

Katie Hobbs
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Karen Peters
Cabinet Executive Officer
Executive Deputy Director

Air Quality Field Inspection Report

Company Name: Minerals Research, Inc. RP: 37790	Inspection Report No.: 451050
Place Name: Cottonwood Slag Crushing-Recycling Place ID No.: 137664 (172594 portable place for air)	Inspector(s): Rob Verville
County: Yavapai	Arrival Date and Time: 7/17/2024 6:45 AM
Physical Location: 705 E Birch St., Cottonwood, AZ 86326	Reason for Inspection: <input type="checkbox"/> Complaint Complaint No.: <input type="checkbox"/> Full Inspection <input checked="" type="checkbox"/> Partial Inspection <input type="checkbox"/> Follow-Up Original Inspection Report No.:
Mailing Address: 4620 S Coach Dr., Tucson, AZ 85714	
Coordinates (for new locations): Latitude: Longitude:	
Permit No.: Pending Air Permit Application LTF: 100924 Permit Expiration Date:	Was Inspection Announced? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Onsite Contact Person(s)/Title(s)/Number(s): Carl Harris, Ops. Mgr. Chelsea Wagner, Operations Support	Oper us: Not Operating
	Type Copper Slag Processing-Recycling
Other Names for Site/Facility:	Last Inspection: 5/6/24, Insp ID: 446566
Inspection Report Issued: Via email at facility	Facility Initial: ADEQ Initial:
Results of Inspection: <input checked="" type="checkbox"/> No alleged deficiencies were noted during the course of the inspection. No ADEQ action will result from this inspection. <input type="checkbox"/> Alleged deficiencies were noted during the course of the inspection and all deficiencies were corrected by the close of business on the final day of inspection. No ADEQ action will result from this inspection. <input type="checkbox"/> Alleged deficiencies were noted during the course of the inspection. Additional correspondence regarding this inspection may be forthcoming. If applicable, ADEQ documents its initial determination that the alleged deficiencies are: <input type="checkbox"/> Committed intentionally. <input type="checkbox"/> Not correctable within a reasonable period of time as determined by the agency. <input type="checkbox"/> Evidence of a pattern of noncompliance as demonstrated by alleged deficiencies previously identified in an inspection report or other written notice at the same premises. <input type="checkbox"/> A significant risk to any person, the public health, safety or welfare or the environment. <input type="checkbox"/> No compliance determination was made during the inspection, information has been requested.	

Comments:

Minerals Research, Inc. (MRI) is operating under a pending air quality permit application.

The Arizona Department of Environmental Quality (ADEQ) determined that MRI's Cottonwood Plant located at 705 E Birch St., Cottonwood, AZ 86326 does not qualify for the Crushing and Screening General Permit because copper ore slag processed at this plant does not meet the definition of non-metallic minerals as specified in 40 CFR 60.671. Consequently, pursuant to A.A.C. R18-2-510(C), ADEQ is terminating MRI's Crushing and Screening General Permit (LTF #72319; ATO #122389) as of February 28, 2024.

MRI submitted a Class II Individual Air Quality Permit application to ADEQ on October 31, 2023, and ADEQ determined this application to be administratively complete on November 14, 2023. Accordingly, pursuant to A.A.C. R18-2-510(D), MRI is authorized to operate its Cottonwood Plant under its individual air quality permit application while that application is pending.

Current Operations

When the ADEQ inspector exited his vehicle he observed the baghouse fans and conveyors were not operating. At the main office, the door was locked. The ADEQ inspector waited in his vehicle until office staff arrived. In the office, the ADEQ inspector met Carl Harris, Operations; and Chelsea Wagner, Operations Support.

ADEQ Air Quality was represented by Rob Verville, Air Quality Inspector. The ADEQ inspector held an in-briefing with Ms. Wagner and Mr. Harris. The Notice of Inspection Rights was presented to and signed by Mr. Harris.

Mr. Harris stated the plant is not operating because the operator was running late and the plant would operate after the operator arrives. Mr. Harris stated, the plant bag fill operations were not operating, either.

Ms. Harris provided documentation of the daily tonnage processed daily for July 2024, the single largest production day was July 9, 2024, producing 200.6 tons. The daily limit is 240 tons.

Mr. Harris provided the water truck log.

Ms. Wagner provided documentation of five operators being Method 9 field certified on April 23, 2024, through Singleton Smoke School.

