

b	Plant Operator's New Mexico Corporate ID or Tax ID:	95-4554880
3	Plant Owner(s) name(s): Dicaperl Minerals LLC	Phone/Fax: (575) 835-2860
a	Plant Owner(s) Mailing Address(s): P.O. Box 1436, Socorro, NM 87801	
4	Bill To (Company): Dicaperl Minerals LLC	Phone/Fax: (575) 835-2860
a	Mailing Address: P.O. Box 1436, Socorro, NM 87801	E-mail: anorris@dicaperl.com
5	<input type="checkbox"/> Preparer: <input checked="" type="checkbox"/> Consultant: Dr. Mark P. Cal, P.E., BCEE	Phone/Fax: (505) 615-7328
a	Mailing Address: PO BOX 386, Socorro, NM 87801	E-mail: MCAL@MAC.COM
6	Plant Operator Contact: Allen Norris	Phone/Fax: (575) 835-2860
a	Address: P.O. Box 1436, Socorro, NM 87801	E-mail: anorris@dicaperl.com
7	Air Permit Contact: Allen Norris	Title: Plant Manager
a	E-mail: anorris@dicaperl.com	Phone/Fax: (575) 835-2860
b	Mailing Address: P.O. Box 1436, Socorro, NM 87801	
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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.b If yes to question 1.a, is it currently operating in New Mexico? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No
3	Is the facility currently shut down? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, give month and year of shut down (MM/YY):
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the permit No. is: P-
7	Has this facility been issued a No Permit Required (NPR)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NPR No. is:
8	Has this facility been issued a Notice of Intent (NOI)? <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the NOI No. is:
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the permit No. is:
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the register No. is:

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)		
a	Current	Hourly: 168 tons	Daily: 2688 tons
			Annually: 978,432 tons
b	Proposed	Hourly: no change	Daily: no change
			Annually: no change
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: 60 tons	Daily: 1440 tons
			Annually: 349,440 tons

b	Proposed	Hourly: no change	Daily: no change	Annually: no change
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Section 1-D: Facility Location Information

1	Section: 21-22-27-28	Range: 1W	Township: 3S	County: Socorro	Elevation (ft): 4986
2	UTM Zone: <input type="checkbox"/> 12 or <input checked="" type="checkbox"/> 13			Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> WGS 84	
a	UTM E (in meters, to nearest 10 meters): 321.238			UTM N (in meters, to nearest 10 meters): 3766.668	
b	AND Latitude (deg., min., sec.): 34, 01, 31.60922			Longitude (deg., min., sec.): 106, 56, 10.26701	
3	Name and zip code of nearest New Mexico town: Socorro, NM 87801				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): miles west of Socorro, NM on Highway 60				
5	The facility is 3 (distance) miles West (direction) of Socorro, NM 87801 (nearest town).				
6	Status of land at facility (check one): <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian/Pueblo <input type="checkbox"/> Federal BLM <input type="checkbox"/> Federal Forest Service <input type="checkbox"/> Other (specify)				
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: City of Socorro, NM; Socorro County				
8	20.2.72 NMAC applications only : Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/aqb/modeling/class1areas.html)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers: Bosque del Apache, 24.9 km				
9	Name nearest Class I area: Bosque del Apache, 24.9 km				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 24.9 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: Socorro Detention Center, 1120 m				
12	Method(s) used to delineate the Restricted Area: Fencing "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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, what is the name and permit number (if known) of the other facility?				

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

1	Facility maximum operating ($\frac{\text{hours}}{\text{day}}$): 24	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 7488
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start:	<input type="checkbox"/> AM <input type="checkbox"/> PM	End:	<input type="checkbox"/> AM <input type="checkbox"/> PM
3	Month and year of anticipated start of construction:			
4	Month and year of anticipated construction completion:			
5	Month and year of anticipated startup of new or modified facility:			
6	Will this facility operate at this site for more than one year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Section 1-F: Other Facility Information

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

Section 1-G: Streamline Application

(This section applies to 20.2.72.300 NMAC Streamline applications only)

