

Air Case ID: 13195 Permit Id: 4803

FIN No.: A2723

Company Name: R & J JOY, INC.

HA Basin No: N/A

Increment Tracked ☐

Permit No:

AP14425166 *

Select a Permit No

Date App. Received:

09/04/2026



*

Permit Writer:

Not Assigned (NA) ▼ *

Case Type:

Class 2 New w/Public Notice ▼ *

Default ODS Date:

09/18/2026



*

Actual ODS Date:



Date App. to be Closed:

12/17/2026



*

Stop Days:

Actual Date App. to be Closed: 12/17/2026

App. Incomplete?

☐

Date App. Closed:



Fee Paid (\$):

1500 *

Case Description:

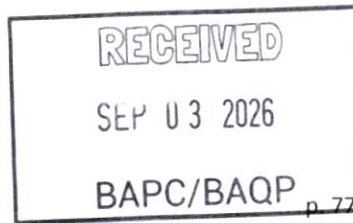
Comments:

Flag (For Class 4) :

None ▼

Update

Cancel



UES
6995 Sierra Center Parkway
Reno, NV 89511
p. 775.829.2245 | TeamUES.com

September 2, 2026
Project No.: A25173.00343.000

Nevada Division of Environmental Protection
Bureau of Air Pollution Control, Class II Permitting Branch
901 South Stewart Street, Suite 4001
Carson City, NV 89701

Attention: Tanya Soleta
Minor Source Permitting Supervisor, Bureau of Air Pollution Control

Reference: New Class II Air Quality Operating Permit
Mustang Quarry
Joy Engineering
Sparks, Nevada

Dear Ms. Soleta,

On behalf of Joy Engineering (Joy), UES has prepared this New Class II Air Quality Operating Permit Application for the site referenced above. Joy currently has a crushing and screening plant permitted under a Class II General Air Quality Operating Permit (AQOP) for Temporary Construction Sources (Permit No. AP1442-2259.05; A0769) Change of Location Approval (COLA #3198). The COLA is set to expire on 06/08/2027 and Joy would like to permit the facility as a stationary source under a New Class II Operating Permit.

Included herein is a complete hard-copy of the new permit application, as well as a thumb drive with a digital copy of the application and relevant modeling files. Additionally, a check for \$15,000.00 for the application fee is included with this submittal.

[Remainder of Page Intentionally Left Blank]



LIMITATIONS

The information presented herein is based in part on the information provided to UES. UES makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It should be recognized that definition and evaluation of environmental emission conditions is an inexact science. Judgements and opinions leading to the conclusions and calculations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including performance testing, can tend to reduce the inherent uncertainties associated with such conclusions and calculations. Additional information not found or available to UES at the time of preparing this permit application may result in a modification to the conclusions and calculations contained herein.

The services performed by UES have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made. The use of the word "certify" in this document constitutes an expression of professional opinion regarding those facts or findings which are the subject of certification and does not constitute a warranty or guarantee, either expressed or implied.

CLOSING

Should you have any questions regarding the information provided herein please contact Nicki McKenzie at (775) 829-2245.

Respectfully,
UES

A handwritten signature in black ink that reads "Halle Bodde".

Halle Bodde
Staff Engineer

A handwritten signature in black ink that reads "Nicki McKenzie".

Nicki McKenzie, P.E.
Senior Air Quality Specialist

Class II Air Quality Operating Permit Application Form

Facility Name: Joy Engineering – Mustang Quarry

Existing Facility ID: A TBD

Existing Class II AQOP: AP TBD

Type of Facility: Sand/Gravel Crushing and Screening

Number of Units (including IA's) in Facility: 45

If a Revision, Number of Units (including IA's) Affected in Action: N/A

Application Type:

☒ **New AQOP**

☐ **Revision of Existing AQOP**

☐ **Renewal of Existing AQOP**



Please Submit Application to:

Nevada Division of Environmental Protection
Bureau of Air Pollution Control, Class II Permitting Branch
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701-5249
Phone (775) 687-9349

September 2024
(Ver. 6)

IMPORTANT INFORMATION

- The Application packet contains:
 - General Company Information Form
 - Industrial Process Form
 - Combustion Equipment Form
 - Storage Silo Form
 - Liquid Storage Tanks Form
 - Insignificant Activities Form
 - Facility-Wide Potential to Emit Table
 - Surface Area Disturbance Form
 - Plant Boundary Coordinates Form
 - Plant Building Parameters Form
 - Application Certification Document with Required Attachments
- Please see the Guidance Document for additional instructions on how to complete the application.
- A printed copy of the application must be submitted (mailed or hand delivered), along with an electronic version.
- The application filing fee required by Nevada Administrative Code (NAC) 445B.327 must be submitted with the completed application. Checks must be made payable to the "Nevada State Treasurer, Environmental Protection" with "BAPC" noted in the memo line. Fees may also be submitted electronically at <https://epayments.ndep.nv.gov/>.
- This application shall be used for new Class II sources, revisions to existing Class II Air Quality Operating Permits, and the renewal of Class II Air Quality Operating Permits. This application packet is not for use for an Administrative Renewal, Administrative Amendment, a general permit, a stand-alone Surface Area Disturbance (SAD) permit, nor for a Request for Change of Location Approval permit for a temporary source.
- An application for a Class II Air Quality Operating Permit must be signed by the Responsible Official, as defined in NAC 445B.156. The certification/signature page is the last page of the application and the original "wet" signature must be provided.
- All items in the application must be addressed. If an item does not apply "N/A" or similar notation must be entered in the appropriate blank. All other information must be provided. Incomplete applications will be returned to the Responsible Official within 10 working days of receipt of the application.
- For the renewal of a Class II Operating Permit, a complete application and corresponding processing fee must be submitted in accordance with NAC 445B.3473, prior to the expiration date of the current permit. The BAPC suggests that the application be submitted well in advance of the timeline outlined in NAC 445B.3473 to ensure the application is deemed complete.
- If the facility applies for a permit that has not previously held a Class I or Class II operating permit, is located within 1,000 feet of a school, hospital, or residential area, or the Director determines that the change to the stationary source results in an increase in allowable emissions that exceeds the thresholds in NAC 445B.3457, the BAPC shall establish a 30-day period for public participation.

Table of Contents

Tab	Section
A	General Company Information
B	Industrial Application Forms
C	Combustion Application Forms
D	Facility-Wide Potential to Emit Table
E	Detailed Emissions Calculations
F	Surface Area Disturbance Form
G	Plant Boundary and Crushing and Screening Equipment Area Coordinates Form
H	Narrative Description
I	Application Certification Document

GENERAL COMPANY INFORMATION FORM

1. Briefly describe the permitted facility's process and include the Standard Industrial Classification (SIC) number and North American Industry Classification System (NAICS). Add details in the attached Process Narrative.

This facility is a gravel crushing and screening operation. The facility falls under SIC code 1442 and NAICS code 212321.

2. Company Name and Address that are to appear on the operating permit [NAC 445B.295(1)]:

Name: R&J Joy, Inc. dba Joy Engineering

Address: P.O. Box 19219

City: Reno

State: Nevada

Zip Code: 89511

3. Owner's Name and Address [NAC 445B.295(1)]:

Name: R&J Joy, Inc. dba Joy Engineering

Address: P.O. Box 19219

City: Reno

State: Nevada

Zip Code: 89511

4. Facility Name and Address, if different from #2 [NAC 445B.295(1)]:

Name: Joy Engineering – Mustang Quarry

Address: 475 Wild Horse Canyon

City: McCarran

State: Nevada

Zip Code: 89434

5. If records are required under the operating permit will be kept at a location other than the facility, specify that location [NAC 445B.295(7)]:

Name: N/A

Address:

City:

State:

Zip Code:

GENERAL COMPANY INFORMATION FORM (continued)

6. Responsible Official Name, Title and Mailing Address [NAC 445B.295(1)]:

Name: Richard Joy
Title: President
Address: P.O. Box 19219
City: Reno
State: Nevada Zip Code: 89511
Phone Number: (775) 323-2246
Fax Number: (530) 832-5472
E-mail Address: rick@joyengineering.com

Is this a new Responsible Official? ☐ Yes ☒ No

If yes, and the Responsible Official (RO) does not meet the definition under NAC 445B.156 then please fill out the "Responsible Official Identification/Designation/Change Request Form" and mail it in.

(<https://ndep.nv.gov/air/permitting/download-permit-forms>)

7. Plant Manager or other appropriate Contact Name, Title and Address [NAC 445B.295(1)]:

Name: Eric Jones
Title: Project Manager
Address: P.O. Box 19219
City: Reno
State: Nevada Zip Code: 89511
Phone Number: (775) 323-2246
Fax Number: (530) 832-5472
E-mail Address: ejones@joyengineering.com

8. Location and Driving Directions to the Facility (For Example: From Elko, Nevada, 4 miles south of I-80 at xx Interchange) [NAC 445B.295(8)]:

Hydrographic Basin (HA) Number: HA083
HA Basin Name: Tracy Segment

Township(s): 19 N; Range(s): 22 E; Section(s): 5-6

UTM Coordinates for the Front Gate of the Facility (NAD 83, Zone 11):

4,380,565 m North; 280,559 m East;

Nearest City: Sparks, Nevada

County: Storey County

Driving Directions from nearest city to the Facility: From Sparks, NV drive east on I-80.

Take Exit 28 toward Patrick, then keep right to head South on Waltham Way. Follow Waltham Way for 0.7 miles then take a right onto Wild Horse Canyon Drive. Follow Wild Horse Canyon then turn left onto the private Drive. Keep right to follow the dirt road approximately 0.2 miles to the site.

GENERAL COMPANY INFORMATION FORM (continued)

9. Emission Cap Requested [NAC 445B.070 and NAC 445B.296(2)]:

☐ Yes ☒ No (If yes, provide details in the attached Process Narrative)

10. Important note for completing the Industrial Process, Combustion Equipment, Storage Silo, and Liquid Storage Tank Application forms: forms need to be included for permitted emission units and insignificant activities. Provide additional forms as needed. All items in the application must be addressed. If an item does not apply then "N/A" or similar notation must be entered in the appropriate blank (TBD, unknown, etc.).

11. Is the Facility located within 1,000 feet of a school, hospital, or residential area?

☐ Yes ☒ No

12. Does the Facility require controls or other limit restrictions to remain a Class II source?

☐ Yes ☒ No

13. Has the facility provided modeling for each non-combustion baghouse individually? (See Testing Determination System for Baghouses Guidance Document)

☐ Yes ☒ No

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 1 – Crushing and Screening Operation**

Emission Unit Description: **Material to Screen 1 Hopper via Loader**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	12.92 x 9.6 x 11.67
	Drop Length if applicable	feet	2
	Drop Height if applicable	feet	11.67
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: System 1 – Crushing and Screening Operation
Emission Unit Description: Screen 1 and Associated Transfers (IN: Screen1 Hopper; OUT: Screen 1 Discharge Conveyor 1, Screen 1 Discharge Conveyor 2, and Screen 1 Discharge Conveyor 3)

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-02
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	Feet	12.92 x 9.6 x 8
	Drop Length if applicable	feet	1
	Drop Height if applicable	feet	8
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours/day	hour:minute	N/A
	End Time if operating less than 24 hours/day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).
Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 1 – Crushing and Screening Operation**

Emission Unit Description: **Screen 1 Discharge Conveyor to Stacker Belt 1 or Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	25 x 3 x 10
	Drop Length if applicable	feet	10
	Drop Height if applicable	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 1 – Crushing and Screening Operation**

Emission Unit Description: **Stacker Belt 1 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID	eg. Unit ID: S2.001, PF1.001 <i>Applicable for Renewal or Revision</i>	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	39 x 4 x 35
	Drop Length <i>if applicable</i>	feet	35
	Drop Height <i>if applicable</i>	feet	35
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: System 1 – Crushing and Screening Operation

Emission Unit Description: Screen 1 Discharge Conveyor 2 to Stacker Belt 2 or Stockpile

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	25 x 3 x 10
	Drop Length <i>if applicable</i>	feet	10
	Drop Height <i>if applicable</i>	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 1 – Crushing and Screening Operation**

Emission Unit Description: **Stacker Belt 2 to Jaw Crusher Hopper or Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	16 x 8 x 13
	Drop Length if applicable	feet	2
	Drop Height if applicable	feet	13
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 1 – Crushing and Screening Operation**
Emission Unit Description: **Screen 1 Discharge Conveyor 3 to Jaw Crusher Hopper**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	eg. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	25 x 3 x 10
	Drop Length if applicable	feet	10
	Drop Height if applicable	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours/day	hour:minute	N/A
	End Time if operating less than 24 hours/day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 2 – Jaw Crushing**

Emission Unit Description: **Material to Jaw Crusher Hopper via Loader**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	16 x 8 x 13
	Drop Length if applicable	feet	2
	Drop Height if applicable	feet	13
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours/day	hour:minute	N/A
	End Time if operating less than 24 hours/day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 2 – Jaw Crushing**