Ms. Wagner provided visible emissions (VE) monitoring records. Each operator is evaluating VE, inspecting ducts and control systems, and monitoring pressure drop, start and stop times, and other findings.

Mr. Harris provided July 2024 Daily Inspection/Maintenance records. The records indicate pressure differential readings, duct inspections, bin vents, water, and other findings.

Mr. Harris provided baghouse filter fluorescent dye testing reports. The dye testing was conducted on:
Baghouse 484 - 6/26/2024, 3 bags replaced.
Baghouse 356 - 6/26/2024, 4 bags replaced.

The site had wetting all around the property where vehicle traffic is expected.

Superstition Crushing

Superstition Crushing completed the primary crushing project on 5/20/24.

During the physical plant inspection, the processing plant was not operating. The plant did not start operating prior to the ADEQ inspector leaving the site. Operator were observed removing material under the cone crusher.

Exit Debrief: No issues observed

Attachments: Notice of Inspection Rights, Photograph Log



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY NOTICE OF INSPECTION RIGHTS

FACILITY INFORMATION	ADEQ INFORMATION
Facility Name (Customer): Cottonwood Slag Crushing-Recycling	Date of Inspection: 7/17/2024 6:45 AM
Facility Location (Place): 705 E Birch St., Cottonwood, AZ 86326	County: Yavapai
Mailing Address: 4620 S Coach Dr., Tucson, AZ 85714	Inspector: Rob Verville
	Telephone: (602) 320-1814
Responsible Party: Minerals Research, Inc. RP: 37790	Accompanied by:
On-Site Representative: Stephan Gosselin, Carl Harris, Chelsea Wagner	ADEQ Follow-up Contact: Rob Verville
Title: Plant Manager & Operations	
Telephone:	Telephone:
Email:	Email: rgv@azdeq.gov

The ADEQ representative(s) identified above were present at the above address on the above listed date and time. Upon entry to the premises, the ADEQ representative(s) met with me, presented photo identification indicating that they are ADEQ employees and explained:

That the purpose of the inspection is to determine:

Compliance with Title 49 of the Arizona Revised Statutes, Title 18 of the Arizona Administrative Code* and/or:

Arizona Revised Statutes: Title 49, Chapter 3
 Arizona Administrative Code: Title 18, Chapter 2
 Permit/Agreement Number: Pending Air Permit Application LTF: 100924

Qualification for a license issued pursuant to:

Arizona Revised Statutes: Title 49, Chapter 3
 Arizona Administrative Code: Title 18, Chapter 2

That this inspection is conducted pursuant to the authority granted in Arizona Revised Statutes § 49-104(B)(8) and/or:

Arizona Revised Statutes: § 41-1009
 Arizona Administrative Code: Title 18, Chapter 2
 Permit/Agreement Number: Pending Air Permit Application LTF: 100924

That the state shall not be barred by the statutes of limitation according to A.R.S. § 12-510, except as provided in A.R.S. § 12-529 concerning certain claims based on navigability of watercourse within 5 years after the date the claim first accrued. o 28 U.S.C. § 2462, the U.S. government must commence an action


Possible applicability of Small Business Bill of Rights pursuant to Arizona Revised Statutes § 41-1001(21)

That the fee for this inspection is: No fee for the inspection

*The Arizona Revised Statutes (A.R.S.) can be found on the internet: www.azleg.state.az.us/ArizonaRevisedStatutes.asp while the Arizona Administrative Code (A.A.C.) can be found at www.azsosaz.gov/public_services/Table_of_Contents.htm

While I have the right to refuse to sign this form, the ADEQ representatives may still proceed with the inspection

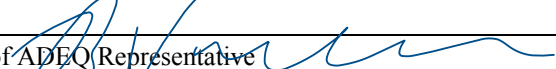
I have read this notice and discussed any questions or concerns with the ADEQ representatives and I have received the Small Business Bill of Rights


 Signature of Regulated Person or Authorized On-Site Representative 7/17/2024

The regulated person or authorized on-site representative refused to sign.

 Name of Regulated Person or Authorized On-Site Representative Title

The regulated person or an authorized on-site representative was not present at the facility.

