




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

The Division of Reclamation, Mining and Safety 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: Riverbend Operation	MINE/PROSPECTING ID#: M-2000-016	MINERAL: Sand and gravel	COUNTY: Weld
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter Hays	INSP. DATE: June 22, 2022	INSP. TIME: 13:00
OPERATOR: Martin Marietta Materials, Inc.	OPERATOR REPRESENTATIVE: Julie Mikulas	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Citizen Complaint	BOND CALCULATION TYPE: None	BOND AMOUNT: \$3,530,500.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 28, 2022

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: Availability Of Records

PROBLEM: The monitoring wells located in the southern portion of the site including: NO03-MW03, RI01-MW01, RI01-MW02, RI01-MW03, RI01-MW06 and RI01-MW08 have been damaged during the operation of site.

CORRECTIVE ACTIONS: The Division will require the Operator to re-install the damaged monitoring wells and reinstitute monthly groundwater quantity monitoring in the wells by the corrective action date.

CORRECTIVE ACTION DUE DATE: 10/28/22

OBSERVATIONS

The Riverbend Operation site was inspected by Peter Hays and Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS) in response to an anonymous citizen complaint (CT1) received on May 11, 2022. The complaint was forwarded to the Operator on May 12, 2022. Ms. Julie Mikulas with Martin Marietta Materials, Inc. was present during the inspection.

The complaint stated due to the dewatering of the Rittenhouse Pit (Cell 1) and the Norden Pit (Cell 1 / Phase 2), Martin Marietta has lowered the water table enough to dry of the creek which has historically run through the complainant's property.

The complainant's property was inspected by the Division prior to the inspection of the Riverbend Operation. The complainant submitted a photograph of a dried up creek bed with the complaint. Water was observed to be flowing in the creek, south to north, as it crossed the complainant's property by the Division during the inspection. The complainant stated the Fort Lupton Ditch head gate located on their property, north of where the creek is located, was opened 3 or 4 days after the complaint was filed with the Division. The complaint stated water returned to the creek on their property approximately 2 days after the ditch was operational.

The site of the creek culverts photograph submitted with the complaint are located approximately 0.43 miles west of the northwest corner of Cell 1 and 0.58 miles to the north of the southern boundary of Cell 1 / Phase 2. The South Platte River is located between the culverts and the mining areas in question. Both of the mining cells were partially dewatered and estimated to be twenty-five (25) feet in depth during the inspection. Water from the mine dewatering activities are conveyed to the South Platte River. The Division does not believe the cone of depression from the dewatering of a 25 feet excavation would affect the water levels on the complainant's property due to the distance from the creek to the mining cells. Additionally, the South Platte River creates a hydrologic barrier between the complainant's property and Cell 1 and Cell 1 / Phase 2, respectively.

The Division researched the origins of the creek that crosses the complainant's property using the Division of Water Resources (DWR) GIS online map viewer. During that research the Division found the source of water in the complainant's creek is from a DWR named structure the Slough Ditch 1 (0200928), see attached. The structure has a District Court, Water Division No. 1, decreed water right, case no. 2004CW310, that belongs to the City and County of Broomfield. It appears the City and County of Broomfield control the flows through the structure and thus the flows across the complainant's property.

The complainant requested a timeline for the currently excavated pits on the Riverbend Operation site during the inspection. The Operator stated Cell 1 would be clay lined starting in 2022 and Cell 1 / Phase 2 would be clay lined in late 2023.

The Division considers the complaint investigation complete and determined the mine pit dewatering was not the cause of the creek going dry. The Division will not require any mitigation measures based on the complaint. No additional actions will be taken by the Division based on the complaint.

Photographs taken during the inspection are attached. If you need additional information or have any questions, please contact me at the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at peter.hays@state.co.us.

PHOTOGRAPHS



View of the complainant's creek looking south from the culverts



View of the complainant's creek looking north from the culverts



View of the southern portion of Cell 1 looking north



View of Cell 1 / Phase 2 from WCR 8 looking south

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- PB	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</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>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</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

Inspection Contact Address

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