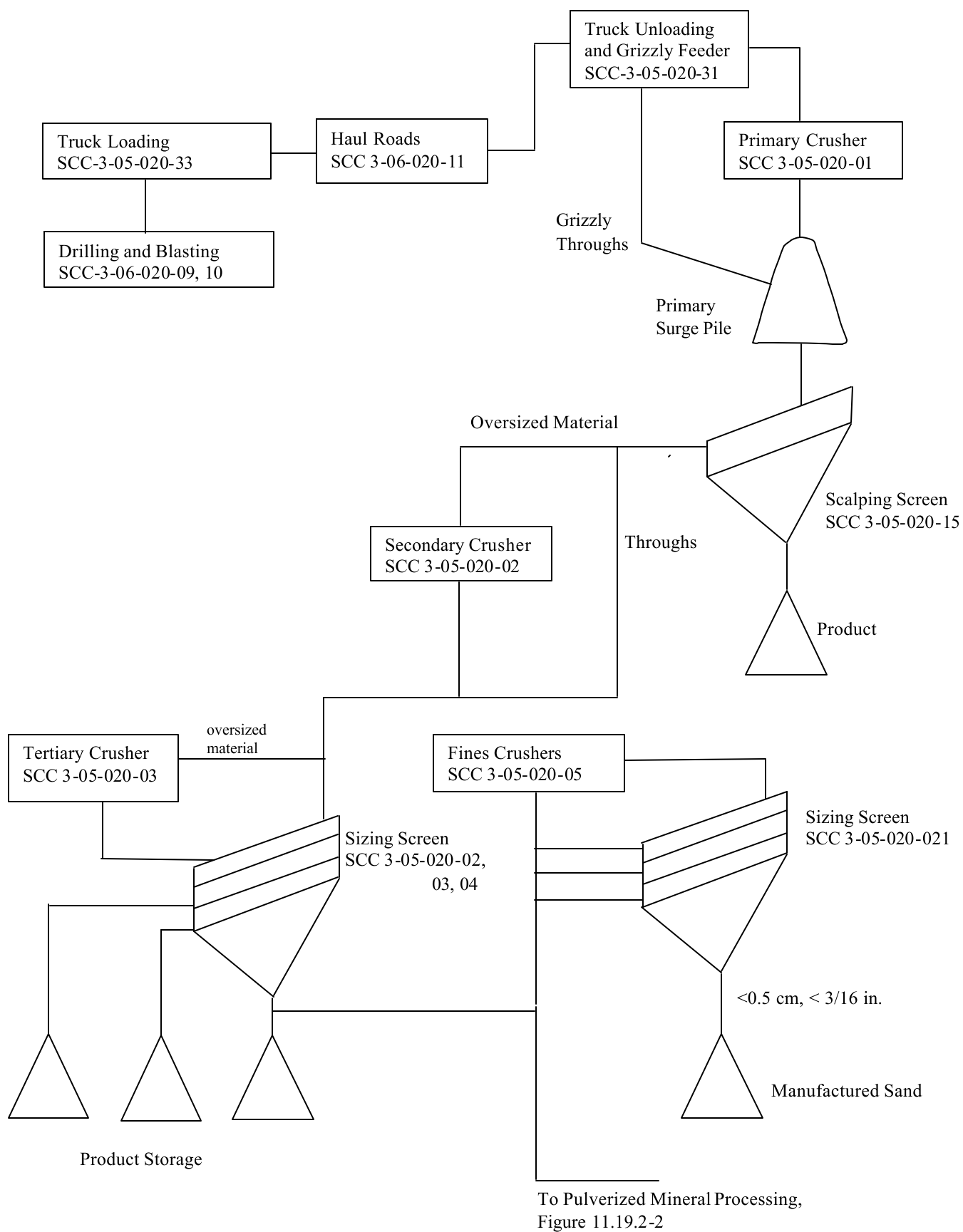


Figure 11.19.2-1. Typical stone processing plant

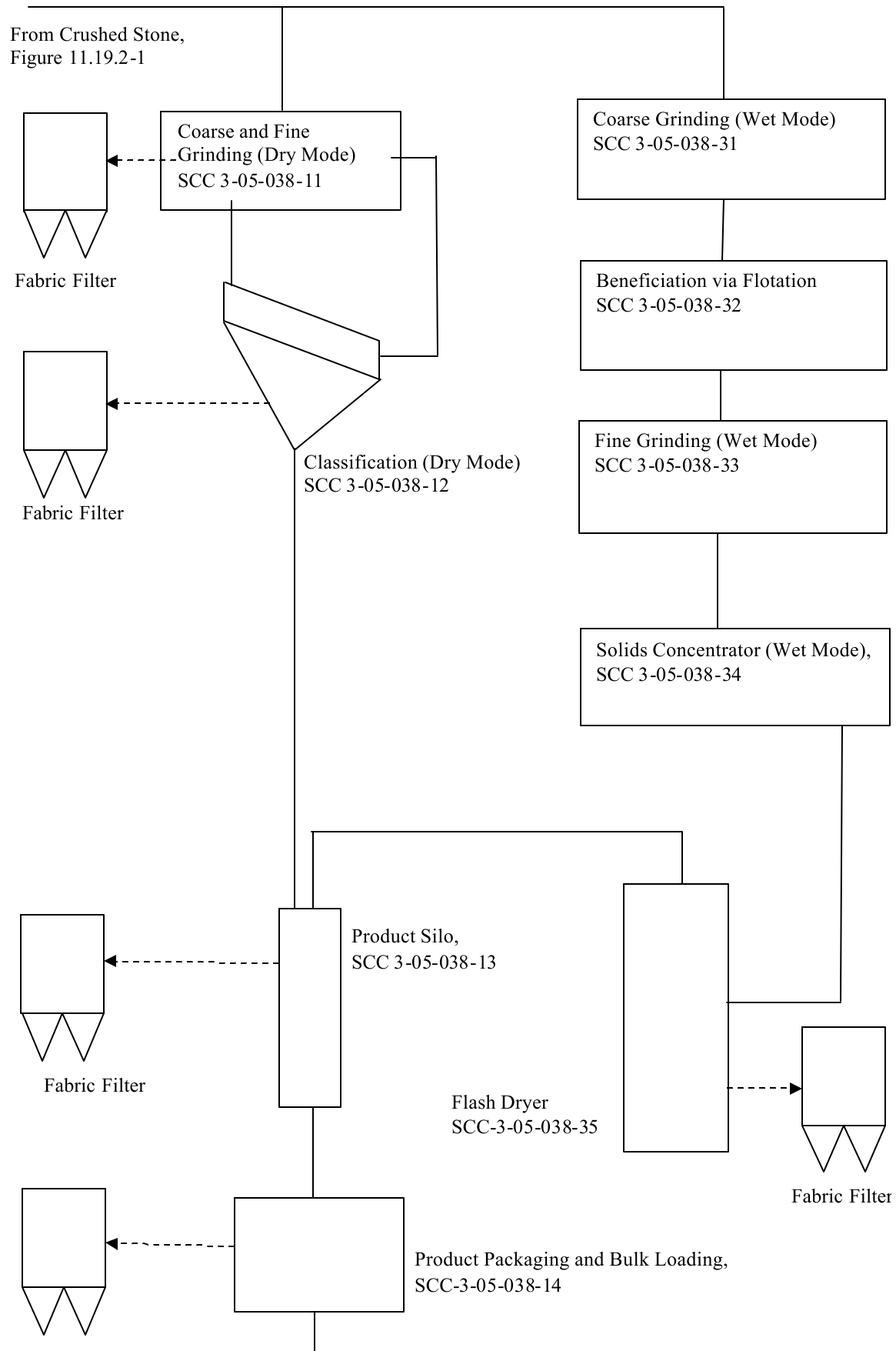


Figure 11.19.2-2 Flowchart for Pulverized Mineral Processing

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 ^e	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 x 10 ⁻⁵ⁱ	D	6.5 x 10 ^{-6q}	E
Wet Drilling - Unfragmented Stone (SCC 3-05-020-10)	ND		4.0 x 10 ^{-5j}	E	ND	
Truck Unloading - Fragmented Stone (SCC 3-05-020-31)	ND		8.0 x 10 ^{-6j}	E	ND	
Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32)	ND		5.0 x 10 ^{-5k}	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 x 10 ^{-5j}	D	1.3 x 10 ^{-5q}	E
Wet Drilling - Unfragmented Stone (SCC 3-05-020-10)	ND		8.0 x 10 ^{-5j}	E	ND	
Truck Unloading - Fragmented Stone (SCC 3-05-020-31)	ND		1.6 x 10 ^{-5j}	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.

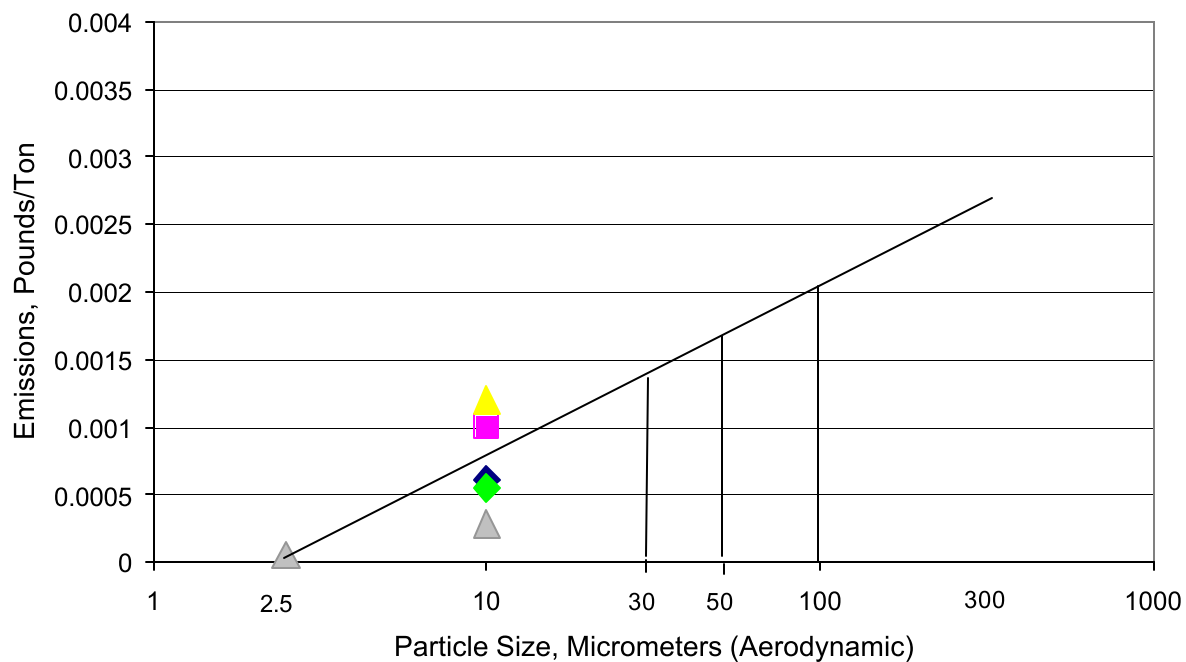


Figure 11-19-3. PM Emission Factor Calculation, Screening (Controlled)

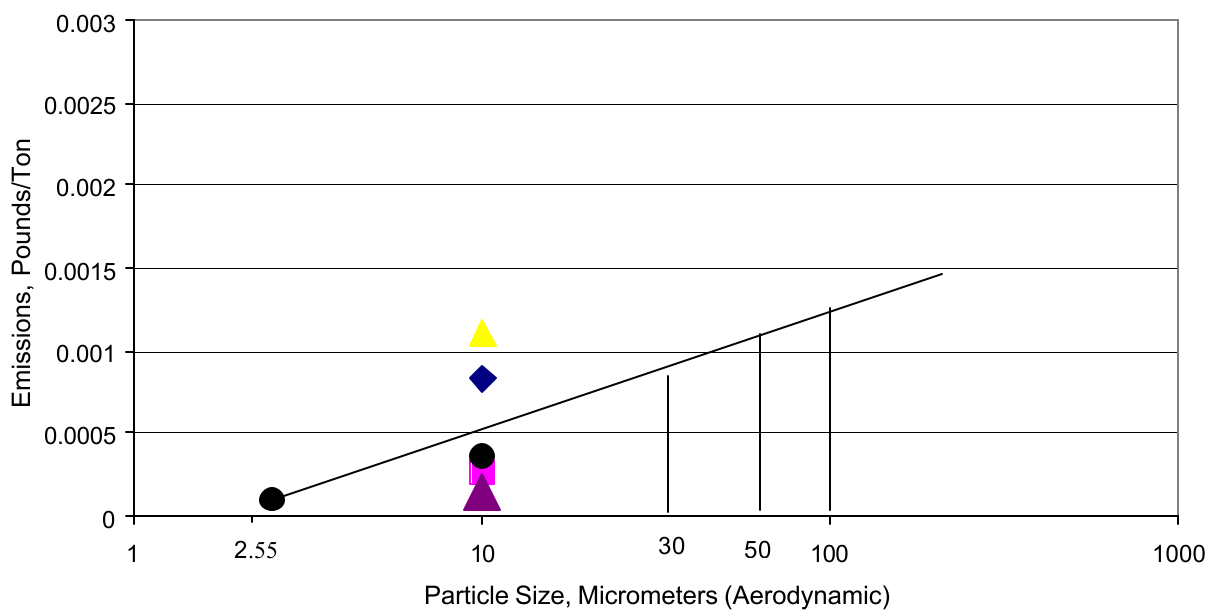


Figure 11.19-4. PM Emission Factor Calculation, Tertiary Crushing (Controlled)