Inspected by 
 Signature of ADEQ Representative 7/17/2024

INSPECTION RIGHTS

- I understand that I can accompany the ADEQ representative(s) on the premises, except during confidential interviews.
- I understand that I have right to, on request:
 - Copies of any original documents taken during the inspection, and that ADEQ will provide copies of those documents at ADEQ's expense;
 - A split of any samples taken during the inspection, if the split of the samples would not prohibit an analysis from being conducted or render an analysis inconclusive;
 - Copies of any analysis performed on samples taken during the inspection and that ADEQ would provide copies of this analysis at ADEQ's expense;
 - Copies of any documents to be relied on to determine compliance with licensure or regulatory requirements if the agency is otherwise permitted by law to do so.
- I also understand that:
 - Each person who is interviewed by an ADEQ inspector during the inspection must be informed that:
 - participation in an interview is voluntary, unless legally compelled to participate;
 - they have the right to have an attorney or other experts in their field present during the interview to represent or advise the regulated person;
 - the ADEQ inspector may not take any adverse action or treat less favorably or draw any inference as a result of the regulated person's decision to be represented by an attorney or advised by any other experts in their field;
 - statements made by the person may be included in the inspection report; and
 - they have the right to 24 hours to review and revise any written witness statement drafted by the ADEQ inspector on which the ADEQ inspector requests that person's signature.
 - If the information and documents provided to the ADEQ inspector become a public record, trade secrets and proprietary and confidential information may be redacted, unless the information and documents are not confidential pursuant to statute.
 - Each person interviewed during the inspection must be informed that statements made by the person may be included in the inspection report;
 - Each person whose conversation is tape recorded during the inspection must be informed that the conversation is being tape recorded;
 - If an administrative order is issued or a permit decision is made based on the results of the inspection, I have the right to appeal that administrative order or permit decision. I understand that my administrative hearing rights are set forth in Arizona Revised Statutes § 41-1092 et seq. and my rights relating to an appeal of a final agency decision are found in Arizona Revised Statutes § 12-901 et seq;
 - If I have any questions or concerns about this inspection, I may contact the person listed as the ADEQ Follow-up Contact on the front of this form; ADEQ's Ombudsman at (602) 771-4322 (toll free inside Arizona at (800) 2345677, extension, 771-4322); or the Arizona Ombudsman-Citizens' Aid office at (602) 277-7292 (toll free at (800) 872-2879);
 - If I have any questions concerning my rights to appeal an administrative order or permit decision, I may contact Edwin Slade, ADEQ's Office of Administrative Counsel at (602) 771-2212 (toll free inside Arizona at (800) 234-5677, extension 771-2212).