Emission Unit Description: **Jaw Crusher and Associated Transfers (IN: Jaw Crusher Hopper; OUT: Jaw Crusher Discharge Conveyor 1 and Jaw Crusher Discharge Conveyor 2)**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-03
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	3.67 x 2.33 x 10
	Drop Length <i>if applicable</i>	feet	1
	Drop Height <i>if applicable</i>	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

- How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).
Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 2 – Jaw Crushing**

Emission Unit Description: **Jaw Crusher Discharge Conveyor 1 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	10 x 3.25 x 12.75
	Drop Length if applicable	feet	12.75
	Drop Height if applicable	feet	12.75
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 2 – Jaw Crushing**

Emission Unit Description: **Jaw Crusher Discharge Conveyor 2 to Cone Crusher Hopper or Stacker Belt 2**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	8 x 2 x 7.2
	Drop Length <i>if applicable</i>	feet	7.2
	Drop Height <i>if applicable</i>	feet	7.2
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 3 – Cone Crushing**

Emission Unit Description: **Cone Crusher and Associated Transfers (IN: Cone Crusher Hopper;
OUT: Cone Crusher Discharge Conveyor)**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID	eg. Unit ID: S2.001, PF1.001	TBD
	<i>Applicable for Renewal or Revision</i>		
	Source Classification Code (SCC)		e.g. 3-03-024-04 for Conveyors 3-05-020-03
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	5 x 5 x 10
	Drop Length <i>if applicable</i>	feet	1
	Drop Height <i>if applicable</i>	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?		yes/no No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 3 – Cone Crushing**

Emission Unit Description: **Cone Crusher Discharge Conveyor to Screen 2 Hopper**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	12 x 3.25 x 11.2
	Drop Length if applicable	feet	11.2
	Drop Height if applicable	feet	11.2
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 4 – Screen 2**

Emission Unit Description: **Screen 2 and Associated Transfers (IN: Screen 2 Hopper; OUT: Screen 2 Discharge Conveyor 1, Screen 2 Discharge Conveyor 2, and Screen 2 Discharge Conveyor 3)**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-02
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	20 x 5 x 14
	Drop Length <i>if applicable</i>	feet	1
	Drop Height <i>if applicable</i>	feet	14
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).
 Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 4 – Screen 2**

Emission Unit Description: **Screen 2 Discharge Conveyor 1 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	12 x 2.17 x 14.5
	Drop Length if applicable	feet	16.25
	Drop Height if applicable	feet	16.25
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours/day	hour:minute	N/A
	End Time if operating less than 24 hours/day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 4 – Screen 2**

Emission Unit Description: **Screen 2 Discharge Conveyor 2 to Stacker Belt 3 or Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	12 x 4 x 15.6
	Drop Length if applicable	feet	15.6
	Drop Height if applicable	feet	15.6
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 4 – Screen 2**

Emission Unit Description: **Stacker Belt 3 to Cone Crusher Hopper or Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description		Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001 TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors 3-05-020-06
	Manufacturer	Not Specified
	Date Manufactured	Not Specified
	Model Number	Not Specified
	Equipment Dimensions (LxWxH)	feet 39 x 4 x 35
	Drop Length if applicable	feet 35
	Drop Height if applicable	feet 35
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable	
	Drop Horizontal Dimension 1 if applicable	feet N/A
	Drop Horizontal Dimension 2 if applicable	feet N/A
	Emissions Released Inside building?	yes/no No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m
Operating Parameters	Material Type Processed	Aggregate
	Batch Process if applicable	unit /batch N/A
	Start Time if operating less than 24 hours/day	hour:minute N/A
	End Time if operating less than 24 hours/day	hour:minute N/A
Control Equipment	Manufacturer	Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A N/A
Stack Parameters	Stack Height	feet N/A
	Stack Inside Diameter	feet N/A
	Stack Temperature	°F N/A
	Stack Exit Velocity	feet/second N/A
	Actual Gas Volume Flow Rate	acfm N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 4 – Screen 2**

Emission Unit Description: **Screen 2 Discharge Conveyor 3 to Stacker Belt 4 or Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	12 x 2.17 x 14.5
	Drop Length if applicable	feet	14.5
	Drop Height if applicable	feet	14.5
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 4 – Screen 2**

Emission Unit Description: **Stacker Belt 4 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	39 x 4 x35
	Drop Length <i>if applicable</i>	feet	35
	Drop Height <i>if applicable</i>	feet	35
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 5 – Screen 3**

Emission Unit Description: **Material to Screen 3 Hopper**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	10 x 3.5 x 12.5
	Drop Length if applicable	feet	2
	Drop Height if applicable	feet	12.5
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 5 – Screen 3**

Emission Unit Description: **Screen 3 (IN: Screen 3 Hopper; OUT: Screen 3 Discharge Conveyor 1, Screen 3 Discharge Conveyor 2, Screen 3 Discharge Conveyor 3)**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	eg. 3-03-024-04 for Conveyors	3-05-020-02
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	20 x 5 x 14
	Drop Length if applicable	feet	1
	Drop Height if applicable	feet	14
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 5 – Screen 3**

Emission Unit Description: **Screen 3 Discharge Conveyor 1 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	25 x 3 x 10
	Drop Length if applicable	feet	10
	Drop Height if applicable	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 5 – Screen 3**

Emission Unit Description: **Screen 3 Discharge Conveyor 2 to Stacker Belt 5 or Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	39 x 4 x 35
	Drop Length if applicable	feet	35
	Drop Height if applicable	feet	35
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. Choose one, if applicable		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 5 – Screen 3**

Emission Unit Description: **Stacker Belt 5 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID	eg. Unit ID: S2.001, PF1.001 <i>Applicable for Renewal or Revision</i>	TBD
	Source Classification Code (SCC)		e.g. 3-03-024-04 for Conveyors 3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	39 x 4 x 35
	Drop Length <i>if applicable</i>	feet	35
	Drop Height <i>if applicable</i>	feet	35
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet	N/A
	Drop Horizontal Dimension 2 <i>if applicable</i>	feet	N/A
	Emissions Released Inside building?		yes/no No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process <i>if applicable</i>	unit /batch	N/A
	Start Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
	End Time <i>if operating less than 24 hours day</i>	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? <i>If "yes", attach manufacturer's sheets immediately after these forms.</i>	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm	N/A
	Stack Release Type		☐ vertical ☐ capped ☐ horizontal

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: **System 5 – Screen 3**

Emission Unit Description: **Screen 3 Discharge Conveyor 3 to Stockpile**

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☒ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2 001, PF1.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	3-05-020-06
	Manufacturer		Not Specified
	Date Manufactured		Not Specified
	Model Number		Not Specified
	Equipment Dimensions (LxWxH)	feet	25 x 3 x 10
	Drop Length if applicable	feet	10
	Drop Height if applicable	feet	10
	The drop height is measured from the ☐ top of the drop length ☐ middle of the drop length ☐ bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>		
	Drop Horizontal Dimension 1 if applicable	feet	N/A
	Drop Horizontal Dimension 2 if applicable	feet	N/A
	Emissions Released Inside building?	yes/no	No
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		Aggregate
	Batch Process if applicable	unit /batch	N/A
	Start Time if operating less than 24 hours/day	hour:minute	N/A
	End Time if operating less than 24 hours/day	hour:minute	N/A
Control Equipment	Manufacturer		Not Specified
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	N/A
	Stack Inside Diameter	feet	N/A
	Stack Temperature	°F	N/A
	Stack Exit Velocity	feet/second	N/A
	Actual Gas Volume Flow Rate	acfm	N/A
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	N/A
	Stack Release Type	☐ vertical ☐ capped ☐ horizontal	

1. How will throughput be monitored for this emission unit? Identify if the throughput will be monitored at this emission unit or at another emission unit and the method (e.g. weigh belt).

Material throughput will be accounted for by tracking the amount of material loaded into the system and daily system outputs of product material produced.

COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: System 6 – Diesel Engines
Emission Unit Description: Water Sprays Generator (MULTIQUIP DCA45, Serial No. 7250867, 60 hp)

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in process narrative. _____

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	2-03-001-01
	Manufacturer		MULTIQUIP
	Date Manufactured		Not Specified
	Model and Serial Number		DCA45 Serial No. 7250867
	Emissions Released Inside building?	yes/no	No
For Reciprocating Internal Combustion Engines (RICE) Only	Type of Engine Code (See Notes*)		NECI
	Date Constructed	month/day/yr	Not Specified
	Cylinder Displacement	liter/cylinder	3.0
	EPA Tier #		Interim Tier 4
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	Unit is requested to be permitted as portable within the area of the corner coordinates provided see plant area boundary coordinates in section G.
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters /Fuel Usage	Fuel Type		Diesel
	Fuel Flow Meter Installed?	yes/no/NA	No
	Sulfur Content	%	0.0015
	Heat Content	Btu/unit	140,000
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer		N/A
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	5
	Stack Inside Diameter	feet	0.25
	Stack Temperature	°F	896
	Stack Exit Velocity	feet/second	79.11
	Actual Gas Volume Flow Rate	acfm	233
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	Not Specified
	Stack Release Type		☒ vertical ☐ capped ☐ horizontal

Notes*

Code	Description	Code	Description
LU	Limited Use	E-SI	Emergency Spark Ignition
LDG	Landfill/Digester Gas	SI4SRB	Spark Ignition 4-Stroke Rich Burn
NECI	Non-Emergency Compression Ignition	SI4SLB	Spark Ignition 4-Stroke Lean Burn
ECI	Emergency Compression Ignition	SI2SLB	Spark Ignition 2-Stroke Lean Burn

COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT (continued)

Emission Unit Description:

1. How will fuel consumption be monitored for this emission unit? (e.g. maximum fuel consumption rate supplied by manufacturer, fuel flow meter).

Maximum fuel consumption rate multiplied by hours of operation.

2. Does this unit have the capability to bypass air pollution controls in an emergency situation as defined under NAC 445B.056?:

☐ Yes ☒ No



DCA45USI

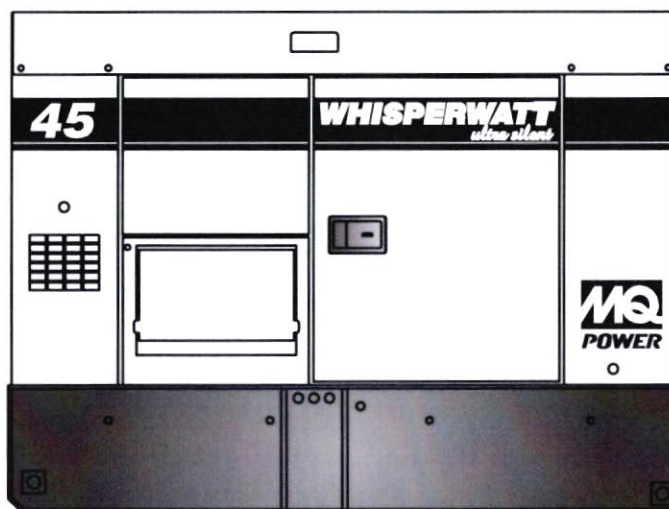
MQ POWER Series Generator

WhisperWatt™

Prime Rating — 36 kW (45 kVA)

Standby Rating — 40 kW (50 kVA)

Three-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class H insulation systems.
- Open delta excitation design provides virtually unlimited excitation for maximum motor starting capability.
- Automatic voltage regulator (AVR) provides precise regulation.
- Electronic Governor Control (Crystal Sync) — maintains frequency to within $\pm 0.25\%$ from no load to full load.
- Full load acceptance of standby nameplate rating in one step (NFPA 110, para 5-13.2.6).
- Sound attenuated, weather resistant, steel housing provides operation at 58 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- Internal fuel tank with direct reading of fuel gauge.
- Seven stage powder coat paint system provides durability and weather protection.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Complete engine analog instrumentation includes DC ammeter, oil pressure gauge, water temp. gauge, fuel level gauge, tachometer/hour meter, preheat indicator, emergency shutdown monitors.
- Automatic start/stop control — automatically starts the generator set during a commercial power failure when used in conjunction with a transfer switch.
- Complete generator analog instrumentation includes voltage regulator control, ammeter phase selector switch, voltmeter phase selector switch, AC voltmeter, AC ammeter, frequency meter, panel light, and circuit breaker.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, overspeed and overcrank. Warning lights indicate abnormal conditions.
- Complete power panel. Fully covered; three-phase terminals and single phase receptacles allow fast and convenient hookup for most applications including temporary power boxes, tools and lighting equipment. The GFCI receptacles are NEMA 5-20, and the auxiliary outputs use CS6369 twist-lock receptacles.
- Simultaneous single and three phase power.
- Voltage selector switch offers the operator a wide range of voltages that are manually selectable. Fine tuning of the output voltage can be accomplished by adjusting the voltage regulator control knob to obtain the desired voltage.
- EPA emissions certified - Interim Tier 4 emissions compliant.