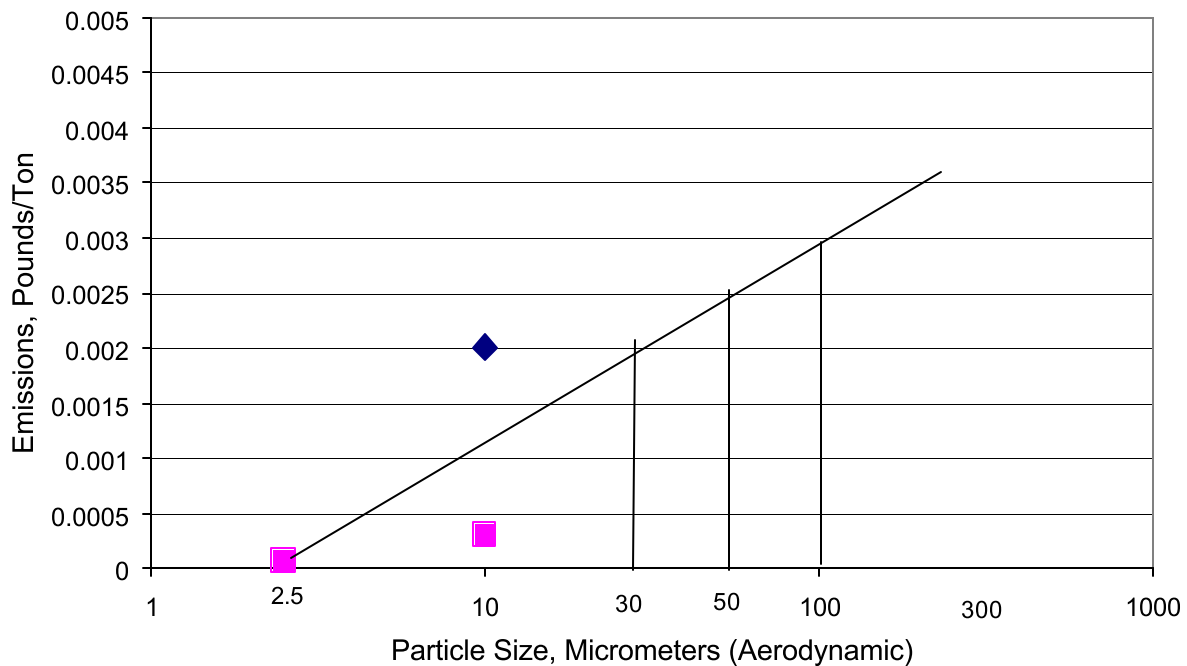


Figure 11-19.5. PM Emission Factor Calculation, Fines Crushing (Controlled)

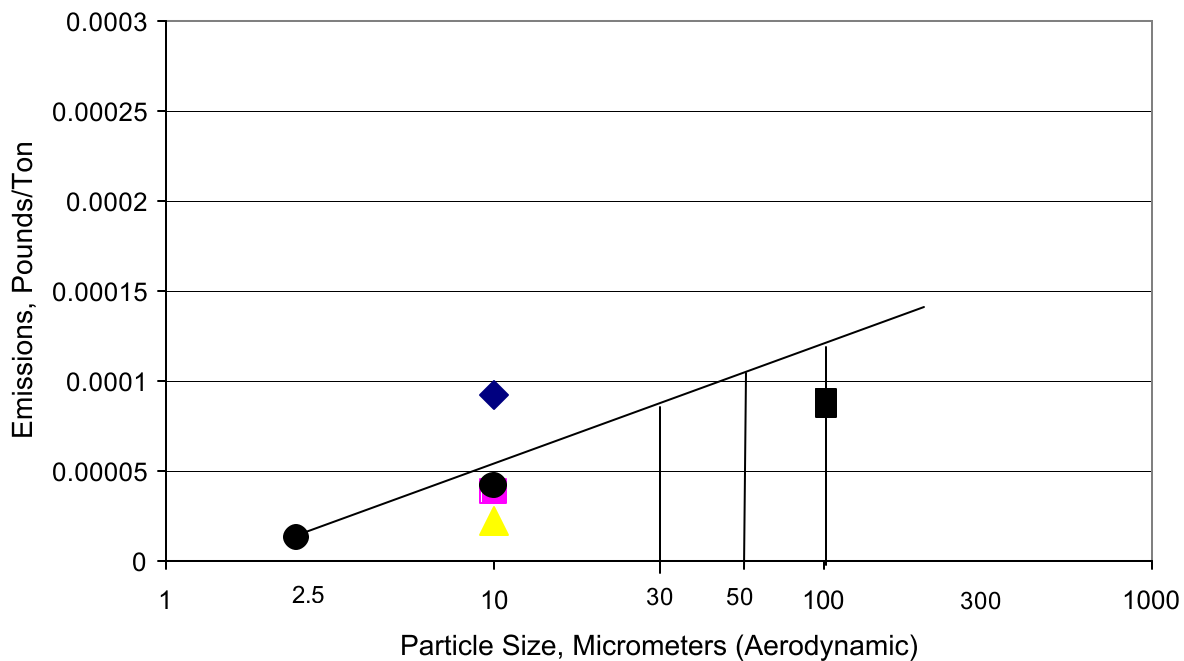


Figure 11.19-6. PM Emission Factor Calculation, Conveyor Transfer Points (Controlled)

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. Data 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

References for Section 11.19.2¹

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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
Taconite mining and processing	1	Various limestone products	8	0.8 - 14	3.9	8	0.46 - 5.0	2.1
		Pellets	9	2.2 - 5.4	3.4	7	0.05 - 2.0	0.9
Western surface coal mining	4	Tailings	2	ND	11	1	—	0.4
		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 Controls¹²⁻¹³

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

References For Section 13.2.4

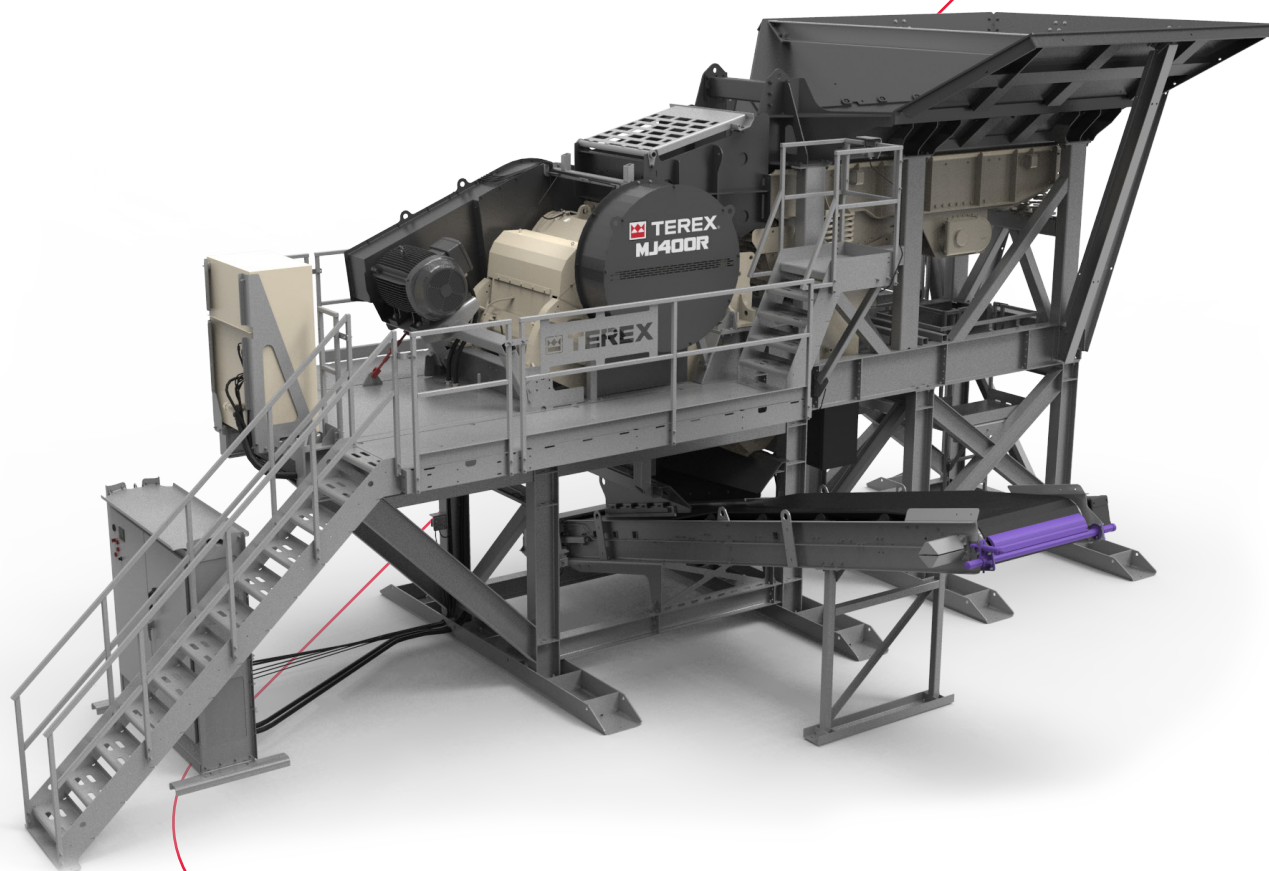
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CEDARAPIDS®
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Modular Plants

MJ400R Jaw Module



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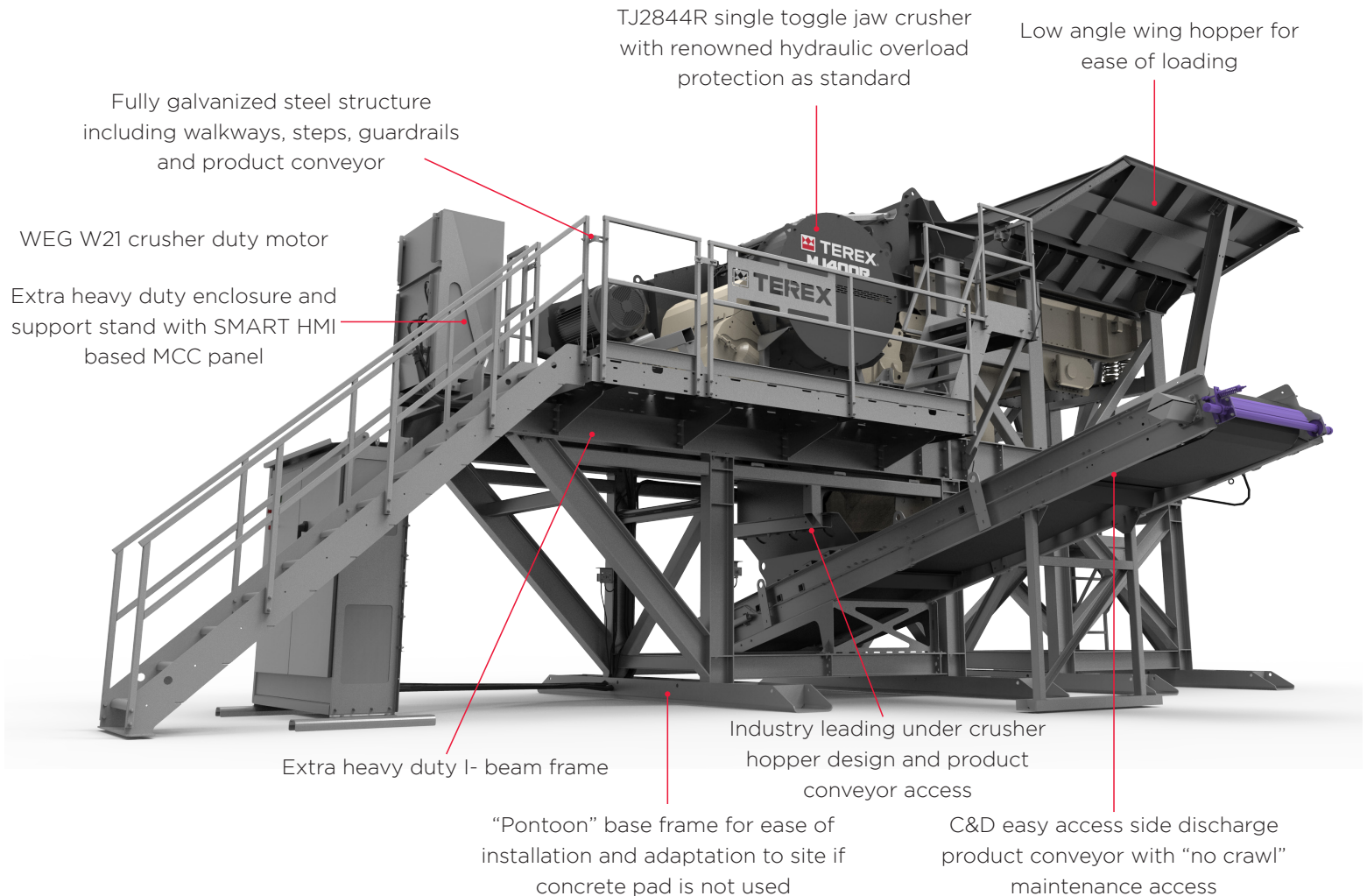
The MJ400R jaw module features the TJ2844R single toggle jaw crusher with renowned hydraulic overload protection as standard. It has a fully galvanized steel structure including walkways, steps, guardrails and product conveyor and is CE compliant.