41-1001.01. Regulatory bill of rights; small businesses

A. To ensure fair and open regulation by state agencies, a person:

1. Is eligible for reimbursement of fees and other expenses if the person prevails by adjudication on the merits against an agency in a court proceeding regarding an agency decision as provided in section 12-348.
 2. Is eligible for reimbursement of the person's costs and fees if the person prevails against any agency in an administrative hearing as provided in section 41-1007.
 3. Is entitled to have an agency not charge the person a fee unless the fee for the specific activity is expressly authorized as provided in section 41-1008.
 4. Is entitled to receive the information and notice regarding inspections and audits prescribed in section 41-1009.
 5. May review the full text or summary of all rulemaking activity, the summary of substantive policy statements and the full text of executive orders in the register as provided in article 2 of this chapter.
 6. May participate in the rulemaking process as provided in articles 3, 4, 4.1 and 5 of this chapter, including:
 - (a) Providing written comments or testimony on proposed rules to an agency as provided in section 41-1023 and having the agency adequately address those comments as provided in section 41-1052, subsection D, including comments or testimony concerning the information contained in the economic, small business and consumer impact statement.
 - (b) Filing an early review petition with the governor's regulatory review council as provided in article 5 of this chapter.
 - (c) Providing written comments or testimony on rules to the governor's regulatory review council during the mandatory sixty-day comment period as provided in article 5 of this chapter.
 7. Is entitled to have an agency not base a licensing decision in whole or in part on licensing conditions or requirements that are not specifically authorized by statute, rule or state tribal gaming compact as provided in section 41-1030, subsection B.
 8. Is entitled to have an agency not make a rule under a specific grant of rulemaking authority that exceeds the subject matter areas listed in the specific statute or not make a rule under a general grant of rulemaking authority to supplement a more specific grant of rulemaking authority as provided in section 41-1030, subsection C.
 9. May allege that an existing agency practice or substantive policy statement constitutes a rule and have that agency practice or substantive policy statement declared void because the practice or substantive policy statement constitutes a rule as provided in section 41-1033.
 10. May file a complaint with the administrative rules oversight committee concerning:
 - (a) A rule's, practice's or substantive policy statement's lack of conformity with statute or legislative intent as provided in section 41-1047.
 - (b) An existing statute, rule, practice alleged to constitute a rule or substantive policy statement that is alleged to be duplicative or onerous as provided in section 41-1048.
 11. May have the person's administrative hearing on contested cases and appealable agency actions heard by an independent administrative law judge as provided in articles 6 and 10 of this chapter.
 12. May have administrative hearings governed by uniform administrative appeal procedures as provided in articles 6 and 10 of this chapter and may appeal a final administrative decision by filing a notice of appeal pursuant to title 12, chapter 7, article 6.
 13. May have an agency approve or deny the person's license application within a predetermined period of time as provided in article 7.1 of this chapter.
 14. Is entitled to receive written notice from an agency on de
(a) That justifies the denial with references to the statutes or
(b) That explains the applicant's right to appeal the denial as
15. Is entitled to receive information regarding the license ap
application:
the denial is based as provided in section 41-1076.
tion 41-1076.
ss before or at the time the person obtains an application for a license
 16. May receive public notice and participate in the adoption or amendment of agreements to delegate agency functions, powers or duties to political subdivisions as provided in section 41-1026.01 and article 8 of this chapter.
 17. May inspect all rules and substantive policy statements of an agency, including a directory of documents, in the office of the agency director as provided in section 41-1091.
 18. May file a complaint with the office of the ombudsman-citizens aide to investigate administrative acts of agencies as provided in chapter 8, article 5 of this title.
 19. Unless specifically authorized by statute, may expect state agencies to avoid duplication of other laws that do not enhance regulatory clarity and to avoid dual permitting to the extent practicable as prescribed in section 41-1002.
 20. May have the person's administrative hearing on contested cases pursuant to title 23, chapter 2 or 4 heard by an independent administrative law judge as prescribed by title 23, chapter 2 or 4.
- B. The enumeration of the rights listed in subsection A of this section does not grant any additional rights that are not prescribed in the sections referenced in subsection A of this section.
- C. Each state agency that conducts audits, inspections or other regulatory enforcement actions pursuant to section 41-1009 shall create and clearly post on the agency's website a small business bill of rights. The agency shall create the small business bill of rights by selecting the applicable rights prescribed in this section and section 41-1009 and any other agency-specific statutes and rules. At the request of an authorized on-site representative of the regulated small business, the agency shall provide a written document of the small business bill of rights. In addition to the rights listed in this section and section 41-1009, the agency notice of the small business bill of rights shall include the process by which a small business may file a complaint with the agency employees who are designated to assist members of the public or regulated community pursuant to section 41-1006. The notice must provide the contact information of the agency's designated employees. The agency notice must also state that if the regulated person has already made a reasonable effort with the agency to resolve the problem and still has not been successful, the regulated person may contact the office of ombudsman-citizens aide.

Air Quality Field Inspection Photograph Log

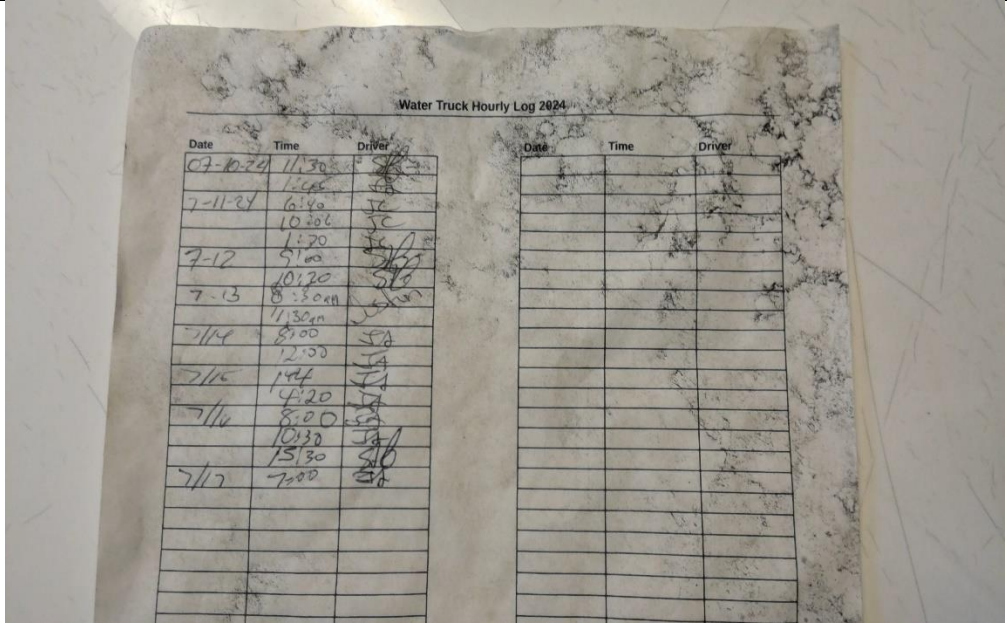
Site Location: Cottonwood Slag Crushing-Recycling - 705 E Birch St., Cottonwood, AZ 86326		Photographer: Rob Verville	Camera: HP Elite x2
Weather: clear			
Photo No. 1	Date: 7/17/2024		
Direction Photo Taken: Down			
Photo Description: July water truck log.			