**DCA45USI****MQ POWER Series Generator****SPECIFICATIONS****Generator Specifications**

Design	Revolving field, self-ventilated Drip-proof, single bearing	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	40 KW (50 KVA)	27.6 KW
Prime Output	36 KW (45 KVA)	26 KW
3Ø Voltage (L-L/L-N) Voltage Selector Switch at 3Ø 240/139	208Y/120, 220Y/127, 240Y/139	N/A
3Ø Voltage (L-L/L-N) Voltage Selector Switch at 3Ø 480/277	416Y/240, 440Y/254, 480Y/277	N/A
1Ø Voltage (L-L/L-N) (Voltage Selector Switch at 1Ø 240/120)	N/A	240/120
Power Factor	0.8	1.0
Voltage Regulation (No load to full load)	±0.5%	
Generator RPM	1800	
Frequency	60 Hz	
No. of Poles	4	
Excitation	Brushless with AVR	
Frequency	60 Hz	
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load	
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.	
Insulation	Class H	
Sound Level dB(A) Full load at 23 feet	58	

Engine Specifications

Make / Model	Isuzu / BU-4JJ1T
Emissions	EPA Interim Tier 4 Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged
Displacement	183.0 in ³ (2999 cc)
No. cylinders	4
Bore x Stroke (mm)	95.4 x 104.9
Gross Engine Power Output	67.1 bhp (50 kW)
BMEP	136 psi (940 kPa)
Piston Speed	1237 ft./min. (6.29 m/s)
Compression Ratio	17.5:1
Engine Speed	1800 rpm
Overspeed Limit	2100 rpm
Oil Capacity	3.96 gallons (15 liters)
Battery	12V 72Ah x 1

Fuel System

Recommended Fuel	ASTM-D975-No. 1 & No.2-D	
Maximum Fuel Flow (per hour)	16 gallons (61 liters)	
Maximum Inlet Restriction (Hg)	5.9 in. (150 mm)	
Fuel Tank Capacity	79.2 gallons (300 liters)	
Fuel Consumption	gph	lph
At full load	2.7	10.4
At 3/4 load	2.1	8.0
At 1/2 load	1.5	5.6
At 1/4 load	0.9	3.4

Cooling System

Fan Load	0.54 hp (0.7 kW)
Coolant Capacity (with radiator)	3.15 gallons (12 liters)
Coolant Flow Rate (per minute)	15.4 gallons (58.5 liters)
Heat Rejection to Coolant (per minute)	1640 Btu (1.73 MJ)
Heat Rejection to Room (per minute)	379 Btu (0.40 MJ)
Maximum Coolant Friction Head	6.1 psi (42 kPa)
Maximum Coolant Static Head	21 feet (6.4 meters)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	99 cfm (2.8 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.25 kPa)
Alternator Cooling Air	526 cfm (14.9 m ³ /min)
Radiator Cooling Air	1472 cfm (41.7 m ³ /min)

Exhaust System

Gas Flow (full load)	233 cfm (6.6 m ³ /min)
Gas Temperature	896°F (480°C)
Maximum Back Pressure	53.2 in. H ₂ O (13.3 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	100 Amps (4 wire) 108A x 2 (Zigzag)
1Ø 240 Volt	50 Amps (4 wire) 108A (Zigzag)
3Ø 240 Volt	108 Amps
3Ø 480 Volt	54 Amps
Main Line Circuit Breaker Rating	125 Amps
Over Current Relay Trip Set Point 480V Mode Only	54 Amps

WARRANTY***Isuzu Engine**

12 months from date of purchase with unlimited hours or 24 months from date of purchase with 2000 hours (whichever comes first).

Generator

24 months from date of purchase or 2000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

*Refer to the express written, one-year limited warranty sheet for additional information.

NOTICE

Generator is not intended for use in enclosed areas or where free flow of air is restricted.

Backfeed to a utility system can cause electrocution, shock and/or property damage. **DO NOT** connect to any building's electrical system except through an approved device.

Specifications are subject to change without notice.



DCA45USI

MQ POWER Series Generator

MQ POWER DECIBEL LEVELS

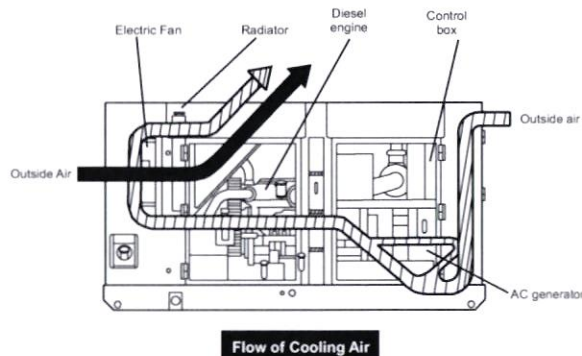
Our soundproof housing allows substantially lower operating noise levels than competitive designs. WhisperWatts are at home on construction sites, in residential neighborhoods, and at hospitals — just about anywhere.

- 90 — Subway / truck traffic
- 80 — Average city traffic
- 70 — Inside car at 60 mph
- 60 — Air conditioner at 20 feet
- 58.0 — Ultra-Silent at 23 feet**
- 50 — Normal conversation

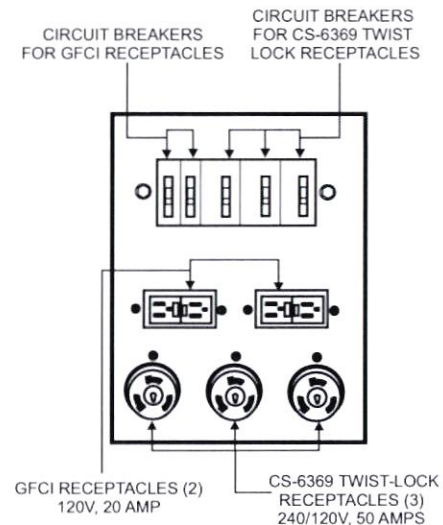
58.0
DECIBELS

ULTRA-SILENT FEATURES

- **Low Noise Muffler** — Large capacity low noise muffler minimizes exhaust sound.
- **Soundproof Casing** — The new design divides the cabinet into three sections, separating the engine, muffler and radiator for more efficient cooling and reduces noise from the engine and fans.
- **New Cooling System** — An advanced design uses two separate air intake systems to cool the generator. The engine fan draws air in to cool the engine and generator housing while a second electric fan directly cools the radiator. With less air being drawn into the generator through each fan, considerably less noise is produced through the top of the generator.
- **Environmental Design** — Constructed using an integrated environmental skid and fuel tank. This design fully contains fuel leakage and any liquid that might leak from the engine such as lube oil or radiator coolant. All potentially hazardous liquids are contained without contaminating the surrounding area.



GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Jacket Water Heater** — for easy starting in cold weather climates.
- **Special Batteries** — long life batteries provide extra engine cranking power.
- **Low Coolant Level Shutdown** — provides protection from critically low coolant levels. Includes control panel warning light.
- **Spring Isolators** — provides extra vibration protection for standby applications.
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electric or surge-hydraulic brakes with double or triple axle configuration.

OPTIONAL CONTROL FEATURES

- **Emergency Stop Switch** — when manually activated shuts down generator in the event of an emergency.

- **Audible alarm** — alerts operator of abnormal conditions.

OPTIONAL OUTPUT CONNECTIONS

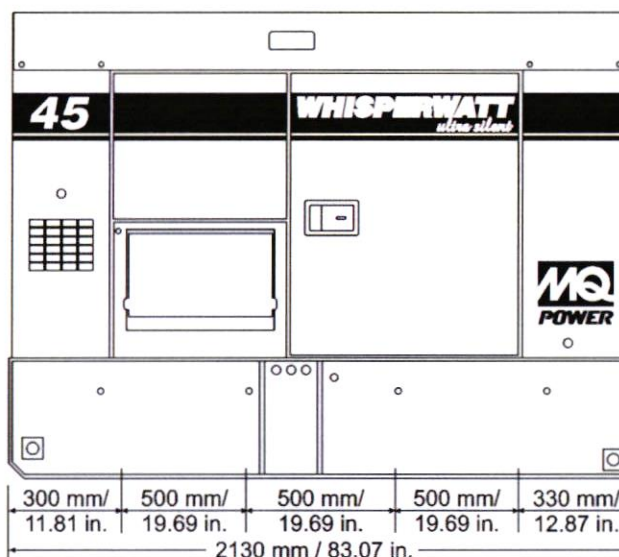
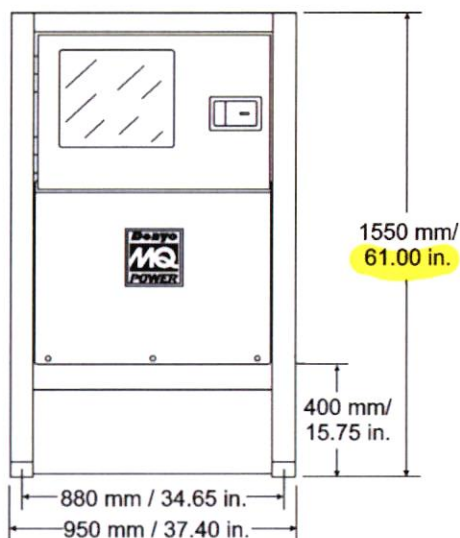
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



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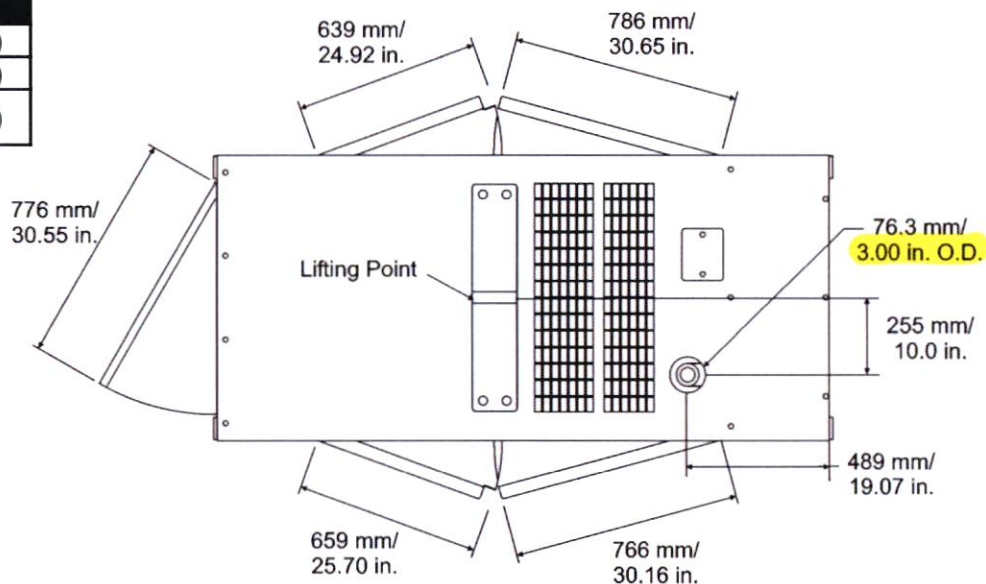
MQ POWER Series Generator

DIMENSIONS



Weight

Dry Weight	2,888 lbs. (1,310 kg)
Wet Weight	3,499 lbs. (1,587 kg)
Max. Lifting Point Capacity	6,960 lbs. (3,157 kg)



Generator can be placed on
an MQ Power Model TRLR70
Tandem Axle Trailer

Manufactured by Denyo Co.

Your MultiQuip dealer is:



COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT

System Number and Name: System 6 – Diesel Engines
Emission Unit Description: Office Scale House Generator (MULTIQUIP DCA25, Serial No. 7157434, 31 hp)

Alternative Operating Scenario: ☐ Yes ☒ No

Insignificant Activity: ☐ Yes ☒ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ Yes ☐ No If yes, identify in process narrative. _____

Description			Data
Equipment Description	BAPC Emission Unit ID Applicable for Renewal or Revision	eg. Unit ID: S2.001	TBD
	Source Classification Code (SCC)	e.g. 3-03-024-04 for Conveyors	2-03-001-01
	Manufacturer	MULTIQUIP	
	Date Manufactured	Not Specified	
	Model and Serial Number	DCA25 Serial No. 7157434	
	Emissions Released Inside building?	yes/no	No
For Reciprocating Internal Combustion Engines (RICE) Only	Type of Engine Code (See Notes*)	NECI	
	Date Constructed	month/day/yr	Not Specified
	Cylinder Displacement	liter/cylinder	2.2
	EPA Tier #	Interim Tier 4	
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	4,380,543.08
	UTM Easting (NAD 83, Zone 11)	m	280,856.56
Operating Parameters /Fuel Usage	Fuel Type	Diesel	
	Fuel Flow Meter Installed?	yes/no/NA	No
	Sulfur Content	%	0.0015
	Heat Content	Btu/unit	140,000
	Start Time if operating less than 24 hours day	hour:minute	N/A
	End Time if operating less than 24 hours day	hour:minute	N/A
Control Equipment	Manufacturer	N/A	
	Manufacturer's Guarantee Included? If "yes", attach manufacturer's sheets immediately after these forms.	yes/N/A	N/A
Stack Parameters	Stack Height	feet	4.13
	Stack Inside Diameter	feet	0.04
	Stack Temperature	°F	1004
	Stack Exit Velocity	feet/second	2015.96
	Actual Gas Volume Flow Rate	acfm	152
	Dry Gas Volume Flow Rate If not included in detailed calculations.	dscfm	Not Specified
	Stack Release Type	☒ vertical ☐ capped ☐ horizontal	

Notes*

Code	Description	Code	Description
LU	Limited Use	E-SI	Emergency Spark Ignition
LDG	Landfill/Digester Gas	SI4SRB	Spark Ignition 4-Stroke Rich Burn
NECI	Non-Emergency Compression Ignition	SI4SLB	Spark Ignition 4-Stroke Lean Burn
ECI	Emergency Compression Ignition	SI2SLB	Spark Ignition 2-Stroke Lean Burn

COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT (continued)

Emission Unit Description:

1. How will fuel consumption be monitored for this emission unit? (e.g. maximum fuel consumption rate supplied by manufacturer, fuel flow meter).

