




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: Windsor East Mine	MINE/PROSPECTING ID#: M-2022-042	MINERAL: Sand and gravel	COUNTY: Weld
INSPECTION TYPE: Pre-Operation Inspection	WEATHER: Clear	INSP. DATE: November 28, 2022	INSP. TIME: 10:00
OPERATOR: Martin Marietta Materials, Inc.	OPERATOR REPRESENTATIVE: Julie Mikulas	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Pre-Operation Inspection	BOND CALCULATION TYPE:	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Peter Hays Amber Michels	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: February 16, 2023	

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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</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

OBSERVATIONS

This was a pre-operational inspection of the proposed Windsor East Mine site conducted by Peter Hays and Amber Michels with the Division of Reclamation, Mining and Safety (Division/DRMS). Ms. Julie Mikulas with Martin Marietta Materials, Inc. was present during the inspection.

The Construction Regular Operation Reclamation Permit Application (112c) was received by the Division on September 26, 2022. The application was deemed complete by the Division on October 7, 2022. The current decision date is March 15, 2023. The Applicant published public notice as required by Rule 1.6.2(d) for four (4) consecutive weeks. The last notice was published on November 2, 2022. The public comment for the application ended on November 22, 2022. No objections were received by the Division.

The site is a proposed 150.30 acre construction materials operation. The permit boundary and affected land boundary are the same for the application. The Applicant proposes to mine 90.1 acres with the remaining acreage used for stockpile storage and offsets from existing structures and property lines. The site is located approximately 3.5 miles southeast of Windsor, CO in Weld County. The proposed mine site is currently used as cropland. The notice sign was observed during the inspection as required by Rule 1.6.2(b).

The site will be mined in four (4) phases labeled as Cells A, B, C and D on the Exhibit C - Mining Plan Map. Topsoil and overburden will be stripped and stockpiled ahead of the mining excavation. A dewatering trench will be constructed around the perimeter of each phase to allow for dry mining operations. The water will be discharged to the Cache la Poudre River in accordance with a NPDES discharge permit. The active highwall will be mined at a maximum 1H:1V slope. All mined material will be transported by conveyor to the adjacent Parsons Mine (M-2009-082) for processing. The mining operation is planned for 8 years with approximately 500,000 tons of aggregate produced annually. The earthmoving will be performed with a combination of typical mining equipment including; loaders, dozers, scrapers, backhoes, water trucks, portable generators and dewatering pumps.

The proposed mine site was observed from WCR 23 and the existing oil and gas and agricultural roads through the site. The site vegetation consisted of native grasses along the perimeter and recently harvested crop stocks in the irrigation pivot area. All utilities along WCR 23 and through the site appear to have been identified by the Applicant.

The proposed post-mining land use for the site is developed water resources. The site reclamation will include 54.7 acres for the reservoirs and 95.6 acres of upland vegetation. Two (2) reservoir will be constructed for the use of the landowner, GWIP, for water storage. The remaining two (2) mining cells will be reclaimed to upland areas with one (1) containing a five (5) foot depression for stormwater management. The upland areas will be revegetated with native grasses as recommended by the NRCS. The reservoirs will be created with the construction of clay liners around the perimeter of the mining cells. All slopes will be graded to 3H:1V. Topsoil will be replaced at a depth of 6" above the high-water elevation of the reservoirs and in the upland areas. Noxious weeds will be controlled under a weed management plan by the Applicant.

An adequacy review letter was issued by the Division on December 4, 2022. The Division is awaiting a response to the letter from the Applicant. The Applicant proposed a required financial warranty in the amount of \$2,010,266.00. The financial warranty amount is under evaluated by the Division.

No problems were noted by the Division during the inspection.

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.

Inspection Contact Address

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Fort Collins, CO 80521

Ec: Jared Ebert, DRMS

PHOTOGRAPHS



View of the notice sign posted at the site entrance from WCR 23



View of WCR 23 from the site entrance looking south



View of the site from the southwest corner looking northeast



View of the site from the south boundary looking north



View of the site from the west boundary looking west



View of the site from the northwest boundary corner looking south



View of the plugged oil and gas well reclamation