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.

Standard Features

Jaw Crusher

- 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



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

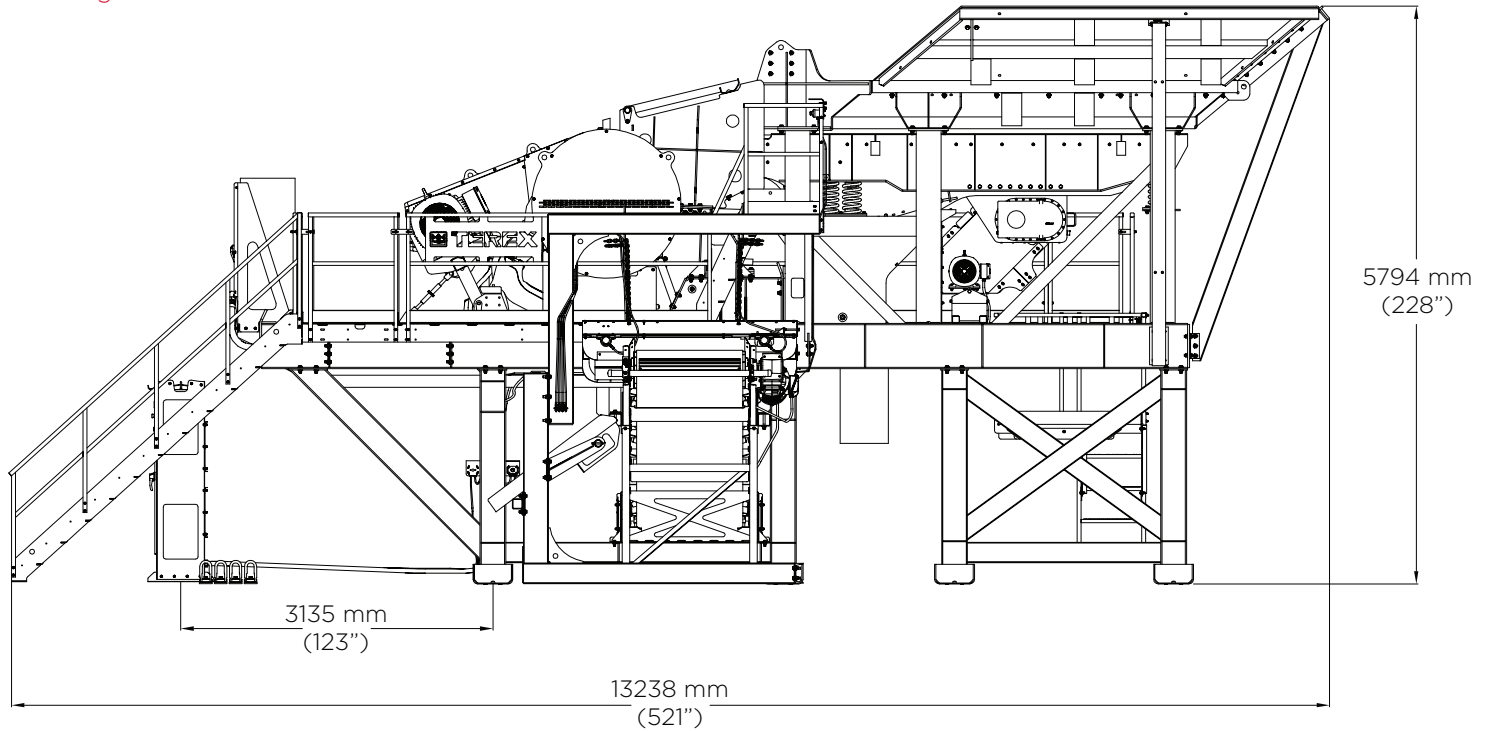
- Hopper body 20mm (3/4”) AR 400 construction with reinforcing ribs: 3.05m³ (4 yd³) standard hopper capacity

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. 8.41m³ (11 yd³)
- Twin pole magnet and off plant support stand kit
- Bulkhead
- Deduct of modular switchgear panel and wiring
- Switchgear panel

Drawing



Drawing shown with optional hopper wing.

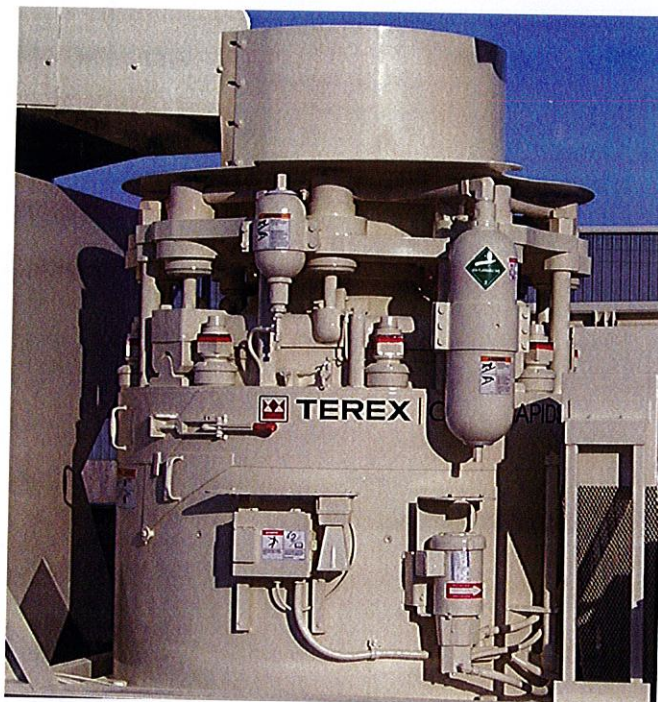
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ElJay® Rollercone® Classic and RCII | Specifications



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

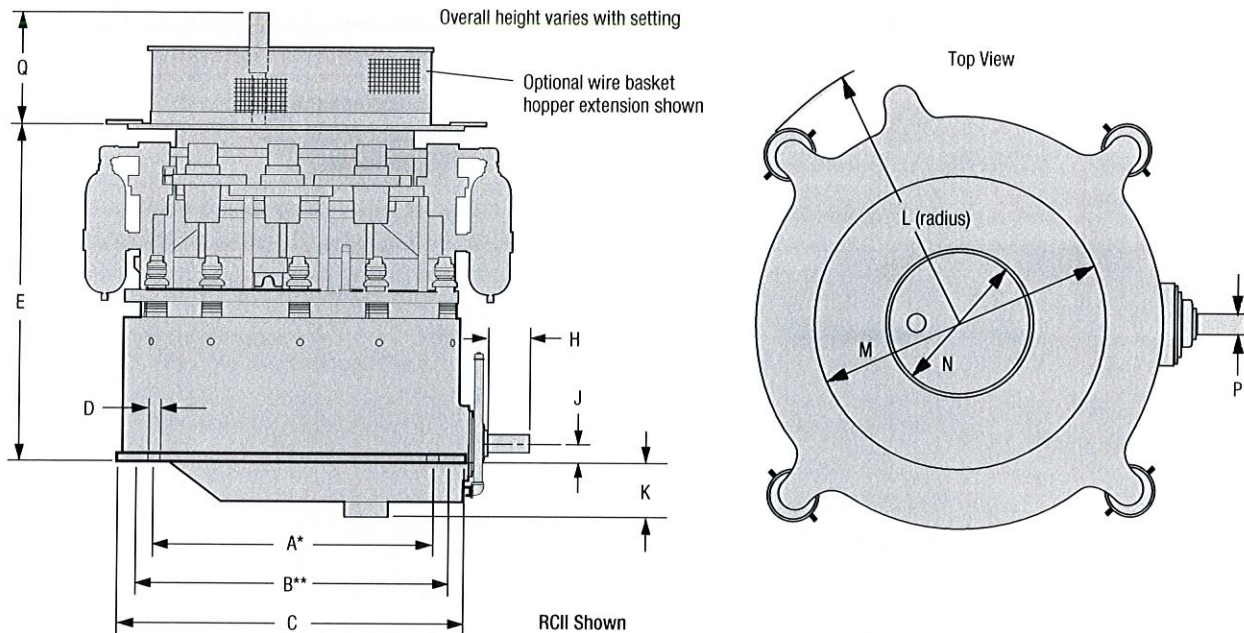
Portable plant mounted
 Wire basket hopper extension

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.

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.

Effective Date: April 2009. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2009 Terex Corporation.



Terex® MPS Modular Plants

MC1300 Cone Module



Terex® MPS Modular Plants

MC1300 Cone Module

Flexible, Robust Design with Logistics in Mind

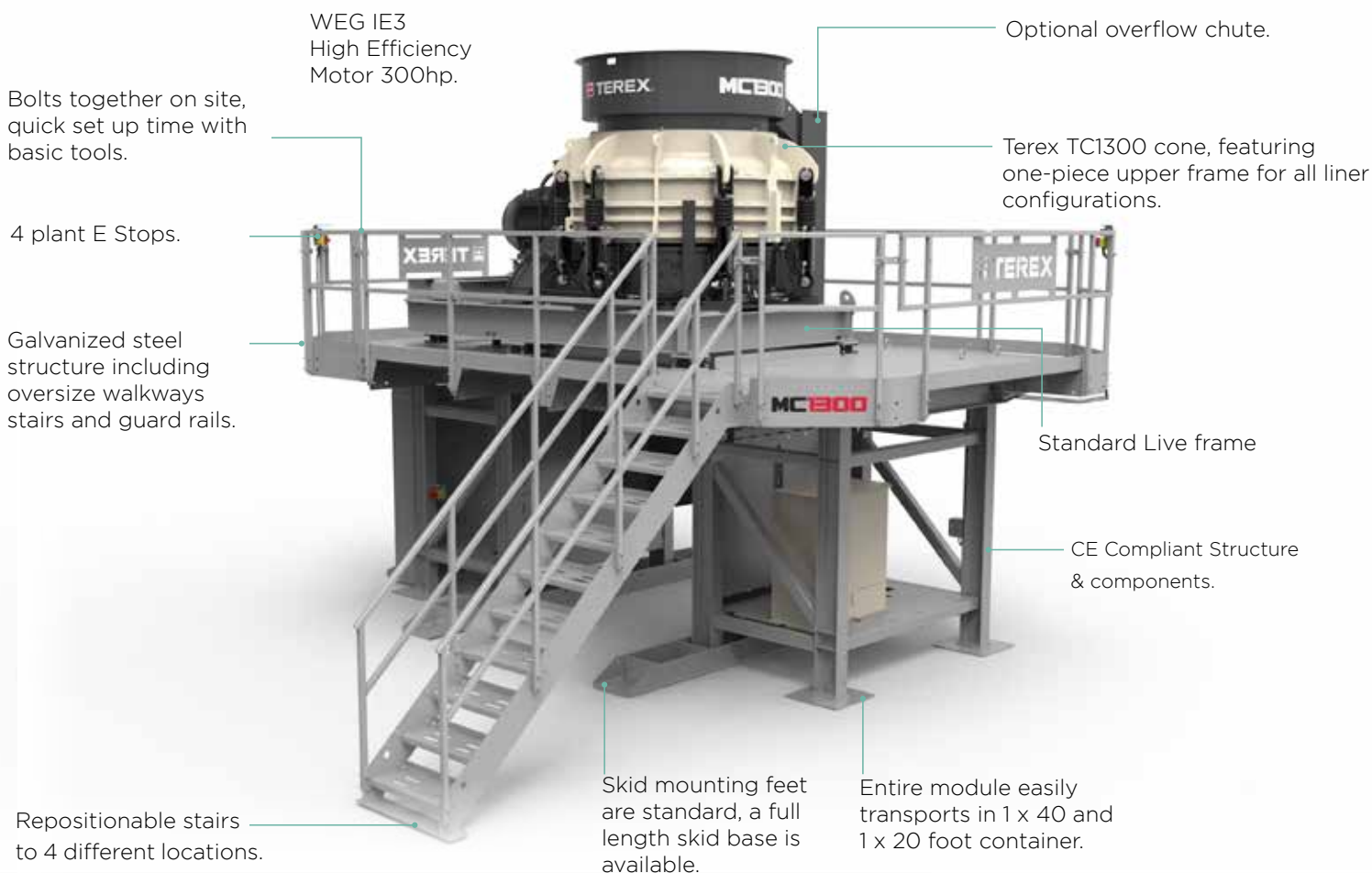
Designed around our proven, high-performance TC1000 & TC1150 cones, our TC1300 offers a nominal cone head diameter of 51"(1300 mm). It features a one-piece upper frame for all liner configurations, a no-hit concave and new mantle liner retention systems. Other enhancements include greater tramp clearance 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

India**Hosur**

Terex India Private Limited
E-18, Phase II, Expansion-II
SIPCOT Industrial Complex,
Hosur-635 109 Tamil Nadu, India
Tel: +91 4344 302000

Delhi

906- 907 , 9th floor, Palm Spring Plaza
Golf Course Road, DLF Phase 5,
Sector 54, Gurugram, Haryana 122003
Tel: +91 81306 96290