Maximum fuel consumption rate multiplied by hours of operation.

2. Does this unit have the capability to bypass air pollution controls in an emergency situation as defined under NAC 445B.056?:

☐ Yes ☒ No



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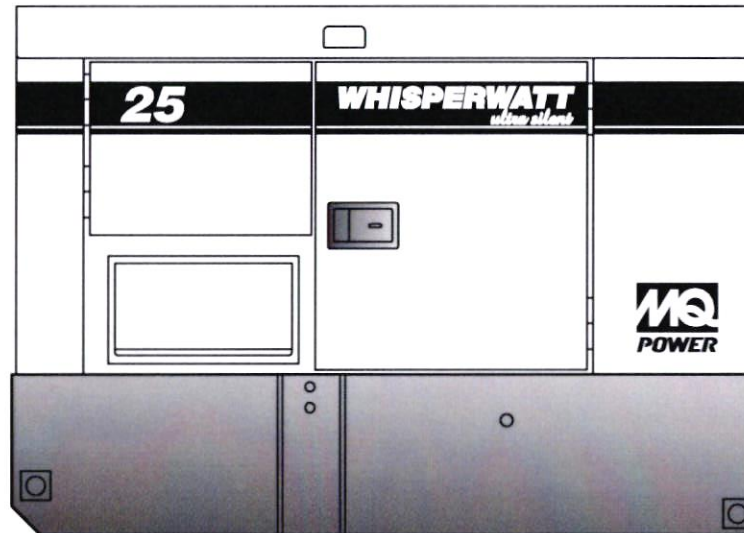
MQ POWER Series Generator

WhisperWatt™ 25

Prime Rating — 20 kW (25 kVA)

Standby Rating — 22 kW (27.5 kVA)

60 Hertz



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class F insulation systems.
- Open delta excitation design provides virtually unlimited excitation for maximum motor starting capability.
- Automatic voltage regulator (AVR) provides precise regulation.
- Full load acceptance of standby nameplate rating in one step (NFPA 110, para 5-13.2.6).
- Sound attenuated, weather resistant, steel housing provides operation at 59 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- Internal fuel tank with direct reading of fuel gauge.
- Seven stage powder coat paint system provides durability and weather protection.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Complete engine analog instrumentation includes DC ammeter, oil pressure gauge, water temp. gauge, fuel level gauge, tachometer/hour meter, preheat indicator, emergency shutdown monitors, and keyed start switch.
- Complete generator analog instrumentation includes voltage regulator control, ammeter phase selector switch, voltmeter phase selector switch, AC voltmeter, AC ammeter, frequency meter, panel light, and circuit breaker.
- Automatic safety shutdown system monitors the engine oil pressure and coolant temperature. Warning lights indicate abnormal conditions.
- Complete power panel. Fully covered; three-phase terminals and single phase receptacles allow fast and convenient hookup for most applications including temporary power boxes, tools and lighting equipment. The GFCI receptacles are NEMA 5-20, and the auxiliary outputs use CS6369 twist-lock receptacles.
- Simultaneous single and three phase power.
- Voltage selector switch offers the operator a wide range of voltages that are manually selectable. Fine tuning of the output voltage can be accomplished by adjusting the voltage regulator control knob to obtain the desired voltage.
- EPA emissions certified - Interim Tier 4 emissions compliant.



DCA25USI

MQ POWER Series Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	22 KW (27.5 KVA)	15.3 KW
Prime Output	20 KW (25 KVA)	14.4 KW
3Ø Voltage (L-L/L-N) Voltage Selector Switch at 3Ø 240/139	208Y/120, 220Y/127, 240Y/139	N/A
3Ø Voltage (L-L/L-N) Voltage Selector Switch at 3Ø 480/277	416Y/240, 440Y/254, 480Y/277	N/A
1Ø Voltage (L-L/L-N) (Voltage Selector Switch at 1Ø 240/120)	N/A	240/120
Power Factor	0.8	1.0
Voltage Regulation (No load to full load)	±0.5%	
Generator RPM	1800	
Frequency	60 Hz	
No. of Poles	4	
Excitation	Brushless with AVR	
Frequency	60 Hz	
Frequency Regulation: No Load to Full Load	3-5% under varying loads from no load to 100% rated load	
Frequency Regulation: Steady State	±0.5% of mean value for constant loads from no load to full load.	
Insulation	Class F	
Sound Level dB(A) Full load at 23 feet	59	

Engine Specifications

Make / Model	Isuzu / BV-4LE2	
Emissions	EPA Interim Tier 4 Certified	
Starting System	Electric	
Design	4-cycle, water cooled, direct injection	
Displacement	133.0 in ³ (2179 cc)	
No. cylinders	4	
Bore x Stroke (mm)	85 x 96	
Gross Engine Power Output	35.9 bhp (26.8 kWm)	
BMEP	100 psi (691 kPa)	
Piston Speed	1134 ft./min. (5.76 m/s)	
Compression Ratio	18:1	
Engine Speed	1800 rpm	
Overspeed Limit	2100 rpm	
Oil Capacity	2.25 gallons (8.5 liters)	
Battery	12V 53Ah x 1	

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D	
Maximum Fuel Flow (per hour)	3.7 gallons (14.0 liters)	
Maximum Inlet Restriction (Hg)	8.66 in. (220 mm)	
Fuel Tank Capacity	41.7 gallons (158 liters)	
Fuel Consumption	gph	lph
At full load	1.66	6.3
At 3/4 load	1.21	4.6
At 1/2 load	0.85	3.2
At 1/4 load	0.58	2.2

Cooling System

Fan Load	0.13 hp (0.1 kW)
Coolant Capacity (with radiator)	1.70 gallons (6.4 liters)
Coolant Flow Rate (per minute)	15.6 gallons (59 liters)
Heat Rejection to Coolant (per minute)	862 Btu (0.91 MJ)
Heat Rejection to Room (per minute)	209 Btu (0.22 MJ)
Maximum Coolant Friction Head	3.1 psi (21.6 kPa)
Maximum Coolant Static Head	21 feet (6.4 meters)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	56 cfm (1.6 m ³ /min)
Maximum Air Cleaner Restriction	24.9 in. H ₂ O (6.2 kPa)
Alternator Cooling Air	388 cfm (11 m ³ /min)
Radiator Cooling Air	1059 cfm (30 m ³ /min)

Exhaust System

Gas Flow (full load)	152 cfm (4.08 m ³ /min)
Gas Temperature	1004°F (570°C)
Maximum Back Pressure	28.0 in. H ₂ O (7.0 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	55.6 Amps (4 wire) 60A x 2 (Zigzag)
1Ø 240 Volt	27.8 Amps (4 wire) 60A (Zigzag)
3Ø 240 Volt	60 Amps
3Ø 480 Volt	30 Amps
Main Line Circuit Breaker Rating	60 Amps
Over Current Relay Trip Set Point 480V Mode Only	30 Amps

WARRANTY*

Isuzu Engine

12 months from date of purchase with unlimited hours or 24 months from date of purchase with 2000 hours (whichever comes first).

Generator

24 months from date of purchase or 2000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

*Refer to the express written, one-year limited warranty sheet for additional information.

NOTICE

Generator is not intended for use in enclosed areas or where free flow of air is restricted.

Backfeed to a utility system can cause electrocution, shock and/or property damage. **DO NOT** connect to any building's electrical system except through an approved device.

Specifications are subject to change without notice.



DCA25USI

MQ POWER Series Generator

MQ POWER DECIBEL LEVELS

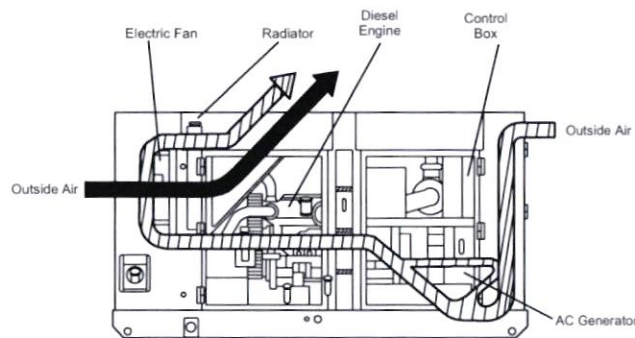
Our soundproof housing allows substantially lower operating noise levels than competitive designs. WhisperWatts are at home on construction sites, in residential neighborhoods, and at hospitals — just about anywhere.

- 90 — Subway / truck traffic
- 80 — Average city traffic
- 70 — Inside car at 60 mph
- 60 — Air conditioner at 20 feet
- 59.0 — Ultra Silent at 23 feet**
- 50 — Normal conversation

59.0
DECIBELS

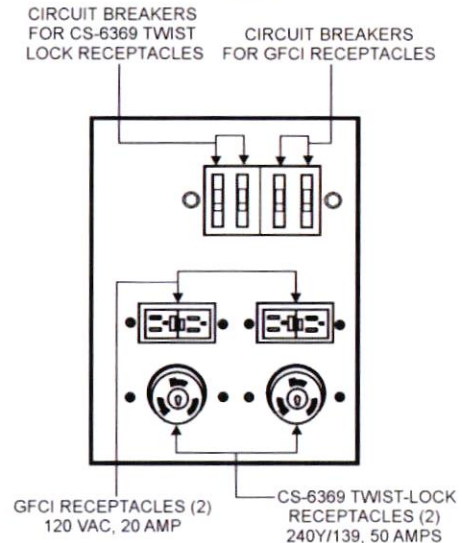
ULTRA-SILENT FEATURES

- **Low Noise Muffler** — Large capacity low noise muffler minimizes exhaust sound.
- **Soundproof Casing** — The new design divides the cabinet into three sections, separating the engine, muffler and radiator for more efficient cooling and reduces noise from the engine and fans.
- **New Cooling System** — An advanced design uses two separate air intake systems to cool the generator. The engine fan draws air in to cool the engine and generator housing while a second electric fan directly cools the radiator. With less air being drawn into the generator through each fan, considerably less noise is produced through the top of the generator.
- **Environmental Design** — Constructed using an integrated environmental skid and fuel tank. This design fully contains fuel leakage and any liquid that might leak from the engine such as lube oil or radiator coolant. All potentially hazardous liquids are contained without contaminating the surrounding area.



Flow of Cooling Air

GENERATOR OUTPUT PANEL



OPTIONAL CONTROL FEATURES

- **Emergency Stop Switch** — when manually activated shuts down generator in the event of an emergency.
- **Audible alarm** — alerts operator of abnormal conditions.
- **Automatic Start / Stop Control** — automatically starts the generator set during a commercial power failure when used in conjunction with a transfer switch.

OPTIONAL GENERATOR FEATURES

- **Electronic Governor Control (Crystal Sync)** — maintains frequency to within $\pm 0.25\%$ from no load to full load.
- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Jacket Water Heater** — for easy starting in cold weather climates.
- **Low Coolant Level Shutdown** — provides protection from critically low coolant levels. Includes control panel warning light.
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations.