1	<input type="checkbox"/> I have filled out Section 18, "Addendum for Streamline Applications." <input checked="" type="checkbox"/> 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):		Phone:
a	R.O. Title:	R.O. e-mail:	
b	R. O. Address:		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC):		Phone:
a	A. R.O. Title:	A. R.O. e-mail:	
b	A. R. O. Address:		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship):		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.):		
a	Address of Parent Company:		
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.):		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations:		

7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers:
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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-toe 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		Source Classification Code (SCC)	For Each Piece of Equipment, Check One			RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴
							Construction/ Reconstruction ²	Reconstruction ²		Controlled by Unit #	Emissions vented to Stack #	Existing (unchanged) <input type="checkbox"/>	
1	Jaw Crusher	Kennedy	1848	319-P-67	168 ton/hr	168 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
2	FMC Primary Screen (2")	FMC	None	None	168 ton/hr	168 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
3	Conveyor #1	Built in place	None	None	168 ton/hr	168 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
4	Free Drop	None	None	None	168 ton/hr	168 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
5	Conveyor #2	Built in place	None	None	60 ton/hr	60 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
6	FMC Scraping Screen (1/2")	FMC	Unknown	CA-2510-EH-62	60 ton/hr	60 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
7	Turbo or Cone Crusher	CEMCO	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	Unknown	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
8	Elevator #1	Shop Built	None	None	60 ton/hr	60 ton/hr	Unknown	Unknown	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
9	Conveyor #3	Unknown	None	None	60 ton/hr	60 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
10	Conveyor #4	Unknown	None	None	60 ton/hr	60 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
11	Load-out Conveyor #11	Built in place	None	None	60 ton/hr	60 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
12	Load-out Conveyor #12	Built in place	None	None	60 ton/hr	60 ton/hr	Unknown	1975	3050200	N/A	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
13	Elevator #3	Shop Built	None	None	20 ton/hr	20 ton/hr	Unknown	Upper housing replaced 2007	3050200	S2	S2	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
14	Morgensen Screen	Royer-Morgensen	Royer-Morgensen	Unknown	60 ton/hr	60 ton/hr	Unknown	Unknown	3050200	S2	S2	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	
15	Morgensen Screen	Royer-Morgensen	Royer-Morgensen	Unknown	30 ton/hr	30 ton/hr	Unknown	Unknown	3050200	S2	S2	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced	

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 #			Existing (unchanged) <input type="checkbox"/>	To Be Removed <input type="checkbox"/>		
16	Transfer Screws (9)	Shop Built	None	None	60 ton/hr (total all 9 screws)	60 ton/hr (total all 9 screws)	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
17	Turbo Crushers #2 and #3	CEMCO	Model 54	AEV-0581-1, AEV-0897154	30 tons/hr (for 2 crushers)	30 tons/hr (for 2 crushers)	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
18	This number is not used, due to a unit duplication.										<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
19	Elevator #2	Unknown	None	None	30 ton/hr	30 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
20	Elevator #4	Shop Built	None	None	60 ton/hr	60 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
21	K-Screens 1-5 (5)	J & H	Unknown	26431	60 ton/hr (total all 5 screens)	60 ton/hr (total all 5 screens)	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
22	K-Screens 6-9 (4) West Side	J & H	Unknown	26431	30 ton/hr (total all 4 screens)	30 ton/hr (total all 4 screens)	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
23	K-Screens 11-15 (5)	Unknown	Unknown	25163, 25323	30 ton/hr (total all 5 screens)	30 ton/hr (total all 5 screens)	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
24	Conveyors 6a and 6b	Unknown	None	None	40 ton/hr	40 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
25	Elevator #5 (to pug mill & waste)	Unknown	None	None	7.5 ton/hr	7.5 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
26	Elevator #6	Unknown	None	None	20 ton/hr	20 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
27	Elevator #7	Unknown	None	None	20 ton/hr	20 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
28	Elevator #8	Unknown	None	None	12 ton/hr	12 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
29	Elevator #9	Shop Built	None	None	30 ton/hr	30 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
30	Raymond Separator	CE Raymond	Unknown	52011	30 ton/hr	30 ton/hr	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
31	Free drop from 9	Unknown	Unknown	None	60 ton/hr (total all 0)	60 ton/hr (total all 0)	Unknown	Unknown	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit			