North America

909 17th Street NE
Cedar Rapids, IA 52402
Tel: +1 319 363 3511 or +1 800 821 5600
Fax: +1 319 399 4871

212 South Oak Street
Durand, MI 48429
Tel: +1 989 288 3121 or +1 888 571 8352
Fax: +1 989 288 4113

Europe, Russia & Africa

Farlough Road, Dungannon
Northern Ireland. BT71 4DT
Tel: +44 (0) 28 8744 0795

Central Asia, Turkey & North Africa Region

Mehmet Akif Ersoy Mah.287.SkNo 1/D
06172 Yenimahalle - Ankara Turkey
Tel: +90 312 354 90 90

Australia**Melbourne, Victoria**

133 Logis Boulevard
Dandenong South, VIC 3175
Tel: +61 3 8794 4100
Fax: +61 3 9706 7810

Sydney, New South Wales

114 Hassall St
Wetherill Park, NSW 2164
Tel: +61 2 9604 6524
Fax: +61 2 9604 9368

Brisbane, Queensland

585 Curtin Ave East
Eagle Farm, QLD 4009
Tel: +61 7 3630 0866
Fax: +61 7 3630 1097

Perth, Western Australia

4 Miles Rd
Kewdale, WA 6105
Tel: +61 8 6254 4100
Fax: +61 8 9350 5534

Middle East, East Africa, and SE Asia

Office # 305, Pinnacle Building
Sheikh Zayed Road, Al Barsha 1, Dubai, UAE
Tel: +971 4 399 0381
Fax : +971 4 399 0382

Malaysia

Subang Jaya, Selangor, Malaysia
Contact: Mr. Benjamin Tong
Tel: +60(3) 5622 6103 or +60(3) 5622 6199
Fax : +60(3) 5631 6211

Thailand

777/1, Moo 7, Bangplee-Tumru Road,
Bangpleeyai, Bangplee, Samutprakarn,
10540, Thailand
Tel: +66 2 316 4656 or +66 2 316 4658
Fax: +66 2 316 4660

www.terexmps.com

March 2018. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment.

Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale, and Terex makes no other warranty, express or implied. Terex, the Terex Crown design, Cedarapids, Canica, Simplicity, Jaques, El-Jay and Rollercone are trademarks of Terex Corporation or its subsidiaries. All rights are reserved. © 2018

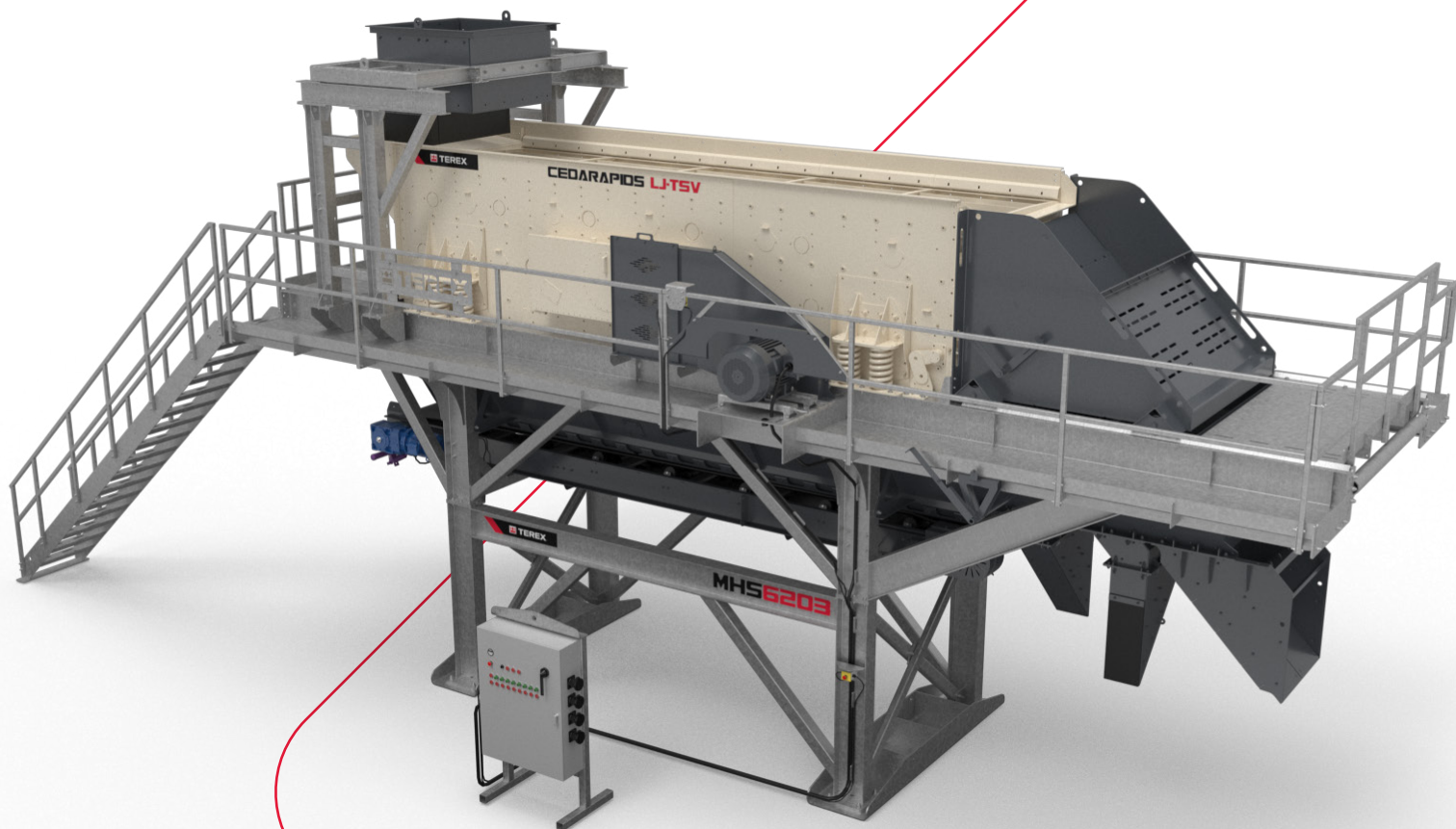


CEDARAPIDS®

A TEREX BRAND

Modular Plants

MHS6203 Screen Module



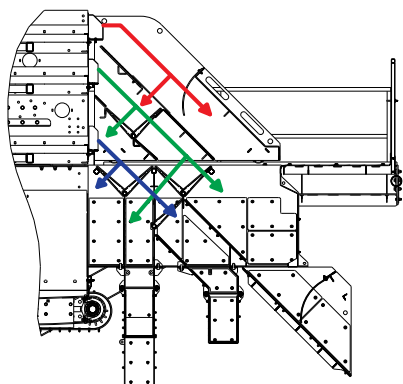
A world working better™

 **TEREX® MPS**

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.



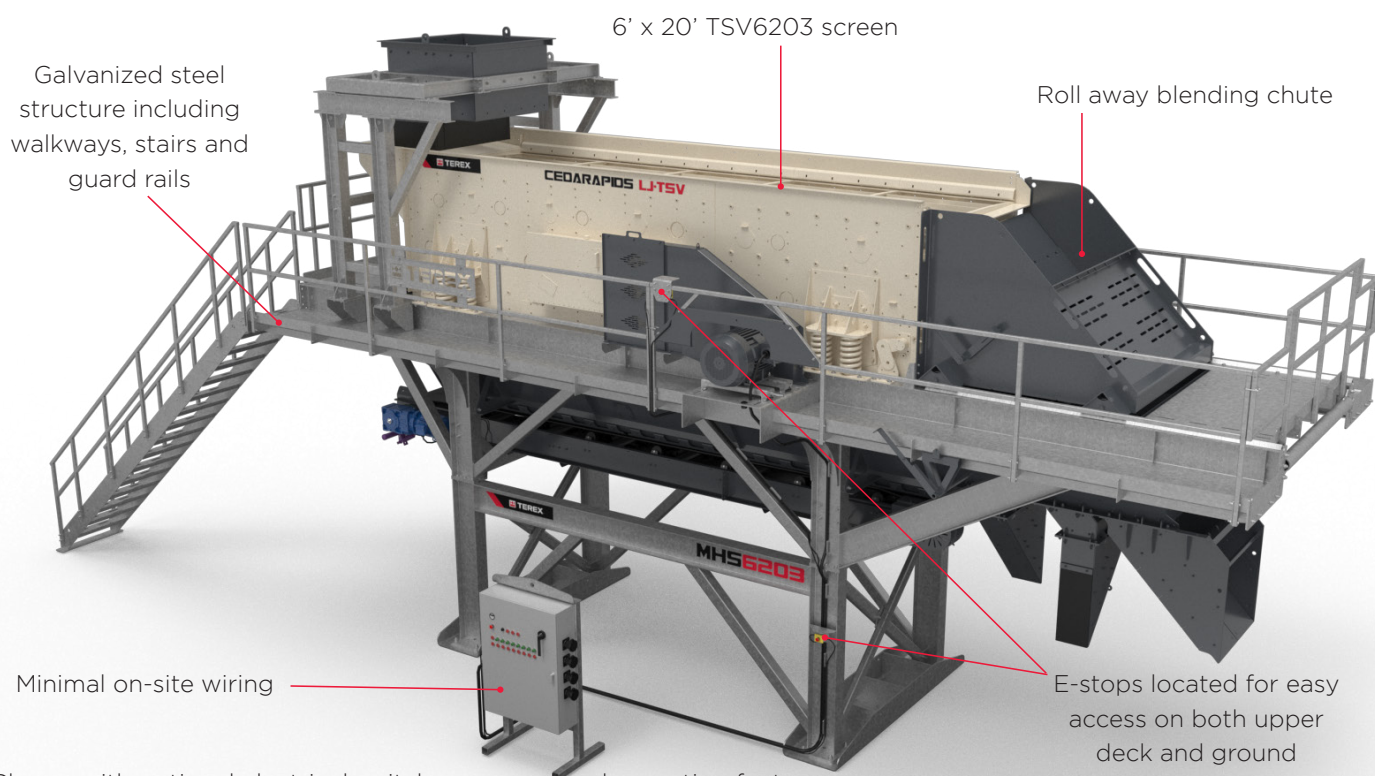
Standard Features

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-Jay™ 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