OPTIONAL OUTPUT CONNECTIONS

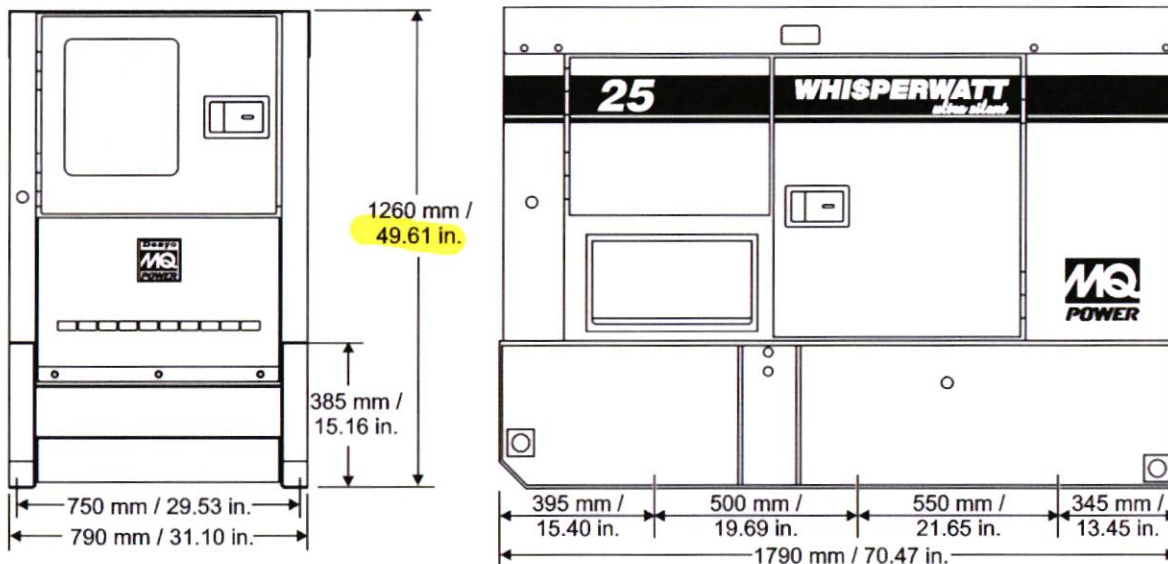
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.



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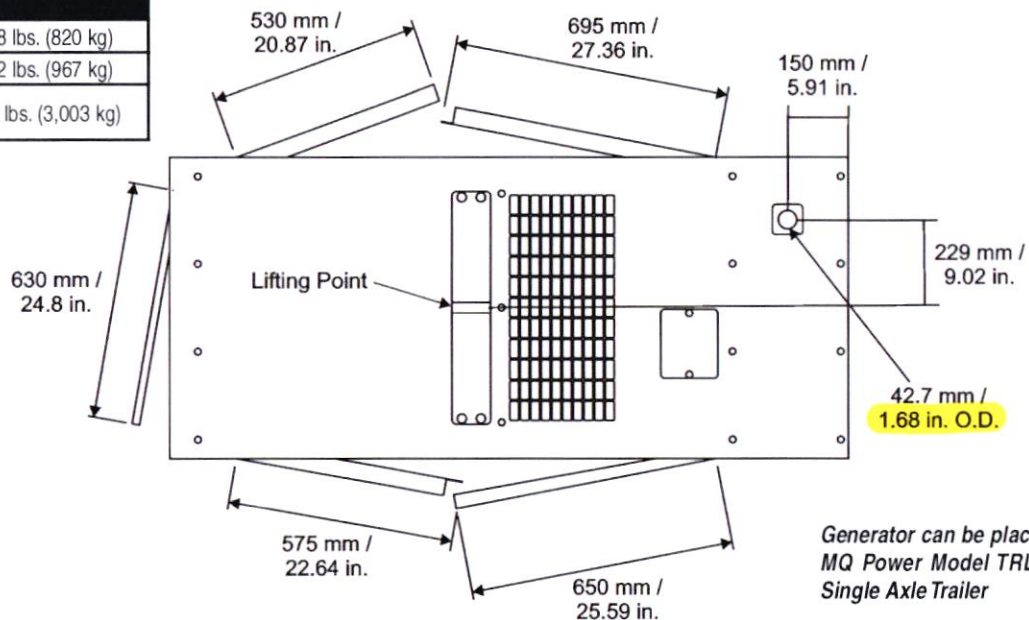
MQ POWER Series Generator

DIMENSIONS



Weight

Dry Weight	1,808 lbs. (820 kg)
Wet Weight	2,132 lbs. (967 kg)
Max. Lifting Point Capacity	6,620 lbs. (3,003 kg)



Generator can be placed on a
MQ Power Model TRLR25US
Single Axle Trailer

Manufactured by Denyo Co.

Your MultiQuip dealer is:



REVISION TABLE – *Not Applicable*

[illegible]

Detailed Emission Calculations Summary

Unit Description	Requested Emission Limits (lb/hr)								Requested Emission Limits (ton/yr)								
	PM	PM ₁₀	PM _{2.5}	SO ₂	CO	NOx	VOC	Total HAP	PM	PM ₁₀	PM _{2.5}	SO ₂	CO	NOx	VOC	Total HAP	CO2-e
System 1 - Crushing and Screening Operation	3.23	1.14	0.17	-	-	-	-	-	14.13	4.99	0.76	-	-	-	-	-	-
System 2 - Jaw Crushing	1.08	0.43	0.066	-	-	-	-	-	4.73	1.87	0.29						
System 3 - Cone Crushing	2.28	0.83	0.13	-	-	-	-	-	9.99	3.61	0.55						
System 4 - Screen 2	3.00	1.06	0.16	-	-	-	-	-	13.14	4.63	0.70						
System 5 - Screen 3	3.00	1.06	0.16	-	-	-	-	-	13.14	4.63	0.70						
System 6 - Diesel Engines	0.051	0.051	0.051	0.19	0.88	0.96	0.22	0.0024	0.29	0.29	0.29	1.04	4.83	4.54	1.26	0.011	460.59
Total	12.64	4.56	0.74	0.19	0.88	0.96	0.22	0.0024	55.41	20.03	3.29	1.04	4.83	4.54	1.26	0.011	460.59

Industrial Detailed Emission Calculations

Emission Unit ID	Equipment Description	Operating Limits				Emission Factors			Control Technology		Emission Limits			Annual Emissions			ReferenceSource
		(hours)		(throughputs)		PM	PM ₁₀	PM _{2.5}	Type	Percent	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}	
		Daily	Annual	Hour	Annual												
System 01 - Crushing and Screening Operation																	
PF1 001	Material to Screen 1 Hopper via Loader	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF1 002	Screen 1 and Associated Transfers (IN Screen1 Hopper, OUT Screen 1 Discharge Conveyor 1, Screen 1 Discharge Conveyor 2, and Screen 1 Discharge Conveyor 3)	24	8,760	300	2,628,000	0.025	0.0086	0.00130	Water Sprays	75%	1.88	0.645	0.098	8.21	2.83	0.428	AP-42, Section 11 19 2-2, screening (uncontrolled), PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF1 003	Screen 1 Discharge Conveyor to Sucker Belt 1 or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF1 004	Sucker Belt 1 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF1 005	Screen1 Discharge Conveyor 2 to Sucker Belt 2 or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF1 006	Sucker Belt 2 to Jaw Crusher Hopper or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF1 007	Screen 1 Discharge Conveyor 3 to Jaw Crusher Hopper	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
System 02 - Jaw Crushing																	
PF2 001	Material to Jaw Crusher Hopper via Loader	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.056	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF2 002	Jaw Crusher and Associated Transfers (IN Jaw Crusher Hopper, OUT Jaw Crusher Discharge Conveyor 1 and Jaw Crusher Discharge Conveyor 2)	24	8,760	300	2,628,000	0.005	0.0024	0.00036	Water Sprays	75%	0.41	0.180	0.027	1.77	0.79	0.119	AP-42, Section 11 19 2-2, tertiary crushing (uncontrolled), PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-5
PF2 003	Jaw Crusher Discharge Conveyor 1 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.361	0.056	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF2 004	Jaw Crusher Discharge Conveyor 2 to Cone Crusher Hopper or Sucker Belt 2	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.361	0.056	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
System 03 - Cone Crushing																	
PF3 001	Cone Crusher and Associated Transfers (IN Cone Crusher Hopper, OUT Cone Crusher Discharge Conveyor)	24	8,760	300	2,628,000	0.005	0.0024	0.00036	Water Sprays	75%	0.41	0.180	0.027	1.77	0.79	0.119	AP-42, Section 11 19 2-2, tertiary crushing (uncontrolled), PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-5
PF3 002	Cone Crusher Discharge Conveyor to Screen 2 Hopper	24	8,760	300	2,628,000	0.025	0.0086	0.00132	Water Sprays	75%	1.88	0.645	0.099	8.21	2.83	0.434	AP-42, Section 11 19 2-2, screening (uncontrolled), PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
System 04 - Screen 2																	
PF4 001	Screen 2 and Associated Transfers (IN Screen 2 Hopper, OUT Screen 2 Discharge Conveyor 1, Screen 2 Discharge Conveyor 2, and Screen 2 Discharge Conveyor 3)	24	8,760	300	2,628,000	0.025	0.0086	0.00130	Water Sprays	75%	1.88	0.645	0.098	8.21	2.83	0.428	AP-42, Section 11 19 2-2, screening (uncontrolled), PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF4 002	Screen 2 Discharge Conveyor 1 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF4 003	Screen 2 Discharge Conveyor 2 to Sucker Belt 3 or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF4 004	Sucker Belt 3 to Cone Crusher Hopper or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF4 005	Screen 2 Discharge Conveyor 3 to Sucker Belt 4 or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF4 006	Sucker Belt 4 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
System 05 - Screen 3																	
PF5 001	Material to Screen 3 Hopper	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF5 002	Screen 3 (IN Screen 3 Hopper, OUT Screen 3 Discharge Conveyor 1, Screen 3 Discharge Conveyor 2, Screen 3 Discharge Conveyor 3)	24	8,760	300	2,628,000	0.025	0.0086	0.00130	Water Sprays	75%	1.88	0.645	0.098	8.21	2.83	0.428	AP-42, Section 11 19 2-2, screening (uncontrolled), PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF5 003	Screen 3 Discharge Conveyor 1 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF5 004	Screen 3 Discharge Conveyor 2 to Sucker Belt 5 or Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF5 005	Sucker Belt 5 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
PF5 006	Screen 3 Discharge Conveyor 3 to Stockpile	24	8,760	300	2,628,000	0.003	0.0011	0.00017	Water Sprays	75%	0.23	0.083	0.013	0.99	0.36	0.055	AP-42, Section 11 19 2-2, conveyor transfer point PM2.5 emissions estimated using the k-value ratio PM10/PM2.5 = 6.6 from AP-42 Section 13 2 4-4
Total											12.59	4.508	0.685	55.12	19.74	3.000	

Diesel Combustion Emission Calculations

Source #	Source Description	Operating Limits		Power Rating (hp)	Power Output (kW)	Heat Input (MMBtu/hr) ¹	Fuel Consumption (gal/hr)	Emissions					Reference
		(hours)						Pollutant	Factor	Unit	Hourly	Annual	
		Daily	Annual								(lb/hr)	(ton/yr)	
System 2 - Diesel Engine(s)													
TBD	Water Sprays Generator (MULTIQUIP DCA45, Serial No. 7250867, 60 hp)	24	8760	67.1	50	0.4102	2.93	PM	6.61E-04	lb/kW-hr	0.033	0.14	40 CFR 1039.102 Table 3 - Interim Tier 4 Exhaust Emission Standards 37 ≤ kW < 56
								PM10	6.61E-04	lb/kW-hr	0.033	0.14	40 CFR 1039.102 Table 3 - Interim Tier 4 Exhaust Emission Standards 37 ≤ kW < 56
								PM _{2.5}	6.61E-04	lb/kW-hr	0.033	0.14	40 CFR 1039.102 Table 3 - Interim Tier 4 Exhaust Emission Standards 37 ≤ kW < 56
								SO ₂	0.29	lb/MMBtu	0.12	0.52	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-1
								NO _x	0.010	lb/kW-hr	0.52	2.27	40 CFR 1039.102 Table 3 - Interim Tier 4 Exhaust Emission Standards 37 ≤ kW < 56
								CO	0.011	lb/kW-hr	0.55	2.41	40 CFR 1039.102 Table 3 - Interim Tier 4 Exhaust Emission Standards 37 ≤ kW < 56
								VOC	0.35	lb/MMBtu	0.14	0.63	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-1
TBD	Office Scale House Generator (MULTIQUIP DCA25, Serial No. 7157434, 31 hp)	24	8760	35.9	26.8	0.2324	1.66	PM	6.61E-04	lb/kW-hr	0.018	0.14	40 CFR 1039.102 Table 2 - Interim Tier 4 Exhaust Emission Standards 19 ≤ kW < 37
								PM10	6.61E-04	lb/kW-hr	0.018	0.14	40 CFR 1039.102 Table 2 - Interim Tier 4 Exhaust Emission Standards 19 ≤ kW < 37
								PM _{2.5}	6.61E-04	lb/kW-hr	0.018	0.14	40 CFR 1039.102 Table 2 - Interim Tier 4 Exhaust Emission Standards 19 ≤ kW < 37
								SO ₂	0.29	lb/MMBtu	0.067	0.52	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-1
								NO _x	0.017	lb/kW-hr	0.44	2.27	40 CFR 1039.102 Table 2 - Interim Tier 4 Exhaust Emission Standards 19 ≤ kW < 37
								CO	0.012	lb/kW-hr	0.32	2.41	40 CFR 1039.102 Table 2 - Interim Tier 4 Exhaust Emission Standards 19 ≤ kW < 37
								VOC	0.35	lb/MMBtu	0.081	0.63	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-1
								Totals	PM	0.051	0.29		
									PM ₁₀	0.051	0.29		
									PM _{2.5}	0.051	0.29		
									SO ₂	0.19	1.04		
									NO _x	0.96	4.54		
									CO	0.88	4.83		
								VOC	0.22	1.26			

