




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Parsons Mine	MINE/PROSPECTING ID#: M-2009-082	MINERAL: Sand, gravel and borrow material for construction	COUNTY: Weld
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: November 1, 2023	INSP. TIME: 09:30
OPERATOR: Martin Marietta Materials, Inc.	OPERATOR REPRESENTATIVE: Julie Mikulas	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete	BOND AMOUNT: \$4,168,714.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Hunter Ridley	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 21, 2023	

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM/POSSIBLE VIOLATION: Problem: The current mine plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The operator must provide sufficient information to describe or identify how the operator intends to conduct the operation.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/20/2024

INSPECTION TOPIC: Revegetation

PROBLEM/POSSIBLE VIOLATION: Problem: There are state-listed noxious weeds present on site. This is a problem for failure to employ weed control methods for state listed noxious weed species within the permitted area, and to reduce the spread of weeds to nearby areas as required by Section 3.1.10 (6) of the rule.

CORRECTIVE ACTIONS: Implement approved weed control plan and provide proof to the Division that this has been done in accordance with the Noxious Weed Control Plan approved with the original permit application in 2009, by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/20/2024

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>PB</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Parsons Mine, Permit No. M-2009-082, was inspected by Hunter Ridley with the Division of Reclamation, Mining and Safety (Division) as part of the Division's monitoring inspection program. Julie Mikulas with Martin Marietta Materials, Inc. was present for the inspection. The Parsons Mine site is located approximately 10 miles northwest of Greeley, CO and is accessed via CR 64 1/2. The site is a 112c operation permitted for 381.0 acres with a post-mining land use of wildlife habitat and developed water resources.

In 2018, a Technical Revision (TR-1) was approved by the Division which removed the previously in place permit stipulation which required an annual update of site costs. In place, Martin Marietta submitted a new financial warranty which complies with the long-term groundwater augmentation requirement to install clay liners around all 10 lakes planned in final reclamation. This TR was approved on June 11, 2018, and a new financial warranty in the amount of \$4,168,714.00 was submitted to the Division. The bond amount has not been updated since this revision in 2018. In an effort to ensure the Financial Warranty adequately reflects the actual current cost of fulfilling the requirements of the approved reclamation plan, the Division will be updating the reclamation cost estimate. A copy of staff calculations will be sent under separate cover.

Boundary markers were observed as required by Rule 3.1.12. A mine identification sign was posted at the site entrance (Photo 1). The sign met all requirements of Rule 3.1.12 except section 3.1.12(1) which specifies a required sign size of 11 x 17. The Operator stated that when the current sign is damaged, the new replacement

sign will comply with this sizing rule. Various wildlife were spotted at the site during the inspection including deer, raptors, ducks, and a blue heron.

The site is currently approved for 296 acres of disturbance out of the 381 acres total. The 2023 Annual Report stated that approximately 240 acres are currently disturbed. This approximation is consistent with what is shown on the Annual Report Map and what was observed at the time of inspection. Activity at the site is following the approved mine plan. The mine office and processing facilities are in the southeastern corner of the site, labeled Lot B within Phase 1A. Several product stockpiles were in this area (Photo 2). Phase 1A is about 90% mined out, with overburden being stored around the perimeter. These slopes are covered in volunteer vegetation (Photos 4 and 5). Phase 1B is also partially mined, and a large pile of overburden is stored behind the section of unmined material (Photo 3). Water is recycled at the Parsons Mine site for use in the wash plant, so used water is pumped to silt ponds located in Phases 1B, 1C, and 4B where sediment is allowed to settle out before reuse. Further south, Phase 1C has been disturbed by mining activity and is currently being used as a sedimentation pond (Photo 6). Several mature Russian Olive trees, a Colorado List B noxious weed species, were noted to be in several areas around the site, particularly near Phase 1C and Phase 3 (Photo 7). **The Division is citing this as a problem for failure to implement the currently approved Noxious Weed Control Plan. Please provide proof to the Division that noxious weeds have been treated in line with the currently approved plan by the corrective action due date.**

Phase 4B is completely mined out; kochia and other annual weeds currently line the pond slopes (Photos 8 and 9, and 14). Currently, there is about 1 mile of conveyor built at the site. This extends from the processing area, across CR25, between Phases 1A, 1B, Phase 3, Phase 4A and 4B, and over the Cache la Poudre River to Phases 5A and 5B. The Operator stated their intention to move a portion of the conveyor to extend into the adjacent Windsor East Pit site, also permitted by Martin Marietta Materials, Inc (Photo 14). The conveyor will be approximately 3 miles long in total once complete. Phases 4A and 4C are currently being mined out (Photos 10 – 13). Overburden is piled on the pit floor and topsoil has been segregated and vegetated in a berm to the north of Phase 4C (Photo 14). Phases 5A and 5B are located in the far southwest corner of the permit (Photo 15). These two Phases are in the process of being mined out. There is a large overburden pile located next to these Phases (Photo 16).