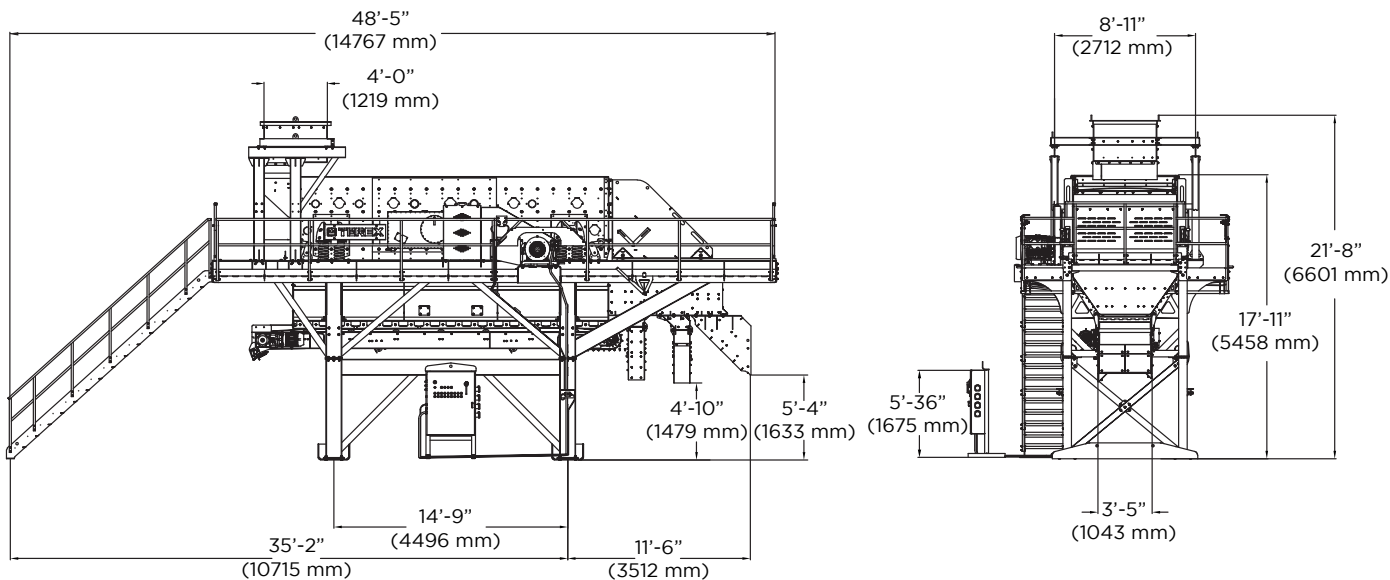
Power Panel

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

Optional equipment

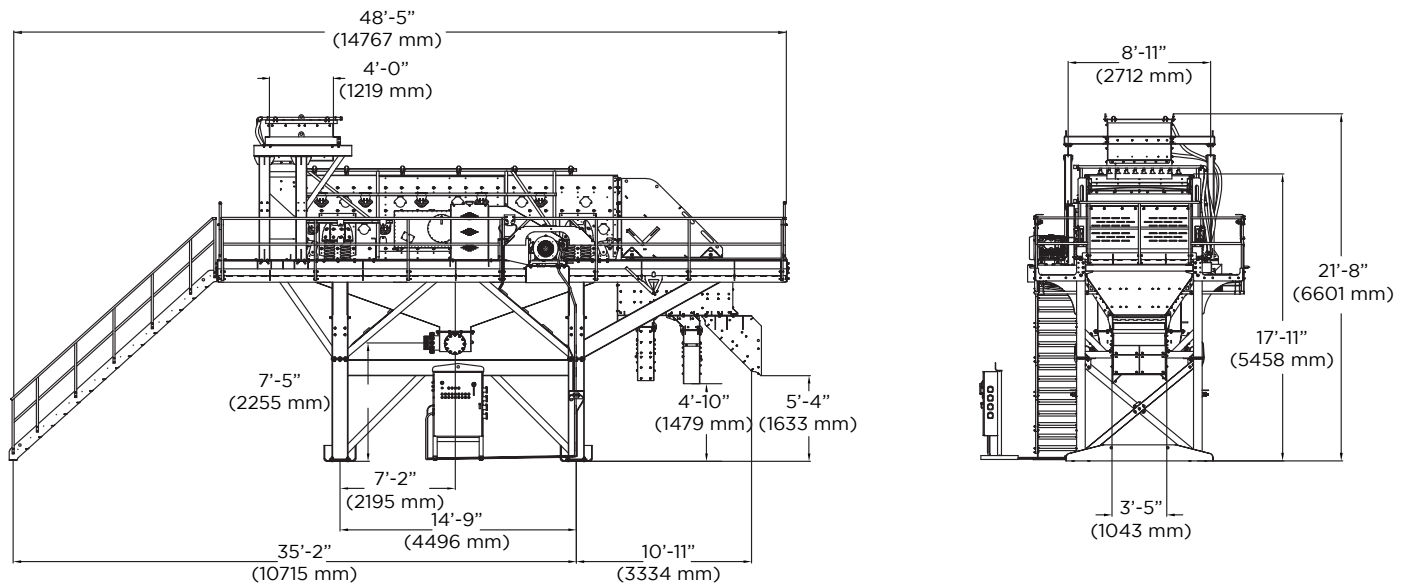
- Mounting feet for easy setup at site without concrete pads (full length skid bases also available)
- Electrical switchgear panel
- Off module conveyor starter kit for off-plant feed conveyor and four off-plant product conveyors
- Feed Box and Support Structure for Dry Screening - Rock Box Style material 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

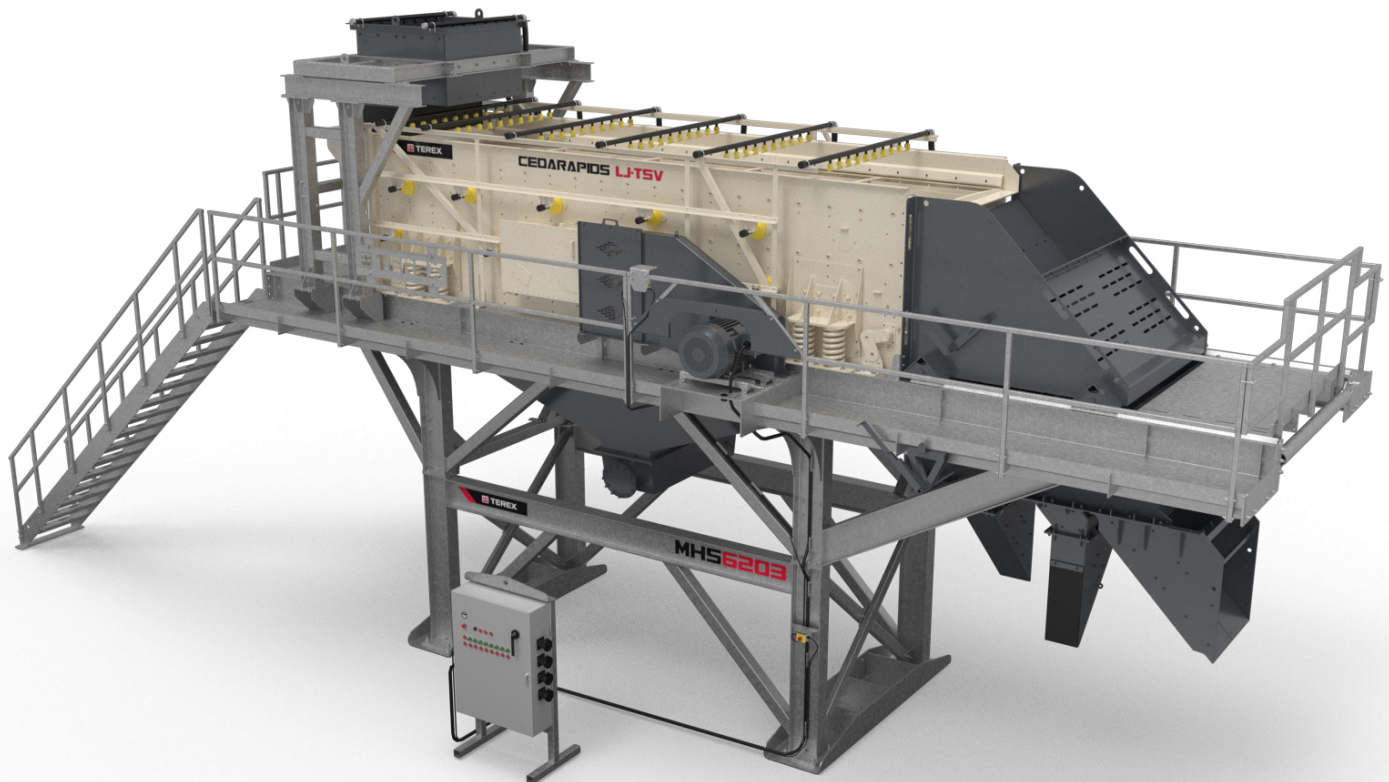


Shown with optional switchgear, mounting feet and feed box.

Working Dimensions - Wash Option



Shown with optional switchgear and mounting feet.



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mpsmarketing@terex.com

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Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

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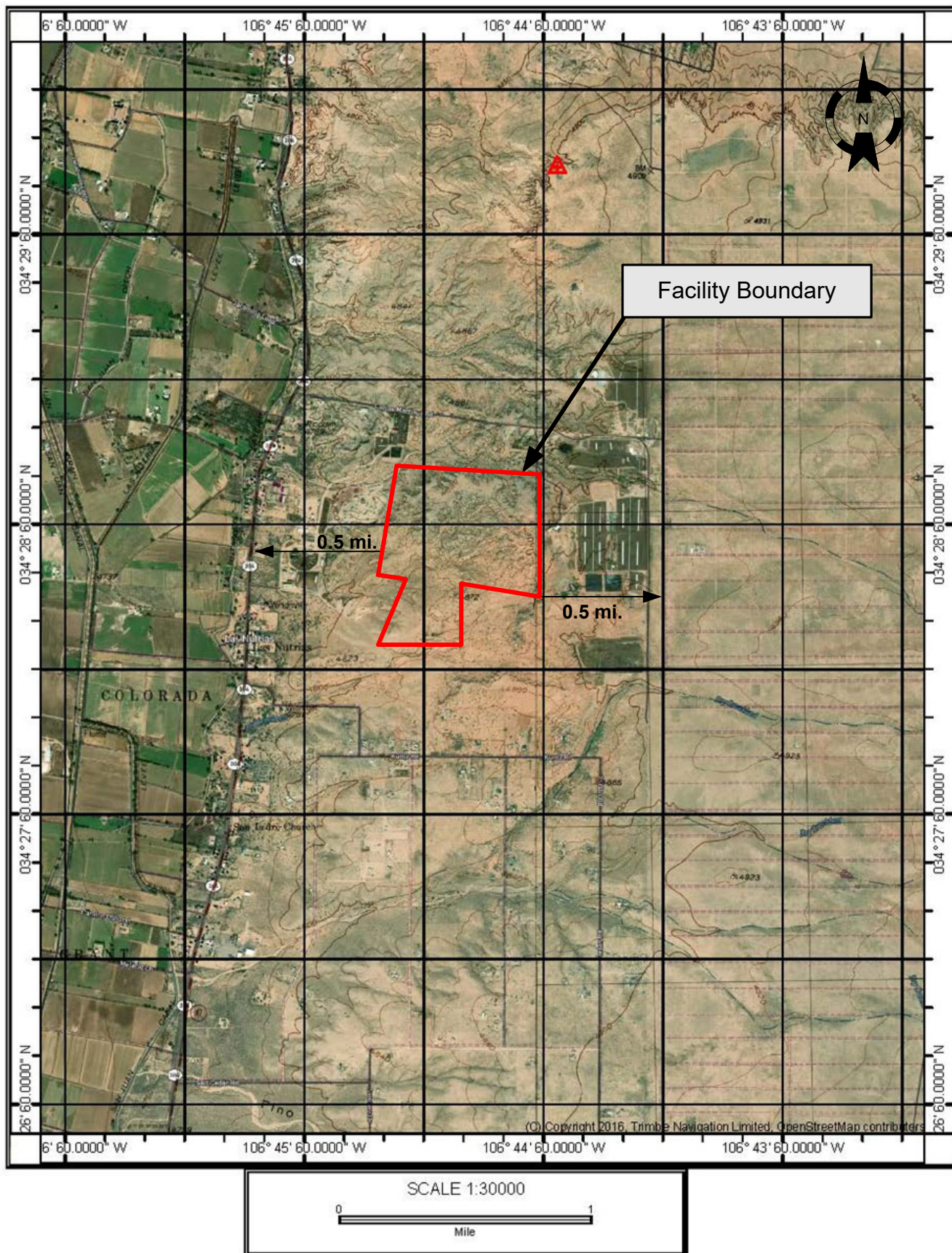
Section 8

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.



Area Map

Castillo Sand and Gravel

Scale: 1:30,000
 Drawn by: MDF
 Date: 1/29/2026
 Chk'd by: _____
 Date: _____

Veguita South Crusher Plant
 N 34° 28' 54.17" Latitude
 W -106° 45' 19.42" Longitude

Project No.: 098-007

File Name: Veguita South Area Maps

Figure: Section 8

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:

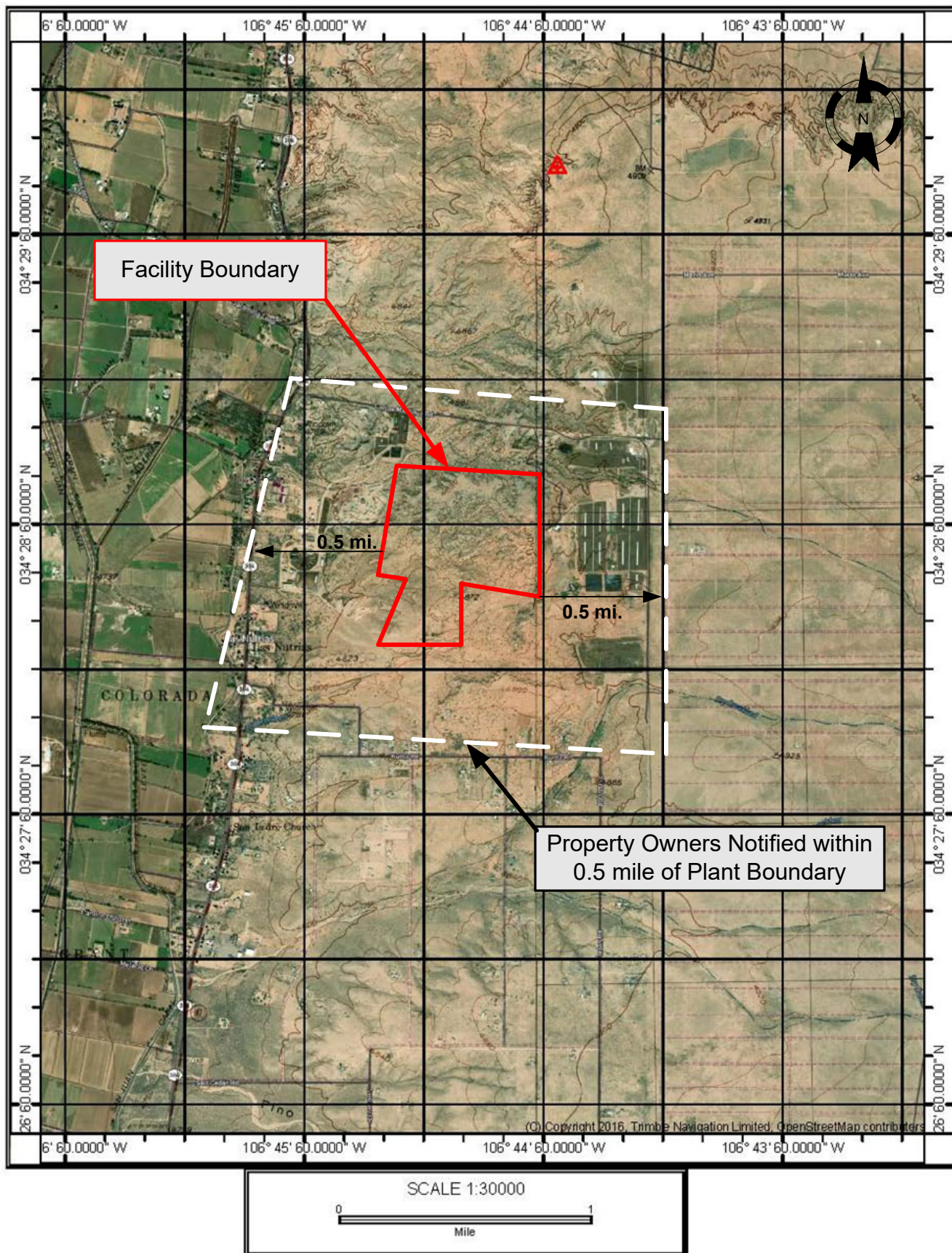
1. ☒ A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
 2. ☒ A list of the places where the public notice has been posted in at least four publicly accessible and conspicuous places, including the proposed or existing facility entrance. (e.g: post office, library, grocery, 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 February 5, 2026.