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (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.
								Emissions vented to Stack #					
31	Bins during loadout	Unknown	Unknown	None	Unknown (total ton/hr) drops	Unknown (total ton/hr) drops	1975	S2	6	<input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
32	Separator	Williams	Unknown	19677	20 ton/hr	20 ton/hr	Unknown early 1990's	S2	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
33	Turbo Crushers #4 and #5	Norberg/Sym	Model 54	AEV-02831	20 ton/hr (total for 2) crushers	20 ton/hr (total for 2) crushers	Unknown early 1990's	S2	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
34	Raymond Mill #1	CE Raymond	Model 5047	Various	4 ton/hr	4 ton/hr	Various	S2	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
35	Raymond Mill #2	CE Raymond	Model 5057	Unknown	4 ton/hr	4 ton/hr	Various 2002-03	S4	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
36	Raymond Mill #3	CE Raymond	Unknown	Unknown	4 ton/hr	4 ton/hr	Unknown	S5	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
37	Raymond Mill #4	CE Raymond	Unknown	Unknown	4 ton/hr	4 ton/hr	Unknown	S6	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
38	Derrick Screens 1-5 (5)	Derrick	K48-120A-25	0066224	6 ton/hr	6 ton/hr	Unknown 1980's	S2	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
39	J&K Screens 1-2 (2)	J & H	Unknown	26552	6 ton/hr	6 ton/hr	Unknown	S2	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
40	Drop to hopper	Unknown	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	S3	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
41	Drop to rail car	Unknown	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	S3	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
42	Facility Area	N/A	N/A	N/A	4.3 acres	4.3 acres	N/A	N/A	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
43	Dump	N/A	N/A	N/A	2.3 acres	2.3 acres	N/A	N/A	3050200	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
44	Perlite Ore Dryer	Phillips Kiln	None	None	60 ton/hr	60 ton/hr	Unknown Shell replaced c. 1998	S1	3050201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
45	Perlite Expansion Furnace #1	Unknown	Unknown	Unknown	4 ton/hr	4 ton/hr	Unknown	S7	3050201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			
46	Perlite Expansion Furnace #2	Unknown	Unknown	Unknown	4 ton/hr	4 ton/hr	Unknown	S8	3050201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced			

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	Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown		
47	Perlite Expansion Furnace #3	Unknown	Unknown	Unknown	4 ton/hr	4 ton/hr	Unknown	Unknown	S9	S9	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
48	Perlite Expansion Furnace #4	Unknown	Unknown	Unknown	4 ton/hr	4 ton/hr	Unknown	Unknown	S10	S10	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
49	Pug Mill free drop to seaper	Unknown	Unknown	Unknown	7.5 ton/hr	7.5 ton/hr	Unknown	Unknown	N/A	N/A	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
50	Roller Mill 1A	CE Raymond	Unknown	Unknown	16 ton/hr	16 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
51	Roller Mill 2A	CE Raymond	Unknown	Unknown	16 ton/hr	16 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
52	Surge Bin 1 to Feed Mills 1A & 2A	Unknown	Unknown	Unknown	35 ton/hr	35 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
53	Elevator to Feed Surge Bin 1	Unknown	Unknown	Unknown	35 ton/hr	35 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
54	Conveyor to Surge Bin 1 Elevator	Unknown	Unknown	Unknown	35 ton/hr	35 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
55	Surge Bin 2 to Feed Mills 3 & 4	Unknown	Unknown	Unknown	10 ton/hr	10 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
56	Elevator to Feed Surge Bin 2	Unknown	Unknown	Unknown	10 ton/hr	10 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
57	Conveyor to Surge Bin 2 Elevator	Unknown	Unknown	Unknown	10 ton/hr	10 ton/hr	Unknown	Unknown	S2	S2	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
58	Loadout Surge Bin	Unknown	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	Unknown	S3	S3	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
59	Elevator to Loadout Surge Bin	Unknown	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	Unknown	S3	S3	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
60	Covered Conveyor to Silo 4	Unknown	Unknown	Unknown	15 ton/hr	15 ton/hr	Unknown	Unknown	S3	S3	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
61	Covered Screen at Loadout	Unknown	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	Unknown	S3	S3	3050200	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced					
CH 01	Perlite Product Silo #1	Unknown	Unknown	Unknown	6 ton/hr	6 ton/hr	Unknown	Unknown	S2	S2	3050381	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To Be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit					