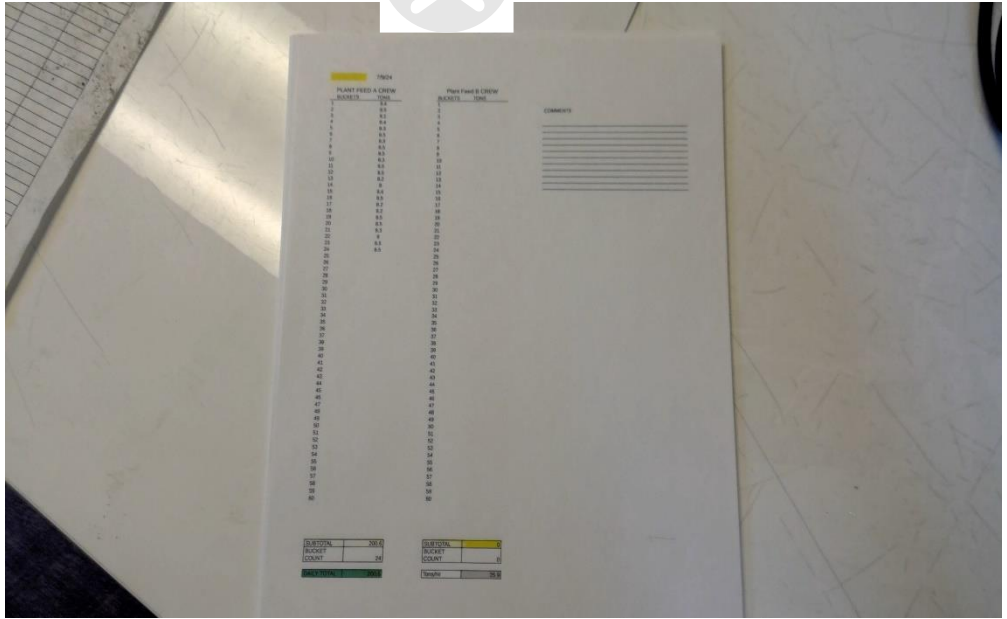
Photo No. 2	Date: 7/17/2024		
Direction Photo Taken: Down			
Photo Description: July 9, 2024, single largest production day in July 2024, so far.			

Photo No.
3

Date:
7/17/2024

Direction Photo Taken:
Down

Photo Description:
Daily Inspection / Maintenance Report.