See affidavits of publication attached to this Section.



Area Map

Castillo Sand and Gravel

Scale: 1:30,000

Drawn by: MDF

Date: 1/29/2026

Chk'd by:

Date:

Veguita South Crusher Plant
 N 34° 28' 54.17" Latitude
 W -106° 45' 19.42" Longitude

Project No.: 098-007

File Name: Veguita South Area Maps

Figure: Section 9

Property Profile Socorro County

Account: R017567 Tax Year: 2025 Account Type:
Mill Levy: 34.304000 Version: 01/01/2024 Area ID: 5_NR_S
Estimated Tax: \$1,665.84 Parcel: 039-001-0066.02 Map Number:
*This mill levy is from the most recent tax roll Status: Active

Name and Address Information

CASTILLO RICHARD
C/O
6 LOPEZ LOOP
BELEN, NM 87002
UNITED STATES OF AMERICA

Property Location

No Location Information Available

Legal Description

Subd: CASA COLORADO Tract: A S: 17 T: 3N R: 2E 145.6818 ACRES.,

Assessment Information

2025	Actual	Assessed	Sq Ft	Acres	Taxable
Land	145,682	48,561		145.682	
Improvements					
Exempt	0				
Total	145,682	48,561		145.682	48,561
2024	Actual	Assessed	Sq Ft	Acres	Taxable
Land	116,545	38,848		145.682	
Improvements					
Exempt					
Total	116,545	38,848			38,848

User Remarks



NOTICE OF AIR QUALITY PERMIT APPLICATION

Castillo Prestress announces its application submittal to the New Mexico Environment Department for an air quality permit for the **modification** of its **existing sand/gravel/rock (aggregate) crushing** facility. The expected date of application submittal to the Air Quality Bureau is **February 11, 2026**.

The exact location for the proposed facility known as, **Veguita South Crusher Plant**, is at **latitude 34.481714 dec deg North and longitude -106.755394 dec deg West**. The approximate location of this facility is **1.2 miles northeast of Las Nutrias** in **Socorro** county.

The proposed **revision** consists of **increasing the amount of haul road trucks from 60 to 100 trucks per day**.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	3.27 pph	5.85 tpy
PM ₁₀	3.27 pph	5.85 tpy
PM _{2.5}	0.49 pph	0.88 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 ₂ e	n/a	n/a tpy

The standard and maximum operating schedules of the facility will be from **6 a.m. to 6 p.m. 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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a 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.

General information about air quality and the permitting process, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

Atención

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 505-629-7748.

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: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. 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.

Affidavit of Publication

STATE OF NEW MEXICO } SS
COUNTY OF SOCORRO }

Ad Cost: \$796.05
Ad Number: 356610
Account Number: 1110634
Classification:

I, Jessica Carranza, the undersigned, Legal Representative of the El Defensor Chieftain, on oath, state that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, chapter 167, Session Laws of 1937, and payment of fees has been made of assessed and a copy of which is hereto attached, was published in said publication in the daily edition, 1 time on the following date:

February 5, 2026

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

Legal Representative

Subscribed to and sworn to me this 9th day of February 2026.

Notary Public

Socorro County

ID#: 1124481

My commission expires: 3/8/2027

DEWESE ORTEGA
Notary Public - State of New Mexico
Commission # 1124481
My Comm. Expires Mar 8, 2027

Alliant Environmental, LLC
7804 Pan American Fwy. NE
Suite 5
Albuquerque, NM 87109

As an outdoor enthusiast, I can

NOTICE OF AIR QUALITY

Castillo Prestress announces its application submittal for an air quality permit for the **modification** of its **crushing** facility. The expected date of application is **February 11, 2026**.

The exact location for the proposed facility known as **latitude 34.481714 dec deg North and longitude -107.111111**. The location of this facility is **1.2 miles northeast of L**.

The proposed **revision** consists of **increasing the number of trucks per day**.

The estimated maximum quantities of any regulated air pollutant per hour (pph) and tons per year (tpy) and could be subject to the Department's review:

Pollutant:
Particulate Matter (PM)
PM ₁₀
PM _{2.5}
Sulfur Dioxide (SO ₂)
Nitrogen Oxides (NO _x)
Carbon Monoxide (CO)
Volatile Organic Compounds (VOC)
Total sum of all Hazardous Air Pollutants (HAPs)
Toxic Air Pollutant (TAP)
Green House Gas Emissions as Total CO ₂ e

The standard and maximum operating schedule is **5 days a week and a maximum of 52 weeks per year**.

The owner and/or operator of the Facility is: **Castillo Prestress**.

If you have any comments about the construction of the facility, your comments to be made as part of the permit process. Comments in writing to this address: Permit Processing Department; Air Quality Bureau; 525 Camino del Rio South, NE, Albuquerque, NM 87505-1816. Other comments and questions may be called at 505-224-7009.

Please refer to the company name and site name in all comments, since the Department may have not yet included a legible return mailing address with your comments. If a preliminary review of the application has been performed a preliminary review of the application notice will be published in the legal section of the

Affidavit of Publication

STATE OF NEW MEXICO } SS
COUNTY OF SOCORRO }

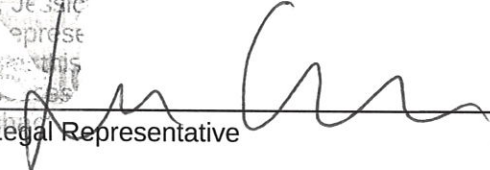
Ad Cost: \$206.81
Ad Number: 356870
Account Number: 1110634
Classification: GOVERNMENT LEGALS

I, Jessica Carranza, the undersigned, Legal Representative of the El Defensor Chieftain, on oath, state that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, chapter 167, Session Laws of 1937, and payment of fees has been made of assessed and a copy of which is hereto attached, was published in said publication in the daily edition, 1 time on the following date:

February 5, 2026

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

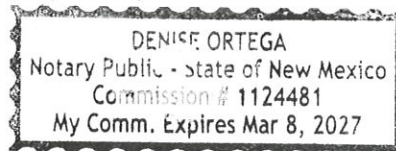


Legal Representative

Subscribed to and sworn to me this 6th day of February 2026.



Notary Public
Socorro County _____
ID#: 1124481
My commission expires: 3/8/2027



Alliant Environmental, LLC
7804 Pan American Fwy. NE
Suite 5
Albuquerque, NM 87109

NOTICE OF AIR QUALITY
PERMIT APPLICATION

Castillo Prestress announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its existing sand/gravel/rock (aggregate) crushing facility. The expected date of application submittal to the Air Quality Bureau is February 11, 2026. The exact location for the proposed facility known as, Veguita South Crusher Plant, is at latitude 34.481714 dec deg North and longitude -106.755394 dec deg West. The approximate location of this facility is 1.2 miles northeast of Las Nutrias in Socorro county.

The proposed revision consists of increasing the amount of haul road trucks from 60 to 100 trucks per day. The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and could change slightly during the course of the Department's review:

Pollutant:
Pounds per hour
Tons per year
Particulate Matter (PM)
3.27 pph
5.85 tpy
PM 10
3.27 pph
5.85 tpy
PM 2.5
0.49 pph
0.88 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
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 CO2e
n/a
n/a tpy

The standard and maximum operating schedules of the facility will be from 6 a.m. to 6 p.m. 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.

Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a 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.

General information about air quality and the permitting process, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

Atención

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 505-629-7748.

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: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. 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.

El Defensor Chieftain:
02/05/2026

Parcel No.	Name	Address			
R017572	PATRICIA L COIL REVOCABLE TRUST	10424 STONE CANYON RD APT 223N	DALLAS	TX	75230
R017573	CHIHUAHUA BIBLE CHAPEL	P.O. BOX 522	VEGUITA	NM	87062
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R017565	BACA, NICHOLAS ; BACA, LUCAS	5425 COPELAND PL. SW.	ALBUQUERQUE	NM	87105
R017582 R017566; R017580 R017578 R017579	GHOREISHI, SEYEDALI & MASSOUMEH ; HERAA INC.	P.O. BOX 591	VEGUITA	NM	87062
R017983	MILAVEC GRANDCHILDREN TRUST C/O SALLY ANN MILAVEC	4503 TRAIL CREST CIRCLE	AUSTIN	TX	78735-6323
R017463	THOMAS, NICANORA	P.O. BOX 693	VEGUITA	NM	87062
R017576	JARAMILLO, CLAYTON & ADRIENNE	1424 TERRAZAS COURT	LOS LUNAS	NM	87031
R017575	MARTINEZ, SALOMON P.	206 EDEAL RD.	LOS LUNAS	NM	87031
R017583	HANDLEY, DAVID E. & AUDREY S.	1134 HWY. 304	VEGUITA	NM	87062
R017571 R017568 R017569 R017570 R017586 R017585	RL JONES HOLDINGS LLC	PO BOX 560	VEGUITA	NM	87062
R017587	BACA KENNETH P	218 MARK DRIVE	BELEN	NM	87002
R017589	GONZALES, CESAR & ELIEZER J	1158 HWY 304	VEGUITA	NM	87062
R017590	ZENGERLY RONALD CLIFFORD	1502 W REINKEN AVE	BELEN	NM	87002
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
	Valencia County Manager, Jhonathan Aragon	PO BOX 1119, 444 LUNA AVENUE	LOS LUNAS	NM	87031
	Socorro County Manager, Joe Chavez	PO Box D, 198 Neel Ave	Socorro	NM	87801

January 26, 2026

To Whom It May Concern,

Castillo Prestress announces its application submittal to the New Mexico Environment Department for an air quality permit for the **modification** of its **existing sand/gravel/rock (aggregate) crushing** facility. The expected date of application submittal to the Air Quality Bureau is **February 11, 2026**.

The exact location for the proposed facility known as, **Veguita South Crusher Plant**, is latitude **34.481714** dec deg North and longitude **-106.755394** dec deg West. The approximate location of this facility is **1.2 miles northeast of Las Nutrias** in **Socorro** county.

The proposed **revision** consists of **increasing the amount of haul road trucks from 60 to 100 trucks per day**.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	3.27 pph	5.85 tpy
PM ₁₀	3.27 pph	5.85 tpy
PM _{2.5}	0.49 pph	0.88 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 ₂ e	n/a	n/a tpy

The standard and maximum operating schedules of the facility will be from **6 a.m. to 6 p.m. 6 days a week** and a maximum of **52 weeks per year**.

Owners and operators of the facility include **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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a 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.

Atención

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 505-629-7748.

Sincerely,

Richard Castillo

PO Box 640, Belen, NM 87002

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: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. 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.

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DOROTHY FLORES, CITY CLERK, CITY OF BELEN
Street and Apt. No., or PO Box No.
100 SOUTH MAIN STREET
City, State, ZIP+4®
BELEN, NM 87002

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BELEN, NM 87002

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Socorro, NM 87801

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☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78
Total Postage and Fees	\$6.08

Sent To
JOE CHAVEZ, SOCORRO COUNTY MANAGER
Street and Apt. No., or PO Box No.
P.O. Box D, 198 NEEL AVE
City, State, ZIP+4®
SOCORRO, NM 87801

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Dallas, TX 75230

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Postage	\$0.78
Total Postage and Fees	\$6.08

Sent To
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Street and Apt. No., or PO Box No.
10424 STONE CANYON RD, APT 223 N
City, State, ZIP+4®
DALLAS, TX 75230

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Los Lunas, NM 87031

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☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
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Postage	\$0.78
Total Postage and Fees	\$6.08

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Shona than Arason, VALENCIA COUNTY MANAGER
Street and Apt. No., or PO Box No.
P.O. Box 1119, 444 LUNA AVENUE
City, State, ZIP+4®
LOS LUNAS, NM 87031

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Veguita, NM 87062

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JOSEPHINE C. CHAVEZ
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P.O. Box 473
City, State, ZIP+4®
VEGUITA, NM 87062

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Submittal of Public Service Announcement – Certification

I, Martin Schluep, the undersigned, certify that on **1/29/2026**, submitted a public service announcement to "KBNM Eagle 98.7" that serves the **City of Belen, Socorro County**, New Mexico, in which the source is located and that **KBNM Eagle 98.7 DID NOT RESPOND**.

Signed this 10th day of February, 2026.

M. Schluep
Signature

2/10/2026
Date

Martin Schluep
Printed Name

Principal Consultant with Alliant Environmental, LLC
Title

01/29/2026

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 Environmental Department for an air quality construction permit revision application for the existing Veguita South Crusher Plant. The existing crusher plant consists of rock crushers, screens, conveyors, a sand and gravel wash plant, etc. The facility is powered by line power. No generator engines are installed at this facility. The proposed permit revision consists of increasing the amount of haul road trucks from 60 to 100 trucks per day at the facility.