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.
								Emissions vented to Stack #	Emissions				
SIL02	Perlite Product Silo #2	Unknown	Unknown	Unknown	19 ton/hr	19 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL03	Perlite Product Silo #3	Unknown	Unknown	Unknown	6 ton/hr	6 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL04	Perlite Product Silo #4	Unknown	Unknown	Unknown	6 ton/hr	6 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL05	Perlite Product Silo #5	Unknown	Unknown	Unknown	7 ton/hr	7 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL06	Perlite Product Silo #6	Unknown	Unknown	Unknown	7 ton/hr	7 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL07	Perlite Product Silo #7	Unknown	Unknown	Unknown	5 ton/hr	5 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL08	Perlite Product Silo #8	Unknown	Unknown	Unknown	5 ton/hr	5 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL09	Perlite Product Silo #9	Unknown	Unknown	Unknown	1 ton/hr	1 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL010	Perlite Product Silo #10	Unknown	Unknown	Unknown	0.5 ton/hr	0.5 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL011	Perlite Product Silo #11	Unknown	Unknown	Unknown	1.7 ton/hr	1.7 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL012	Perlite Product Silo #12	Unknown	Unknown	Unknown	1.7 ton/hr	1.7 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL013	Perlite Product Silo #13	Unknown	Unknown	Unknown	7 ton/hr	7 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL014	Perlite Product Silo #14	Unknown	Unknown	Unknown	6 ton/hr	6 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL015	Perlite Product Silo #15	Unknown	Unknown	Unknown	7.5 ton/hr	7.5 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		
SIL016	Perlite Product Silo #16	Unknown	Unknown	Unknown	3 ton/hr	3 ton/hr	Unknown	S2	S2	3050381	<input type="checkbox"/> To Be Modified <input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced <input type="checkbox"/> To Be Replaced		

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 # Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ²						
SILO17	Perlite Product Silo #17	Unknown	Unknown	Unknown	3 ton/hr	3 ton/hr	Unknown	S2	3050381 3	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
SILO18	Perlite Product Silo #18	Unknown	Unknown	Unknown	3 ton/hr	3 ton/hr	Unknown	S2	3050381 3	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
SILO19	Perlite Product Silo #19	Unknown	Unknown	Unknown	6 ton/hr	6 ton/hr	Unknown	S11	3050381 3	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
SILO20	Perlite Product Silo #20	Unknown	Unknown	Unknown	6 ton/hr	6 ton/hr	Unknown	S11	3050381 3	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
SILO21	Perlite Product Silo #21	Unknown	Unknown	Unknown	8 ton/hr	8 ton/hr	Unknown	S11	3050381 3	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
SILO22	Perlite Product Silo #22	Unknown	Unknown	Unknown	60 ton/hr	60 ton/hr	Unknown	S11	3050381 3	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V1	Scraper #2	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V2	Loader	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V3	Dump Truck	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V4	Bulldozer	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V5	Product Haul Truck	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V6	Road Grader	Varies	Varies	N/A	2 trips/month	2 trips/month	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V7	Excavator	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V8	Water Truck	Varies	Varies	N/A	7 days/week	7 days/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			
V9	Oil Delivery Truck	Varies	Varies	N/A	2 trucks/week	2 trucks/week	Varies	N/A	3050201 1	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified <input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced			

¹ Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits is provided.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of		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.
							Manufacture ²	Construction/Reconstruction ²					

² Specify dates required to determine regulatory applicability.

³ To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.

⁴ "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of		Source Classification Code (SCC)	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Manufacture ²	Construction/ Reconstruction ²			

¹ Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits is provided.

² Specify dates required to determine regulatory applicability.

³ To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.