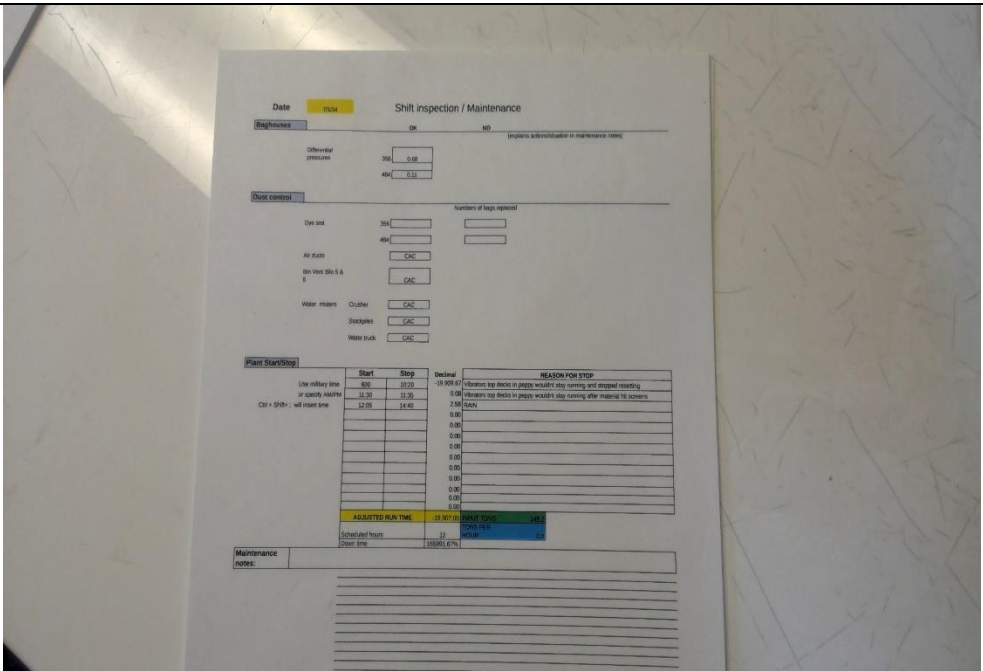


Photo No.
4

Date:
7/17/2024

Direction Photo Taken:
Down

Photo Description:
The June 26, 2024, Daily Inspection/Maintenance report indicates baghouse dye testing and bag replacement.

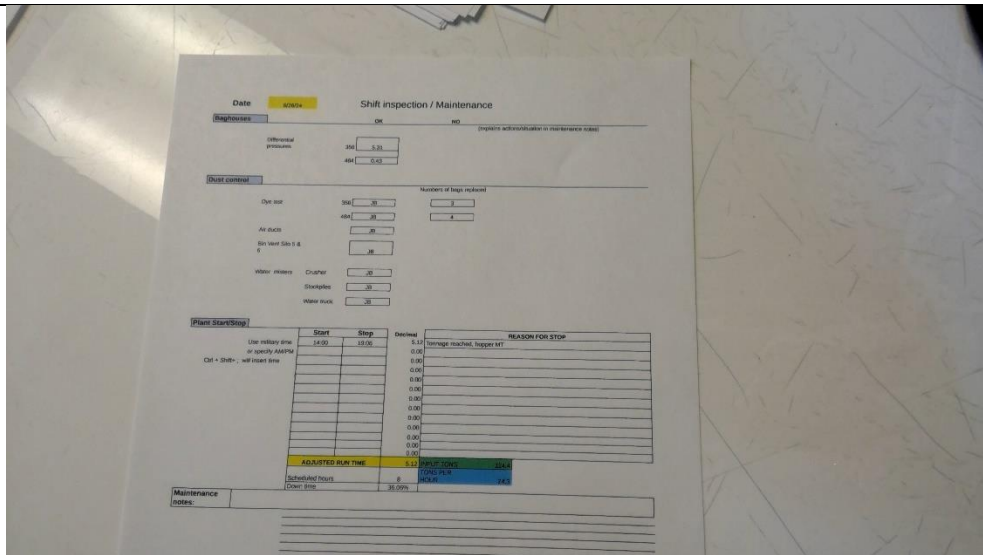


Photo No. 5	Date: 7/17/2024
Direction Photo Taken: East	
Photo Description: Outdoor bagging operations. No activity occurring.	



Photo No. 6	Date: 7/17/2024
Direction Photo Taken: West	
Photo Description: Secondary crushing system cone crusher. Plant was not operating. Operator removing material under crusher on far side.	



Photo No. 7	Date: 7/17/2024
Direction Photo Taken: Northwest	
Photo Description: Processing plant from eastside. Plant not operating.	



Photo No. 8	Date: 7/17/2024
Direction Photo Taken: South	
Photo Description: Wetted haul road on east side of plant. Truck and trailer driving and no visible emission created.	



Photo No. 9	Date: 7/17/2024
Direction Photo Taken: East	
Photo Description: Wetted haul road and truck scale on north side of plant.	



Photo No. 10	Date: 7/17/2024
Direction Photo Taken: Southwest	
Photo Description: Wetted haul road from entrance gate (background) to employee parking lot and north side of plant.	