Notes:
¹Based on diesel fuel heat content rating of 140,000 BTU/gal

Diesel Combustion Emission Calculations - HAPs

Source #	Source Description	Operating Limits		Heat Input	Fuel Consumption	Emissions				References
		(hours)				Pollutant	Factor (lb/MMBtu)	Hourly (lb/hr)	Annual (ton/yr)	
		Daily	Annual	(MMBtu/hr) ¹	(gal/hr)					
System 2 - Diesel Engine(s)										
TBD	Water Sprays Generator (MULTIQUIP DCA45, Serial No. 7250867, 60 hp)	24	8760	0.4102	2.93	Benzene	9.33E-04	3.83E-04	0.0017	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-2
						Toluene	4.09E-04	1.68E-04	7.35E-04	
						Xylenes	2.85E-04	1.17E-04	5.12E-04	
						1,3-Butadiene	3.91E-05	1.60E-05	7.03E-05	
						Formaldehyde	0.0012	4.84E-04	0.0021	
						Acetaldehyde	7.67E-04	3.15E-04	0.0014	
						Acrolein	9.25E-05	3.79E-05	1.66E-04	
						Naphthalene	8.48E-05	3.48E-05	1.52E-04	
						Total HAP	0.0038	0.0016	0.0068	
TBD	Office Scale House Generator (MULTIQUIP DCA25, Serial No. 7157434, 31 hp)	24	8760	0.231	1.65	Benzene	9.33E-04	2.16E-04	9.44E-04	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-2
						Toluene	4.09E-04	9.45E-05	4.14E-04	
						Xylenes	2.85E-04	6.58E-05	2.88E-04	
						1,3-Butadiene	3.91E-05	9.03E-06	3.96E-05	
						Formaldehyde	0.0012	2.73E-04	0.0012	
						Acetaldehyde	7.67E-04	1.77E-04	7.76E-04	
						Acrolein	9.25E-05	2.14E-05	9.36E-05	
						Naphthalene	8.48E-05	1.96E-05	8.58E-05	
						Total HAP	0.0038	8.76E-04	0.0038	
						Totals	Benzene	5.98E-04	0.0026	
							Toluene	2.62E-04	0.0011	
							Xylenes	1.83E-04	8.00E-04	
							1,3-Butadiene	2.51E-05	1.10E-04	
							Formaldehyde	7.57E-04	0.0033	
							Acetaldehyde	4.92E-04	0.0022	
							Acrolein	5.93E-05	2.60E-04	
							Naphthalene	5.44E-05	2.38E-04	
Total HAP	0.0024	0.011								

Notes
¹Based on diesel fuel heat content rating of 140,000 BTU/gal.

Diesel Combustion Emission Calculations - GHG

Source #	Source Description	Operating Limits		Heat Input (MMBtu/hr) ¹	Fuel Consumption (gal/hr)	Emissions						References
		(hours)				Pollutant	Factor	GWP Multiplier	Unit	Hourly	Annual	
		Daily	Annual							(lb/hr)	(ton/yr)	
System 2 - Diesel Engine(s)												
TBD	Water Sprays Generator (MULTIQUIP DCA45, Serial No. 7250867, 60 hp)	24	8760	0.41	2.93	CO ₂	164	1	lb/MMBtu	67.27	294.65	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-1
						CH ₄	-	25	-	-	-	
						N ₂ O	-	298	-	-	-	
						CO ₂ -e				67.27	294.65	
TBD	Office Scale House Generator (MULTIQUIP DCA25, Serial No. 7157434, 31 hp)	24	8760	0.23	1.65	CO ₂	164	1	lb/MMBtu	37.88	165.93	AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.3, Table 3.3-1
						CH ₄	-	25	-	-	-	
						N ₂ O	-	298	-	-	-	
						CO ₂ -e				37.88	165.93	
								Totals	CO ₂	105.16	460.59	
									CH ₄	-	-	
									N ₂ O	-	-	
									CO ₂ -e	105.16	460.59	

Notes:
¹Based on diesel fuel heat content rating of 140,000 BTU/gal.

SURFACE AREA DISTURBANCE FORM

1. Total Acres of the Facility Site: Mustang Quarry
2. Total Acres Disturbed: 31 acres
3. Add Surface Area Disturbance location as Township(s), Range(s) and Section
Township 19, Range 22, Sections 5-6
4. NAC 445B.22037 requires fugitive dust to be controlled (regardless of the size or amount of acreage disturbed), and requires an ongoing program, using best practical methods, to prevent particulate matter from becoming airborne. All activities which have the potential to adversely affect the local air quality must implement all appropriate measures to limit controllable emissions. Appropriate measures for dust control may consist of a phased approach to acreage disturbance rather than disturbing the entire area all at once; using wet suppression through such application methods as water trucks or water spray systems to control wind-blown dust; the application of soil binding agents or chemical surfactant to roadways and areas of disturbed soil; as well as the use of wind-break or wind limiting fencing designed to limit wind erosion soils.
5. If the Surface Area Disturbance is greater than 5 acres, please check each box that applies for Best Management Practices (BMPs) used for controlling dust on project's disturbed areas:
 - ☒ Water trucks
 - ☐ Graveling/paving of roadway storage areas and staging areas
 - ☐ Dust palliatives
 - ☒ Posting and limiting vehicle speeds to 10-15 miles per hour
 - ☒ Ceasing operations during high wind events
 - ☒ Fencing or berming to prevent unauthorized access to disturbed areas
 - ☒ Application of water sprays on material storage piles on a regular basis
 - ☐ Covering material storage piles with tarpaulin or geo-textiles; tenting
 - ☐ Use of overhead water spray racks or water hoses
 - ☒ Track-out controls (graveled entranced, exit area, and street sweeping)
 - ☒ Landscape preservation and impact avoidance
 - ☐ Wind fence
 - ☒ Pre-watering of areas to be disturbed (including all unpaved onsite roads and staging areas)
 - ☒ Inform all subcontractors (including truck drivers) of their responsibilities for the control of fugitive dust while they are on the project site
 - ☐ Training of equipment operators to recognize fugitive dust generation and having the authority to shut down operations until water truck arrives and sprays water on the disturbed areas
 - ☐ Other Applicable BMPs: N/A
 - ☐ Other Applicable BMPs: N/A
 - ☒ If using water trucks, list how many water trucks are used and their capacity in gallons:
One 4,000 Gallon Water Truck

PLANT BOUNDARY COORDINATES FORM if applicable

Corner Number	UTM Easting	UTM Northing
1	280564	4380599
2	280629	4380564
3	280693	4380573
4	280804	4380577
5	280881	4380585
6	280882	4379934
7	280130	4379984
8	280180	4380184
9	280662	4380170
10	280523	4380501

PLANT AREA BOUNDARY COORDINATES FORM if applicable

Corner Number	UTM Easting	UTM Northing
1	280564	4380599
2	280629	4380564
3	280693	4380573
4	280804	4380577
5	280881	4380585
6	280882	4379934
7	280130	4379984
8	280180	4380184
9	280662	4380170
10	280523	4380501



UES™

NARRATIVE DESCRIPTION

**Joy Engineering
Mustang Quarry
McCarran, NV**

**New Class II Air Quality
Operating Permit
Application**

Prepared for:
Joy Engineering

Prepared By:
UES
6995 Sierra Center Parkway
Reno, NV 89511

September 2, 2026
Project No. A25173.00343.000



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FIGURES

Figure 1	Project Location Map
Figure 2	Site Map
Figure 2A	Facility Layout
Figure 2B	Facility Layout (with EU IDs)
Figure 3	Process Flow Diagram

1. INTRODUCTION

Joy Engineering (Joy) is submitting this application for a Class II Air Quality Operating Permit (AQOP) for Mustang Quarry located at 475 Wild Horse Canyon in Storey County, Nevada, as indicated on Figure 1. Joy currently has a crushing and screening plant permitted under a Class II General Air Quality Operating Permit (AQOP) for Temporary Construction Sources (Permit No. AP1442-2259.05; A0769) Change of Location Approval (COLA #3198). The COLA is set to expire on 06/08/2027 and Joy would like to permit the facility as a stationary source under a New Class II Operating Permit.

Joy Engineering is submitting this Nevada Division of Environmental Protection – Bureau of Air Pollution Control (NDEP-BAPC) Class II Air Quality Operating Permit Application to permit the crushing and screening equipment at the facility in accordance with NAC 445B.3453.

The information provided in this permit application includes all aspects of the Juniper Ridge facility design and operation that were known at the time the application was submitted.

2. FACILITY LAYOUT

The site location and project boundary are indicated in Figure 1, and the facility layout is indicated in Figure 2. It is being requested that the equipment be able to operate anywhere within the portable boundary shown in Figure 2. The process flow diagrams for all systems of the crushing and screening operations are provided as Figure 3.

3. FACILITY OPERATIONS

The crushing and screening operation will involve loading onsite material into different equipment to be crushed, screened, and discharged to stockpiles. The configuration shown in Figure 3 represents the anticipated operational conditions; however, equipment may be rearranged depending on project needs. Please note, the permitted configuration represents the maximum number of transfers needed for the project and may be overconservative compared to actual operations.

All equipment is being requested to operate at a throughput of 300 tons per hour. No more than 2,628,000 tons of material is anticipated to be processed annually. All equipment will operate for a maximum of 24 hours per day. Wet dust suppression (water sprays) will be utilized on all transfers for particulate matter control.

The equipment associated with the screening and crushing equipment is subject to 40 CFR Part 60, Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants.

3.1 SYSTEM 1 – CRUSHING AND SCREENING OPERATION

The primary crushing and screening operation will involve loading onsite material into different equipment to be crushed, screened, and discharged to stockpiles. System 1 includes one screen and two stacker conveyors. For a detailed process flow diagram showing the specific equipment configuration, please see Figure 3.



3.2 SYSTEM 2 – JAW CRUSHING

Jaw Crushing will involve loading onsite material into different equipment to be crushed, screened, and discharged to stockpiles. System 2 includes one jaw crusher and one stacker conveyor. For a detailed process flow diagram showing the specific equipment configuration, please see Figure 3.

3.3 SYSTEM 3 – CONE CRUSHING

Cone Crushing will involve loading onsite material into different equipment to be crushed, screened, and discharged to stockpiles. System 3 includes one cone crusher. For a detailed process flow diagram showing the specific equipment configuration, please see Figure 3.

3.4 SYSTEM 4 – SCREEN 2

Screen 2 will involve loading onsite material into different equipment to be crushed, screened, and discharged to stockpiles. System 4 includes one screen and two stacker conveyors. For a detailed process flow diagram showing the specific equipment configuration, please see Figure 3.

3.5 SYSTEM 5 – SCREEN 3

Screen 3 will involve loading onsite material into different equipment to be crushed, screened, and discharged to stockpiles. System 4 includes one screen and one stacker conveyor. For a detailed process flow diagram showing the specific equipment configuration, please see Figure 3.