⁴ "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "C" means compression ignition, and "SI" means spark ignition

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 <http://www.env.nm.gov/aqb/forms/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 /Date of Installation /Construction ²	For Each Piece of Equipment, Check One		
							Insignificant Activity citation (e.g. IA List Item #1.a)	Capacity Units	Serial No.
T1	Waste Oil Storage Tank	Unknown	None	476 bbl	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
T2	Waste Oil Storage Tank	Unknown	None	476 bbl	B.5 -- < 0.5 ton/year VOC	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
T3	No. 2 Diesel Fuel Storage Tank	Unknown	None	238 bbl	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
T4	10 wt. Motor Oil Storage Tank	Unknown	None	12 bbl	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
T5	30 wt. Motor Oil Storage Tank	Unknown	None	12 bbl	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
T6	Unleaded Gasoline Storage Tank	Unknown	None	12 bbl	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
T7	No. 2 Diesel Fuel Storage Tank	Unknown	None	7 bbl	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
49	Pug Mill	Unknown	None	7.5 ton/hr	20.2.72.202.B.5	Unknown	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
L1	Waste Oil Storage Tank Loading	N/A	N/A	530,064 gal/yr	20.2.72.202.B.5	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
				530,064 gal/yr	B.5 -- < 0.5 ton/year VOC	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Replaced	
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To Be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> 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-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		TSP 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
S1	1.3	5.0	0.4	1.3			3.8	14.1			7.3	27.3	7.3	27.3				
S2											5.2	19.3	5.2	19.3				
S3											0.4	1.6	0.4	1.6				
S4											0.7	2.5	0.7	2.5				
S5											0.4	1.6	0.4	1.6				
S6											0.4	1.6	0.4	1.6				
S11											0.30	1.20	0.30	1.20				
1											0.4	1.5	0.01	0.02				
2											1.50	5.50	0.30	1.10				
3											0.18	0.69	0.03	0.10				
4											0.18	0.69	0.03	0.10				
5											0.07	0.3	0.01	0.04				
6											0.50	2.00	0.10	0.40				
7											0.14	0.54	0.00	0.01				
8											0.07	0.25	0.01	0.04				
9											0.07	0.25	0.01	0.04				
10											0.07	0.25	0.01	0.04				
11											0.07	0.25	0.01	0.04				
12											0.07	0.25	0.01	0.04				
Totals	1.3	5.0	0.4	1.3	0.0	0.0	3.8	14.1	0.0	0.0	18.0	67.5	15.2	57.1				

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 TSP unless TSP is set equal to PM10 and PM2.5.

See separate spreadsheet for all emission calculations

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.

The Dicaperl Minerals LLC facility in Socorro, NM, is a perlite mining, crushing and screening operation. For further reference and information please see the EPA Emission Factor Documentation for AP-42 Section 8.17, Perlite Processing, which explains the fundamentals of this type of operation.

Applicable regulations include 20 NMAC, Construction Permits and 20 NMAC 2.73 Notice of intent and Emissions Inventory Requirements. Submission requirements are listed in 20 NMAC 2.72.200 Construction Permits, and 20 NMAC 2.72.203 Contents of Applications.