The facility is located approximately 1.2 miles northeast of Las Nutrias 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:

New Mexico Environment Department, Air Quality Bureau – Permitting Section, 525 Camino de los Marquez, Suite 1, Santa Fe, NM 87505-1816. Phone number (505) 476-4300.

End of PSA.

Sincerely,

ALLIANT ENVIRONMENTAL, LLC

Martin R. Schluep
Principal

General Posting of Notices – Certification

I, Richard Castillo, the undersigned, certify that on 2-11, 2026, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **City of Belen** of ~~Socorro~~ **Socorro** County, State of New Mexico on the following dates:
Valencia

1. Facility Entrance on 2 / 11 / 2026
2. Belen Public Library on 2 / 11 / 2026
3. City of Belen City Hall 2 / 11 / 2026
4. Belen USPS 2 / 11 / 2026

Signed this 11 day of February, 2026.



Signature

Richard Castillo

Printed Name

President, Castillo Prestress

Title

NOTICE

Castillo Prestress announces its application to the New Mexico Environment Department for an air quality permit for the **modification** of its **existing sand/gravel/rock (aggregate) crushing** facility. The expected date of application submittal to the Air Quality Bureau is **February 11, 2026**.

The exact location for the proposed facility known as, **Veguita South Crusher Plant**, is at latitude **34.481714** dec deg North and longitude **-106.755394** dec deg West. The approximate location of this facility is **1.2 miles northeast of Las Nutrias in Socorro county**.

The proposed **revision** consists of **increasing the amount of haul road trucks from 60 to 100 trucks per day**.

The estimated maximum quantities of any regulated air contaminants will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	3.27 pph	5.85 tpy
PM ₁₀	3.27 pph	5.85 tpy
PM _{2.5}	0.49 pph	0.88 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 ₂ e	n/a	n/a tpy

The standard and maximum operating schedules of the facility will be from **6 a.m. to 6 p.m. 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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009. 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.

Atención

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 505-629-7748.

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: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. 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.

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 operates 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 is permitted to operate with a production limit of 300 tons per hour and 1,314,000 tons per year. The annual hours of operation are 3,744 hours per year. The daily and maximum operating hours 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 stockpiles.

With this application Castillo Prestress is updating the amount of trucks per day to transport material off site, and changing the type of haul road dust control used. Fugitive dust generated during aggregate processing will be controlled by applying surfactant and base course instead of the currently permitted water spray and base course. 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):

Veguita South Crusher Plant. See UA2 for a list of equipment.

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: **5.85** TPY
- g. PM2.5: **0.88** 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

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. **N/A**

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 RELEVANT 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/>

Example of a Table for State Regulations:

State Regulation 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. The facility is subject to 20.2.3 NMAC; however, NMED has approved a modeling waiver for this project. Therefore, compliance with 20.2.3 NMAC (and with the NAAQS) is demonstrated through the approved waiver. See attached modeling waiver submitted with this application. Previous air dispersion modeling was performed in the April 2021 permit application.
20.2.7 NMAC	Excess Emissions	Yes	Facility	This regulation establishes requirements for the facility if operations at the facility result in any excess emissions. The owner or operator will operate the source at the facility having an excess emission, to the extent practicable, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. The Facility will also notify the NMED of any excess emissions per 20.2.7.110 NMAC.
20.2.23 NMAC	Fugitive Dust Control	No	N/A	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. 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. As this site is located in Socorro County, 20.2.30 NMAC does not apply.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	This facility does not have gas burning equipment (external combustion emission sources, such as gas fired boilers and heaters) installed, therefore it is not subject to 20.2.33 NMAC.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	This facility does not have oil burning equipment (external combustion emission sources, such as oil-fired boilers and heaters) installed, therefore it is not subject to 20.2.33 NMAC.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	Veguita South Crusher Plant is not a Natural Gas Processing Plant; therefore, it is not subject to the requirements of 20.2.35 NMAC.
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	No	N/A	Veguita South Crusher Plant is not a Petroleum Processing Facility; therefore, it is not subject to the requirements of 20.2.36 and 37 NMAC.
20.2.38 NMAC	Hydrocarbon Storage Facility	No	N/A	Veguita South Crusher Plant is not a hydrocarbon storage facility; therefore, it is not subject to the requirements of 20.2.38 NMAC.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	Veguita South Crusher Plant is not a sulfur recovery plant; therefore, it is not subject to the requirements of 20.2.38 NMAC.

State Regulation 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.)
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	No	N/A	Not applicable as this site is not an oil and gas production, processing, compression or transmission source.
20.2.61.109 NMAC	Smoke & Visible Emissions	No	N/A	Not applicable as this site does not have stationary combustion equipment (such as engines, boilers, heaters, and flares) sources installed.
20.2.70 NMAC	Operating Permits	No	N/A	This facility is not a major source as defined by this rule.
20.2.71 NMAC	Operating Permit Fees	No	N/A	This facility is not subject to 20.2.70 NMAC; therefore it is not subject to 20.2.71 NMAC.
20.2.72 NMAC	Construction Permits	Yes	Facility	The Veguita South Crusher Plant currently operates under Permit Number NSR-9218. This application is being submitted as an NSR Permit Modification.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	This site is not subject to NOI requirements under 20.2.73.200 NMAC. However, Emissions Inventory Reporting could be required per 20.2.73.300(A)(1) NMAC if the facility is subject to 20.2.72 NMAC. Therefore, the facility is subject to subpart 20.2.73 NMAC.
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, and the modification are below PSD thresholds.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This facility is subject to 20.2.72 NMAC and is in turn subject to 20.2.75.10, 11 permit fee, and 11.E NMAC annual fees, per 20.2.75.2(A).
20.2.77 NMAC	New Source Performance	Yes	Units 6-48	Units 6-48 are subject to the requirements of 40 CFR Part 60 Subpart A and Subpart OOO. Therefore, per 20.2.77.2, this facility is subject to 20.2.77 NMAC. See the Federal Regulations section below for more information.
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 this 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. No source at this facility emits HAPs nor are any units subject to 40 CFR Part 63, therefore it is not subject to 20.2.82 NMAC.

Example of a Table for Applicable Federal Regulations (Note: This is not an exhaustive list):

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	As this site is subject to 20.2.72 NMAC, it is subject to the National Ambient Air Quality Standards. See attached modeling waiver submitted with this application demonstrating compliance with 40 CFR 50. Previous air dispersion modeling was performed in the April 2021 permit application.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	Units 6-48 are subject to Subpart in 40 CFR 60 Subpart OOO, therefore Subpart A applies. See the regulation Subpart OOO below for more information.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for Electric Utility Steam Generating Units	No	N/A	Establishes PM, SO ₂ and NO _x emission limits/standards of performance for steam generating units with a heat input capacity greater than 250 MMBtu/hr. As there are no electric steam generating units at this site, this rule does not apply.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	No	N/A	(a) The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 million Btu/hour). As there are no electric steam generating units onsite, this rule does not apply.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	Applicability: facility has steam generating units for which construction, modification or reconstruction is commenced after June 9, 1989 and that have a maximum design heat input capacity of 29 MW (100 MMBtu/hr) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr). As there are no steam generating units onsite, this rule does not apply.
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	As there are no storage tanks at this site, this regulation does not apply.
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	As there are no storage tanks at this site, this regulation does not apply.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	As there are no turbines at this site, this regulation does not apply.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	No	N/A	This regulation applies to an affected Facility with Leaks of VOC from Onshore Gas Plants that commences construction, reconstruction, or modification between January 20, 1984 and August 23, 2011. Veguitas South Crusher Plant is not a gas plant, therefore this regulation does not apply.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions	No	N/A	This regulation applies to natural gas processing plants, including a sweetening unit followed by a sulfur recovery unit, constructed between January 20, 1984 and August 23, 2011. Veguitas South Crusher Plant is not a natural gas processing plant, therefore this regulation does not apply.
NSPS 40 CFR Part 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	Yes	Units 6, 7, 8, 9, 10 and 21-48	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. Per 40 CFR Part 60 Subpart OOO 60.670(a)(1), Castillo Prestress' Veguita South Crusher Plant will comply with any applicable requirements of Subpart OOO.
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015	No	N/A	The rule applies to "affected" facilities that are constructed, modified, or reconstructed after Aug 23, 2011 (40 CFR 60.5365): gas wells, including fractured and hydraulically refractured wells, centrifugal compressors, reciprocating compressors, pneumatic controllers, certain equipment at natural gas processing plants, sweetening units at natural gas processing plants, and storage vessels. Veguita South Crusher Plant is not located within the Crude Oil and Natural Gas source category as defined in 60.5365b, therefore this subpart does not apply.
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	No	N/A	Veguita South Crusher Plant is not located within the Crude Oil and Natural Gas source category as defined in 60.5365b, therefore this subpart does not apply.
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	There are no compression ignition engines at this site; therefore, this regulation does not apply.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	There are no stationary spark ignition internal combustion engines at this site; therefore, this regulation does not apply.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	As there are no electric generating units onsite, this regulation does not apply
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	As there are no electric generating units onsite, this regulation does not apply.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	This site is not a MSW; therefore, these regulations do not apply.
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	There are no Subparts of 40 CFR Part 61 that apply to equipment at this site; therefore, Subpart A does not apply.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	No	N/A	As this site does not 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, this regulation does not apply.
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). There is no equipment at this site that operates in VHAP service; therefore, this regulation does not apply.
MACT 40 CFR 63, Subpart A	General Provisions	No	N/A	There are no Subparts of 40 CFR Part 63 that apply to equipment at this site; therefore, Subpart A does not apply.
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	No	N/A	Veguita South Crusher Plant is not an oil and gas facility.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
MACT 40 CFR 63 Subpart HHH		No	N/A	Vegueta South Crusher Plant 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	This regulation does not apply as there are no electric utility steam generating units onsite.
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 Stationary Reciprocating Internal Combustion 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, per 64.2(a).
40 CFR 68	Chemical Accident Prevention	No	N/A	This site does not have more than a threshold quantity of a regulated substance to this regulation, as determined under §68.115, listed in part 40 CFR 68.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	This regulation does not apply as this facility does not generate commercial electric power or electric power for sale. The 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 regulation does not apply as this facility does not generate commercial electric power or electric power for sale. The site does not meet the applicability requirements of 40 CFR 73.2.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	This regulation does not apply as this facility does not generate 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. Therefore this part doesn't apply.
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	Not applicable as this site does not meet any of the following: (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.

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 maintains 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: www.env.nm.gov/air-quality/permitting-section-procedures-and-guidance/. 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.

Not applicable. The Veguita South Crusher Plant does not have an alternative operating scenario.

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.

FW: [EXTERNAL] Modeling Waiver Request for Permit No. 9218

From Fong, Bryant, ENV <bryant.fong@env.nm.gov>
Date Tue 1/27/2026 3:45 PM
To Martin Schluep <mschluep@alliantenv.com>
Cc Mustafa, Sufi A., ENV <sufi.mustafa@env.nm.gov>

 1 attachment (286 KB)

SouthVeguitaCrusherPlant_01282026_Modeling Waiver.pdf;

Martin,

I am a air dispersion modeler with NMED and was asked to review your modeling waiver request.

Please see approved modeling waiver attached.

Thank you

Bryant F

From: Martin Schluep <mschluep@alliantenv.com>
Sent: Tuesday, January 20, 2026 3:02 PM
To: Mustafa, Sufi A., ENV <sufi.mustafa@env.nm.gov>
Subject: [EXTERNAL] Modeling Waiver Request for Permit No. 9218

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Sufi,

Attached for your review and consideration is a modeling waiver request for a proposed significant revision application for Permit No. 9218. The South Veguita Crusher Plant is permitted under Permit No. 9218 and the owner, Castillo Prestress, wishes to increase the daily number of allowed haul trucks from 60 to 100 trucks per day. In addition, they will apply surfactant and base course as a control method, which is more effective than the current water spray and base course method. Using surfactant will reduce the controlled PM2.5 and PM10 emission rates from the haul road and site-wide, even if the trucks per day are increased.

Modeling was done for this site in 2021. I have evaluated the modeling results from 2021 and updated the PM2.5 annual standard and added current background data to the 2021 modeled results. The site is still below 95% of the all standards.

Please contact me anytime if you have any questions.

Thank you,
Martin

New Mexico Environment Department Air Quality Bureau Modeling Section 525 Camino de Los Marquez - Suite 1 Santa Fe, NM 87505 Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/air-quality/		For Department use only: Approved by: Bryant Fong Date: 01/27/2026
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Air Dispersion Modeling Waiver Request Form

This form must be completed and submitted with all air dispersion modeling waiver requests.

If an air permit application requires air dispersion modeling, in some cases the demonstration that ambient air quality standards and Prevention of Significant Deterioration (PSD) increments will not be violated can be satisfied with a discussion of previous modeling. The purpose of this form is to document and streamline requests to certify that previous modeling satisfies all or some of the current modeling requirements. The criteria for requesting and approving modeling waivers are found in the Air Quality Bureau Modeling Guidelines. Typically, only construction permit applications submitted per 20.2.72, 20.2.74, or 20.2.79 NMAC require air dispersion modeling. However, modeling is sometimes also required for a Title V permit application.