3.6 SYSTEM 6 – DIESEL ENGINES

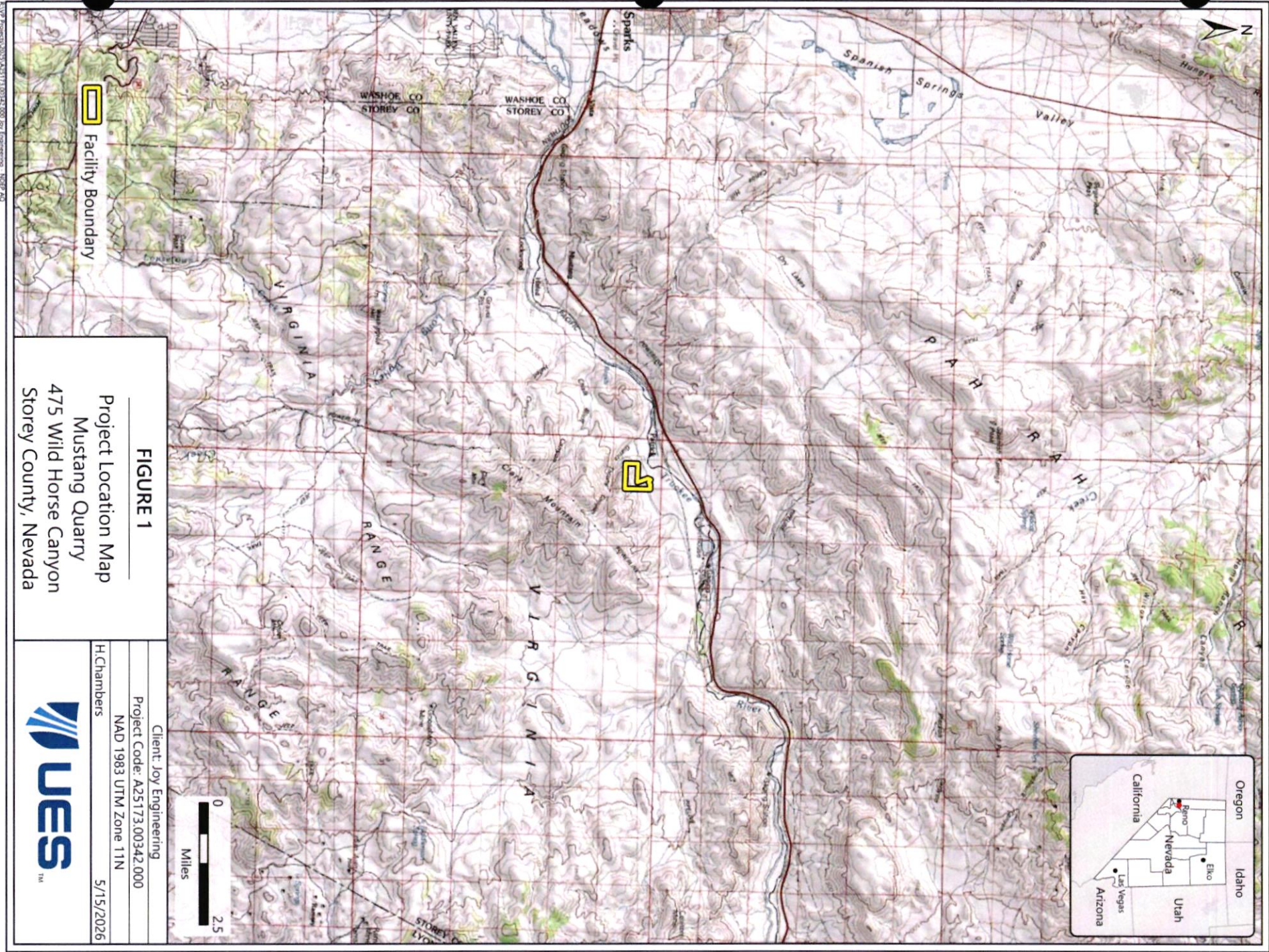
System 6 involves one 60 HP diesel engine (MULTIQUIP DCA45, Serial No. 7250867) to power the water spray control equipment and one 31 HP diesel engine (MULTIQUIP DCA25, Serial No. 7157434) to power the regular operations at the office scale house. These generators are to be permitted for 24 hours per day and 8,760 hours per year. These generators will be subject to 40 CFR Part 60 Subpart IIII and 40 CFR Part 60 Subpart ZZZZ. Compliance with 40 CFR Part 60 Subpart ZZZZ will be demonstrated entirely through compliance with 40 CFR Part 60 Subpart IIII. Fuel consumption will be monitored by recording the hours of operation of the generators. The hours of operation will be multiplied by the maximum fuel consumption rates supplied by the manufacturer.

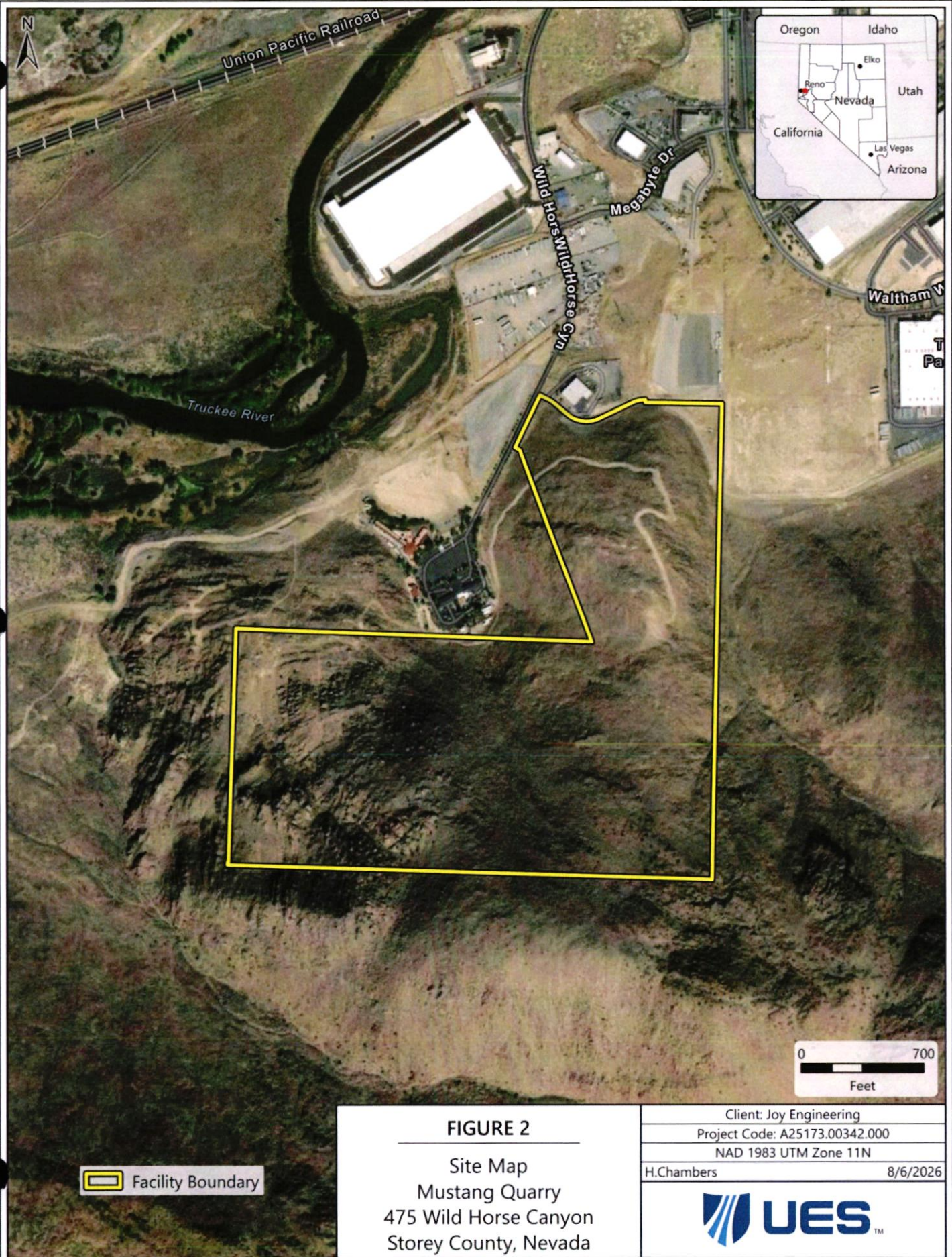
4. FACILITY SURFACE AREA DISTURBANCE

A Stand-Alone Surface Area Disturbance (SAD) Permit (AP1442-5065, FIN A2723) was issued January 29, 2026 for Mustang Quarry dba Wild Horse Canyon Quarry. The current SAD permit may be withdrawn upon issuance of the Class II AQOP this application seeks to establish. Please see the surface area disturbance form included herein.



FIGURES





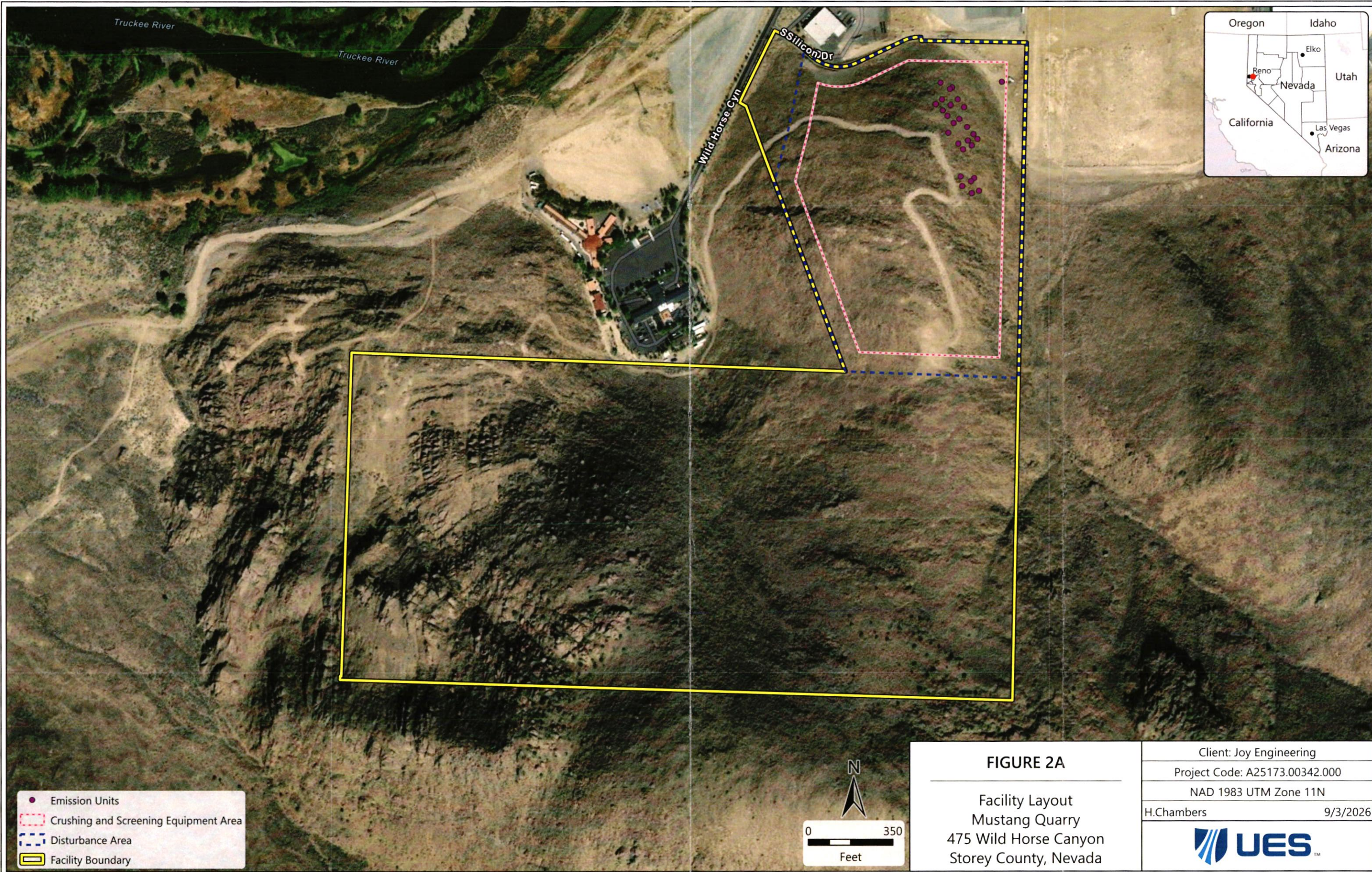


FIGURE 2A

Facility Layout
Mustang Quarry
475 Wild Horse Canyon
Storey County, Nevada

Client: Joy Engineering

Project Code: A25173.00342.000

NAD 1983 UTM Zone 11N

H.Chambers

9/3/2026



Figure ID	Unit Description	UTM Coordinates	
		Easting (m)	Northing (m)
1	Material to Screen 1 Hopper via Loader	280794.00	4380536.00
2	Screen 1 and Associated Transfers (IN: Screen1 Hopper; OUT: Screen 1 Discharge Conveyor 1, Screen 1 Discharge Conveyor 2, and Screen 1 Discharge Conveyor 3)	280791.00	4380534.00
3	Screen 1 Discharge Conveyor to Stacker Belt 1 or Stockpile	280801.00	4380521.00
4	Stacker Belt 1 to Stockpile	280809.00	4380511.00
5	Screen 1 Discharge Conveyor 2 to Stacker Belt 2 or Stockpile	280781.00	4380521.00
6	Stacker Belt 2 to Jaw Crusher Hopper or Stockpile	280792.00	4380514.00
7	Screen 1 Discharge Conveyor 3 to Jaw Crusher Hopper	280779.00	4380542.00
8	Material to Jaw Crusher Hopper via Loader	280773.00	4380515.00
9	Jaw Crusher and Associated Transfers (IN: Jaw Crusher Hopper; OUT: Jaw Crusher Discharge Conveyor 1 and Jaw Crusher Discharge Conveyor 2)	280782.00	4380507.00
10	Jaw Crusher Discharge Conveyor 1 to Stockpile	280788.00	4380500.00
11	Jaw Crusher Discharge Conveyor 2 to Cone Crusher Hopper or Stacker Belt 2	280796.00	4380491.00
12	Cone Crusher and Associated Transfers (IN: Cone Crusher Hopper; OUT: Cone Crusher Discharge Conveyor)	280803.00	4380496.00
13	Cone Crusher Discharge Conveyor to Screen 2 Hopper	280813.00	4380486.00
14	Screen 2 and Associated Transfers (IN: Screen 2 Hopper; OUT: Screen 2 Discharge Conveyor 1, Screen 2 Discharge Conveyor 2, and Screen 2 Discharge Conveyor 3)	280814.00	4380469.00
15	Screen 2 Discharge Conveyor 1 to Stockpile	280821.00	4380477.00
16	Screen 2 Discharge Conveyor 2 to Stacker Belt 3 or Stockpile	280826.00	4380471.00
17	Stacker Belt 3 to Cone Crusher Hopper or Stockpile	280819.00	4380463.00
18	Screen 2 Discharge Conveyor 3 to Stacker Belt 4 or Stockpile	280802.00	4380465.00
19	Stacker Belt 4 to Stockpile	280808.00	4380458.00
20	Material to Screen 3 Hopper	280822.00	4380422.00
21	Screen 3 (IN: Screen 3 Hopper; OUT: Screen 3 Discharge Conveyor 1, Screen 3 Discharge Conveyor 2, Screen 3 Discharge Conveyor 3)	280818.00	4380418.00
22	Screen 3 Discharge Conveyor 1 to Stockpile	280828.00	4380406.00
23	Screen 3 Discharge Conveyor 2 to Stacker Belt 5 or Stockpile	280807.00	4380412.00
24	Stacker Belt 5 to Stockpile	280819.00	4380403.00
25	Screen 3 Discharge Conveyor 3 to Stockpile	280805.00	4380424.00
26	Water Sprays Generator (MULTIQUIP DCA45, Serial No. 7250867, 60 hp)	280789.21	4380478.76
27	Office Scale House Generator (MULTIQUIP DCA25, Serial No. 7157434, 31 hp)	280856.56	4380543.08