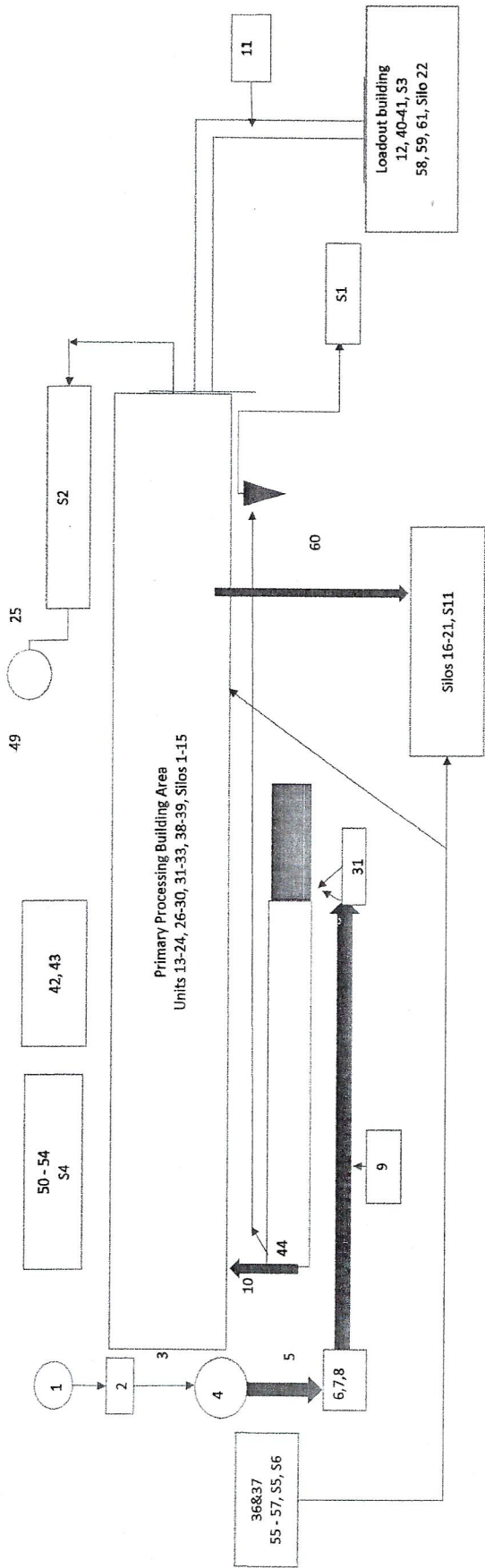
This permit application is for a modification to the existing permit No. 0042-M6-R1. The proposed modifications include a change in operating hours, the addition of new roller mills, conveyors, screens and storage bins. The four perlite expansion furnaces were never built and are being removed from this permit revision. The haul road and parking lot have been paved, and there will be changes vehicle traffic for the haul truck, loader, dump truck, excavator and bulldozer.

This application will not change the facility's permit status, as a minor source.

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.