A waiver may be requested by e-mailing this completed form in **MS Word** format to the modeling manager, sufi.mustafa@env.nm.gov.

This modeling waiver is not valid if the emission rates in the application are higher than those listed in the approved waiver request.

Section 1 and Table 1: Contact and facility information:

Contact name	Martin Schluep
E-mail Address:	mschluep@alliantenv.com
Phone	(505) 205-4819
Facility Name	Veguita South Crusher Plant
Air Quality Permit Number(s)	9218
Agency Interest Number (if known)	
Latitude and longitude of facility (decimal degrees)	34.48171389; -106.75539444

General Comments: (Add introductory remarks or comments here, including the purpose of and type of permit application.)

Castillo Prestress will be submitting a significant permit revision application for the Veguita South Crusher Plant authorized under NSR Permit No. 9218. Currently the site is allowed for 60 haul trucks per day. The facility would like to increase the allowed haul trucks to 100 trucks per day. In addition, the site will change from using water spray and base course to surfactant and base course for fugitive dust control on all haul roads. This more stringent control method will reduce haul road emissions even if haul truck per day are increased.

Section 2 – List All Regulated Pollutants from the Entire Facility - Required

In Table 2, below, list all regulated air pollutants emitted from your facility, except for New Mexico Toxic Air Pollutants, which are listed in Table 6 of this form. All pollutants emitted from the facility must be listed whether or not a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

Table 2: Air Pollutant summary table (Check all that apply. Include all pollutants emitted by the facility):

Pollutant	Pollutant is not emitted at the facility and modeling or waiver are not required.	Pollutant does not increase in emission rate at any emission unit (based on levels currently in the permit) and stack parameters are unchanged. Modeling or waiver are not required.	Stack parameters or stack location has changed.	Pollutant is new to the permit, but already emitted at the facility.	Pollutant is increased at any emission unit (based on levels currently in the permit).	A modeling waiver is being requested for this pollutant.	Modeling for this pollutant will be included in the permit application.
CO	X						
NO ₂	X						
SO ₂	X						
PM10		X				X	
PM2.5		X				X	
H ₂ S	X						
Reduced S	X						
O ₃ (PSD only)	X						
Pb	X						

Section 3: Pollutants, other than NMTAPs, with very small emission rates

The Air Quality Bureau has performed generic modeling to demonstrate that small sources, as listed in Appendix 2 of this form, do not need computer modeling. This modeling compared emissions from a project (the increase in emissions from the previous permit or total facility emissions for a new facility) with significance levels. After comparing the project's emission rates for various pollutants to Appendix 2, list in Table 3 the pollutants that do not need to be modeled because of very small emission rates.

The facility must be at least 2 km from the nearest Class I area to qualify for a waiver due to very small emission rates. List the nearest Class I area and the distance from the facility in Section 3 comments.

Section 3 Comments. (If you are not requesting a waiver for any pollutants based on their low emission rate, then note that here. You do not need to complete the rest of Section 3 or Table 3.)

The proposed significant permit revision application will lower the site's PM2.5 and PM10 emissions rates due to more stringent control methods.

Table 3: List of Pollutants with very small emission rates from the project

Pollutant	Requested Allowable Emission Rate for Project (pounds/hour)	Release Type (select "all from stacks >20 m" or "other")	Waiver Threshold (from appendix 2) (lb/hr)

Section 4: Pollutants that have previously been modeled at equal or higher emission rates

List the pollutants and averaging periods in Table 4 for which you are requesting a modeling waiver based on previous modeling for this facility. The previous modeling reports that apply to the pollutant must be submitted with the modeling waiver request. Request previous modeling reports from the Modeling Section of the Air Quality Bureau if you do not have them and believe they exist in the AQB modeling file archive.

Section 4 Comments. (If you are not asking for a waiver based on previously modeled pollutants, note that here. You do not need to complete the rest of section 4 or table 4.)

[<Add comments here>](#)

Table 4: List of previously modeled pollutants (facility-wide emission rates)

Pollutant	Averaging period	Proposed emission rate (pounds/hour)	Previously modeled emission rate (pounds/hour)	Proposed minus modeled emissions (lb/hr)	Modeled percent of standard or increment	Year modeled
PM2.5	24-hour	0.49	0.49	0.00	51.4	2021
PM2.5	Annual	0.49	0.49	0.00	59.6 / 79.5*	2021
PM10	24-hour	3.27	3.35	-0.08	76.0	2021
PM10	Annual	3.27	3.35	-0.08	N/A	2021
* 59.6% was the modeled percent with the previous NAAQS of 12.0 ug/m ³ . 79.5% would have been the modeled percent of the new 9.0 ug/m ³ annual PM2.5 standard.						

Section 4, Table 5: Questions about previous modeling:

Question	Yes	No
Was AERMOD used to model the facility?	X	
Did previous modeling predict concentrations less than 95% of each air quality standard and PSD increment?	X	
Were all averaging periods modeled that apply to the pollutants listed above?	X	
Were all applicable startup/shutdown/maintenance scenarios modeled?	X	
Did modeling include all sources within 1000 meters of the facility fence line that now exist?	X	
Did modeling include background concentrations at least as high as current background concentrations?		X
If a source is changing or being replaced, is the following equation true for all pollutants for which the waiver is requested? (Attach calculations if applicable.)		
EXISTING SOURCE $\frac{[(g) \times (h1)] + [(v1)^2/2] + [(c) \times (T1)]}{q1} \leq \frac{[(g) \times (h2)] + [(v2)^2/2] + [(c) \times (T2)]}{q2}$ REPLACEMENT SOURCE		
Where		
g = gravitational constant = 32.2 ft/sec ²		
h1 = existing stack height, feet		
v1 = exhaust velocity, existing source, feet per second		
c = specific heat of exhaust, 0.28 BTU/lb-degree F		
T1 = absolute temperature of exhaust, existing source = degree F + 460		
q1 = emission rate, existing source, lbs/hour		
h2 = replacement stack height, feet		

v2 = exhaust velocity, replacement source, feet per second		
T2 = absolute temperature of exhaust, replacement source = degree F + 460		
q2 = emission rate, replacement source, lbs/hour		

If you checked “no” for any of the questions, provide an explanation for why you think the previous modeling may still be used to demonstrate compliance with current ambient air quality standards.

The current background value from the Del Norte Albuquerque monitor, per the City of Albuquerque Air Quality Program, for 24-hour PM10 is 22.3 ug/m³ which is lower than what was included in the 2021 model. For the 24-hour and annual PM2.5, using the current backgrounds and adding them to the 2021 model results with the lower, 9 ug/m³ annual NAAQS, would still be below 95% of the standard.
PM2.5 24-hour: 61.4%
PM2.5 Annual: 88.4%

Section 5: Modeling waiver using scaled emission rates and scaled concentrations

At times it may be possible to scale the results of modeling one pollutant and apply that to another pollutant. Increases in emissions of one pollutant might also demonstrate compliance by applying a scaling factor to the modeling results. If the analysis for the waiver gets too complicated, then it becomes a modeling review rather than a modeling waiver, and applicable modeling fees will be charged for the modeling. Plume depletion, ozone chemical reaction modeling, post-processing, and unequal pollutant ratios from different sources are likely to invalidate scaling.

If you are not scaling previous results, note that here. You do not need to complete the rest of section 5. Scaling analyses are not intended to be used for previously modeled pollutants with decreasing emissions, which is already addressed in section 4.

To demonstrate compliance with standards for a pollutant describe scenarios below that you wish the modeling section to consider for scaling results.

No scaling of previous results.

Section 6: New Mexico Toxic air pollutants – 20.2.72.400 NMAC

Modeling must be provided for any New Mexico Toxic Air Pollutant (NMTAP) with a facility-wide controlled emission rate in excess of the pound per hour emission levels specified in Tables A and B at **20.2.72.502 NMAC - Toxic Air Pollutants and Emissions**. An applicant may use a stack height correction factor based on the release height of the stack for the purpose of determining whether modeling is required. See Table C - Stack Height Correction Factor at 20.2.72.502 NMAC. Divide the emission rate for each release point of a NMTAP by the correction factor for that release height and add the total values together to determine the total adjusted pound per hour emission rate for that NMTAP. If the total adjusted pound per hour emission rate is lower than the emission rate screening level found in Tables A and B, then modeling is not required.

In Table 6, below, list the total facility-wide emission rates for each New Mexico Toxic Air Pollutant emitted by the facility. The table is pre-populated with common examples. Extra rows may be added for NMTAPS not listed or for NMTAPS emitted from multiple stack heights. NMTAPS not emitted at the facility may be deleted, left blank, or noted as 0 emission rate. Toxics previously modeled may be addressed in Section 5 of this waiver form. For convenience, we have listed the stack height correction factors in Appendix 1 of this form.

Section 6 Comments. (If you are not requesting a waiver for any NMTAPs then note that here. You do not need to complete the rest of section 6 or Table 6.)

N/A, the site does not emit any NMTAPs.

Table 6: New Mexico Toxic Air Pollutants emitted at the facility

If requesting a waiver for any NMTAP, all NMTAPs from this facility must be listed in Table 3 regardless of if a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

Pollutant	Requested Allowable Emission Rate (pounds/hour)	Release Height (Meters)	Correction Factor	Allowable Emission Rate Divided by Correction Factor	Emission Rate Screening Level (pounds/hour)
Ammonia					1.20
Asphalt (petroleum) fumes					0.333
Carbon black					0.233
Chromium metal					0.0333
Glutaraldehyde					0.0467
Nickel Metal					0.0667
Wood dust (certain hard woods as beech & oak)					0.0667
Wood dust (soft wood)					0.333
(add additional toxics if they are present)					

Section 7: Approval or Disapproval of Modeling Waiver

The AQB air dispersion modeler should list each pollutant for which the modeling waiver is approved, the reasons why, and any other relevant information. If not approved, this area may be used to document that decision.

The waiver is issued for PM10 and PM2.5.

The maximum concentrations will be at least as good as previously modeled because 1) The PM2.5 background concentration used when facility was modeled 2021 was higher than current background concentration; 2) The PM10 facility emissions decreased with enhanced controls even though number of trucks per day increased.

Appendix 1: Stack Height Release Correction Factor (adapted from 20.2.72.502 NMAC)

Release Height in Meters	Correction Factor
0 to 9.9	1
10 to 19.9	5
20 to 29.9	19
30 to 39.9	41
40 to 49.9	71
50 to 59.9	108
60 to 69.9	152
70 to 79.9	202
80 to 89.9	255
90 to 99.9	317
100 to 109.9	378
110 to 119.9	451
120 to 129.9	533
130 to 139.9	617
140 to 149.9	690
150 to 159.9	781
160 to 169.9	837
170 to 179.9	902
180 to 189.9	1002
190 to 199.9	1066
200 or greater	1161

Appendix 2. Very small emission rate modeling waiver requirements (updated 3/4/2024 to correct feet to meters)

Modeling is waived if emissions of a pollutant for the project are below the amount:

Pollutant	If all emissions come from stacks 20 meters or greater in height and there are no horizontal stacks or raincaps (lb/hr)	If not all emissions come from stacks 20 meters or greater in height, or there are horizontal stacks, raincaps, volume, or area sources (lb/hr)
CO	16.037	2.580
H ₂ S (Pecos-Permian Basin)	0.114	0.015
H ₂ S (Not in Pecos-Permian Basin)	0.022	0.003
Lead	0.005	0.001
NO ₂	0.189	0.024
PM2.5 – Point Sources	0.056	0.009
PM2.5 – Volume Sources		0.003
PM10 – Point Sources	0.255	0.039
PM10 – Volume Sources		0.015
SO ₂	0.179	0.023
Reduced sulfur (Pecos-Permian Basin)	0.033	No waiver
Reduced sulfur (Not in Pecos-Permian Basin)	No waiver	No waiver

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.

The Veguita South Crusher Plant is powered by line power. No test on any of the permitted equipment has been performed.

Section 18

Addendum for Streamline Applications

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

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.

All relevant information has been incorporated in the appropriate application pages.

Section 21

Addendum for Landfill Applications

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

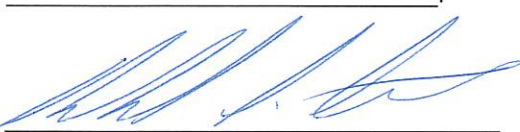
Not applicable as this is not a landfill application.

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 ____ day of February, 2026, upon my oath or affirmation, before a notary of the State of



*Signature

2-11-26

Date

Richard Castillo

Printed Name

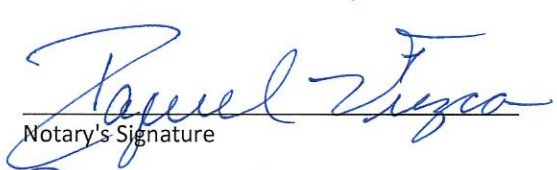
President

Title

Scribed and sworn before me on this 11th day of February, 2026.

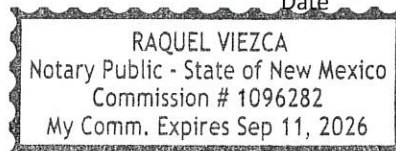
My authorization as a notary of the State of New Mexico expires on the

11th day of September, 2026.


Notary's Signature

02/11/2026
Date

Raquel Viezca
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.