Emission Units

Crushing and Screening Equipment Area

Disturbance Area

Facility Boundary

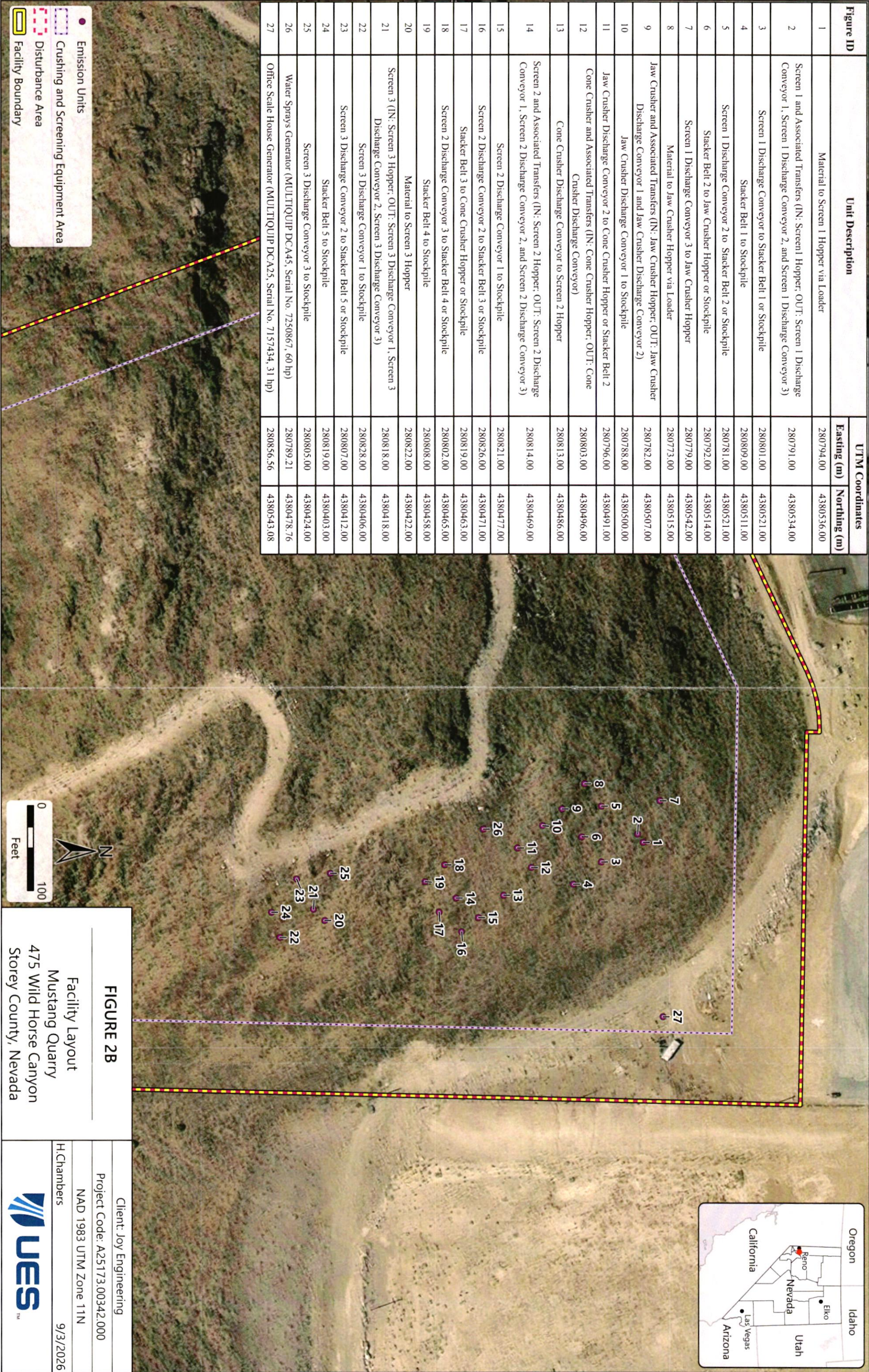


FIGURE 2B

Facility Layout
Mustang Quarry
475 Wild Horse Canyon
Storey County, Nevada

Client: Joy Engineering

Project Code: A25173.00342.000

NAD 1983 UTM Zone 11N

H.Chambers

9/3/2026

UES™



FIGURE 3

TITLE:
**Process Flow Diagram
-SHOWING-
Temporary Crushing &
Screening Operations
Storey County, NV**

JOB NO.:
Joy Engineering

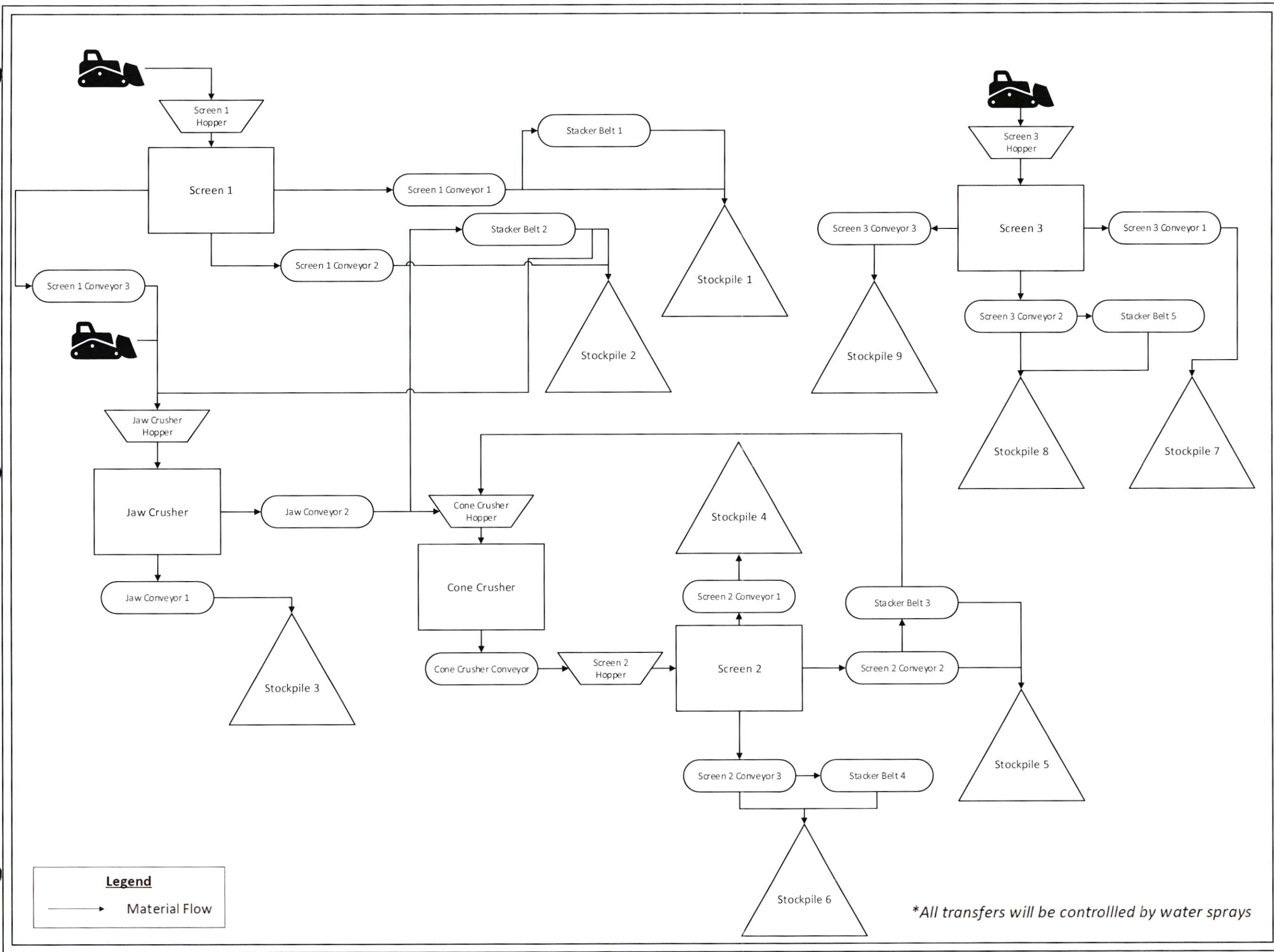
DATE:
5/13/2026

FILE:
Fig 3 - Process Flow

COORDINATE SYSTEM:
N/A

REF	
DESIGNED	JC
DRAWN	JC
CHECKED	AF
APPROVED	AF

REVISION:
01



APPLICATION CERTIFICATION DOCUMENT

(With Required Attachments)

Please check all applicable boxes below to indicate the information provided in your application submittal:

- ☒ General Company Information Form
- ☒ Industrial Process Application Form(s)
- ☒ Combustion Equipment Application Form(s)
- ☐ Storage Silos Application Form(s) – *Not Applicable*
- ☐ Liquid Storage Tank Application Form(s) – *Not Applicable*
- ☐ Manufacturer's Guarantee – *Not Applicable*
- ☒ Facility-Wide Potential to Emit Table
- ☒ Surface Area Disturbance Form
- ☒ Plant Boundary Coordinates Form *if applicable*
- ☐ Plant Building Parameters Form *if applicable* – *Not Applicable*
- ☒ Detailed Emission Calculations (for all emission units including IA units)
- ☐ Source Testing Data (if referenced in calculations) – *Not Applicable*
- ☒ Process Narrative
- ☒ Process Flow Diagram(s)
- ☒ Site Plan(s) showing the locations (UTM coordinates), dimensions, and heights of buildings on the site
- ☒ Maps:
 - ☒ Vicinity Map of where the facility is located in the State
 - ☒ Area Map of the Facility (including location of all emission units, building locations (with UTMs), location of front gate, and fence line/site boundary (with UTMs))
- ☐ Environmental Evaluation (AERMOD Air Dispersion Modeling) *if applicable*
[NAC 445B.310] – *Not Applicable*
- ☐ Manufacturer's Guarantee *if applicable* – *Not Applicable*
- ☒ Equipment Specifications *if applicable*
- ☐ TANKs Modeling Output *if applicable* – *Not Applicable*
- ☒ Application Fee Attached or Electronically Submitted
- ☒ Digital Copy of Application on CD or Thumb Drive
- ☒ Application Certification Document with Original Responsible Official Signature

APPLICATION CERTIFICATION DOCUMENT (CONTINUED)
(With Required Attachments)

PLEASE NOTE THE FOLLOWING REQUIREMENTS WHICH APPLY TO PERMIT APPLICANTS DURING THE APPLICATION PROCESS:

- A. A permit applicant must submit supplementary facts or corrected information upon discovery [NAC 445B.297(1)(b)].
- B. A permit applicant is required to provide any additional information which the Director requests in writing within the time specified in the Director's request [NAC 445B.297(1)(c)].
- C. Submission of fraudulent data or other information may result in prosecution for an alleged criminal offense [NRS 445B.470].

CERTIFICATION:

I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete.

Signature of Responsible Official

Richard Joy, President

Print or Type Name and Title

Date

9/1/26