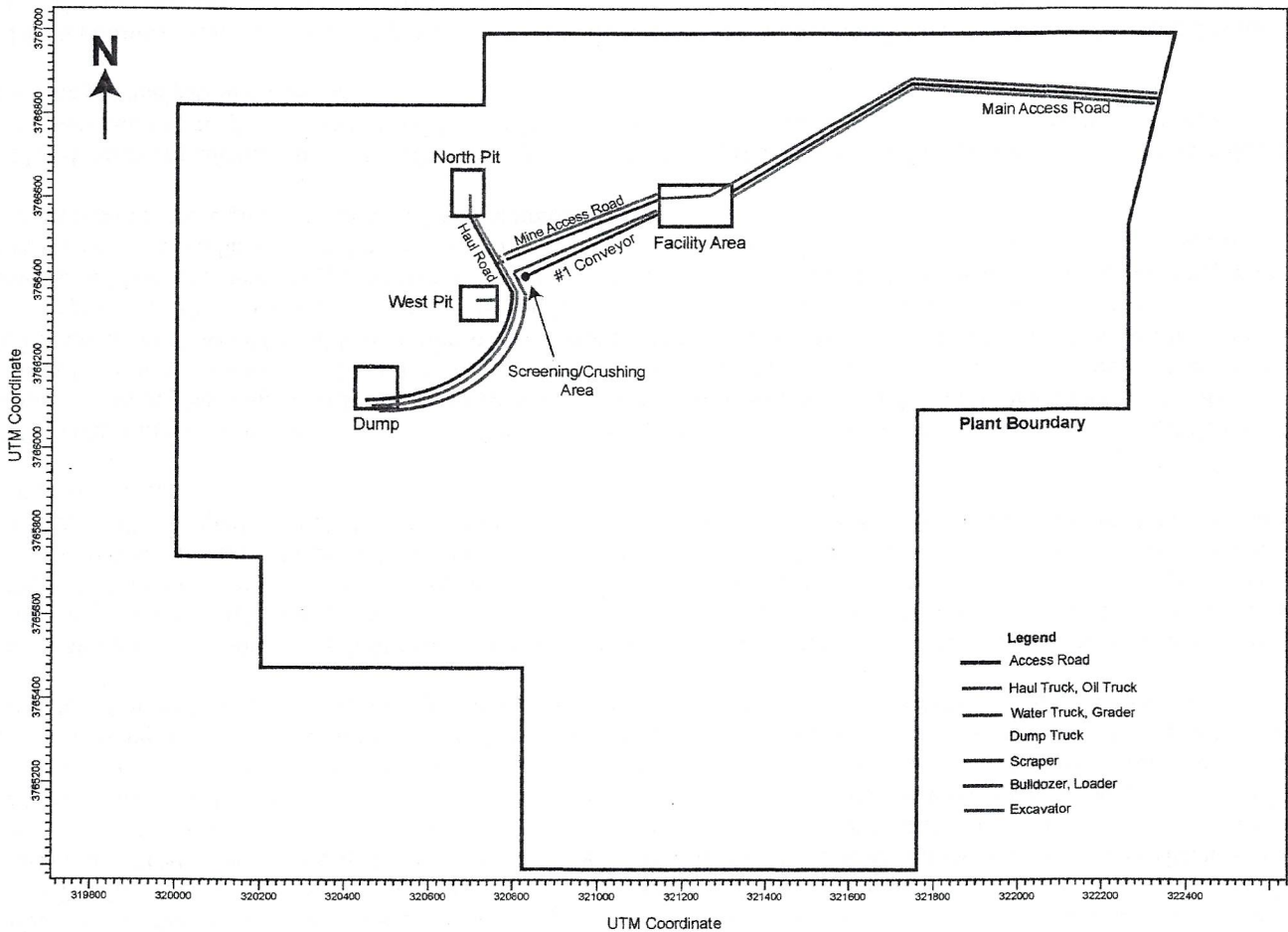
Section 5

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.

To save paper and to standardize the application format, delete this sentence, and begin your submittal for this attachment on this page.

Dicaperl, Socorro, NM Facility Layout



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 rationale 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 calculations are included on spreadsheet labeled "A-0042-7_Dicaperl_Socorro_Emissions_Calculations".

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).

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO₂e emissions from your facility.
2. GHG mass emissions are the sum of the total annual tons of greenhouse gases without adjusting with the global warming potentials (GWPs). GHG CO₂e emissions are the sum of the mass emissions of each individual GHG multiplied by its GWP found in Table A-1 in 40 CFR 98 Mandatory Greenhouse Gas Reporting.
3. Emissions from routine or predictable start up, shut down, and maintenance must be included.
4. Report GHG mass and GHG CO₂e emissions in Table 2-P of this application. Emissions are reported in **short** tons per year and represent each emission unit's Potential to Emit (PTE).
5. All Title V major sources, PSD major sources, and all power plants, whether major or not, must calculate and report GHG mass and CO₂e emissions for each unit in Table 2-P.
6. For minor source facilities that are not power plants, are not Title V, and are not PSD there are three options for reporting GHGs in Table 2-P: 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 GHGs as a second separate unit; 3) or check the following By checking this box, the applicant acknowledges the total CO₂e emissions are less than 75,000 tons per year.

Sources for Calculating GHG Emissions:

- Manufacturer's Data
- AP-42 Compilation of Air Pollutant Emission Factors at <http://www.epa.gov/ttn/chief/ap42/index.html>
- EPA's Internet emission factor database WebFIRE at <http://cfpub.epa.gov/webfire/>
- 40 CFR 98 Mandatory Green House Gas Reporting except that tons should be reported in short tons rather than in metric tons for the purpose of PSD applicability.
- API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. August 2009 or most recent version.
- Sources listed on EPA's NSR Resources for Estimating GHG Emissions at <http://www.epa.gov/nsr/clean-air-act-permitting-greenhouse-gases>:

Global Warming Potentials (GWP):

Applicants must use the Global Warming Potentials codified in Table A-1 of the most recent version of 40 CFR 98 Mandatory Greenhouse Gas Reporting. The GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO₂ over a specified time period.

"Greenhouse gas" for the purpose of air permit regulations is defined as the aggregate group of the following six gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. (20.2.70.7 NMAC, 20.2.74.7 NMAC). You may also find GHGs defined in 40 CFR 86.1818-12(a).

Metric to Short Ton Conversion:

Short tons for GHGs and other regulated pollutants are the standard unit of measure for PSD and title V permitting programs. 40 CFR 98 Mandatory Greenhouse Reporting requires metric tons.

1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

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.
-

All calculations are included on spreadsheet labeled "A-0042-7_Dicaperl_Socorro_Emissions_Calcuations".

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	

Dicaperl, Socorro, NM Facility Layout