Several oil and gas well pads have been removed from the site in recent years. Echoing the last inspection report, a Technical Revision will need to be submitted to update this change on the Mining Plan map. In an effort to ensure this update is made, **the Division is citing a problem. The current Mine Plan map needs to be updated to reflect this removal of oil and gas pads. Please submit new maps through a Technical Revision application by the corrective action due date.**

Phase 2 of the operation, located in the northwest corner of the site, is in final reclamation. The landowner has returned a section of this land back to an irrigated crop field (Photo 17) while the other half of the land serves as a recreational pond (Photo 18). The slopes have been put to final grade and the entire Phase is in the process of being reseeded. Once vegetation cover is better established, the Operator stated their intention to request formal release of this area.

Photographs taken during the inspection have been included below. Responses to this inspection report should be directed to: Hunter Ridley at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 720-868-7757 or via email at hunter.ridley@state.co.us.

PHOTOGRAPHS



Photo 1: Mine sign posted at the site entrance.

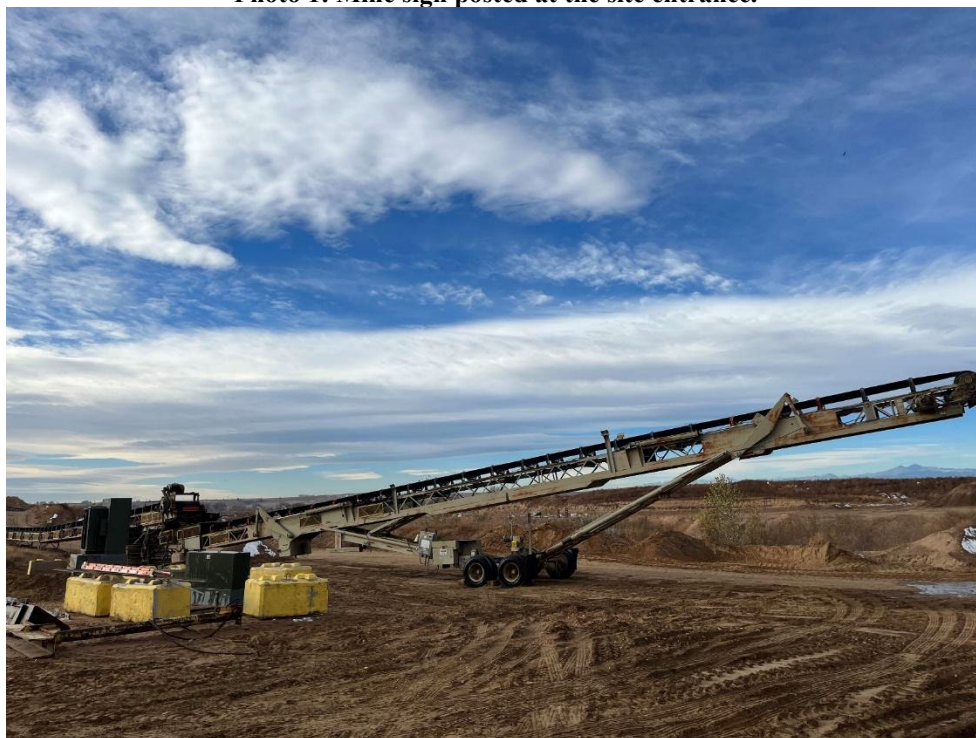


Photo 2: Processing equipment is stored onsite in Lot B of Phase 1A.



Photo 3: View south of existing area to be mined in Phase 1B, an overburden pile is located in the background.



Photo 4: View southwest of Phase 1A.



Photo 5: View west of Phase 1A.



Photo 6: View south of Phase 1C, currently used as a sedimentation pond.



Photo 7: View southwest of the edge of Phase 1C and Phase 3, Russian olive is present in these areas.



Photo 8: View northwest of Phase 4B.



Photo 9: View south of completed Phase 4B, the conveyor to Phases 5A and 5B is visible.



Photo 10: View north of Phase 4C, currently being mined.



Photo 11: View west of Phase 4C, currently being mined.



Photo 12: View northeast into Phase 4A.



Photo 13: View south in Phase 4C, overburden is stored on the pit floor.



Photo 14: A section of new conveyor line which will extend into the Windsor East Pit site, topsoil for Phase 4C is stored in the berm pictured.



Photo 15: View west over Phase 5A.



Photo 16: View southeast of the conveyor and overburden pile stored near Phases 5A and 5B.



Photo 17: Photo west of the reclaimed Phase 2 area.



Photo 18: View southwest of the reclaimed Phase 2 area.

Inspection Contact Address

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