




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: Boettcher Limestone Quarry	MINE/PROSPECTING ID#: M-1977-348	MINERAL: Limestone (general)	COUNTY: Larimer
INSPECTION TYPE: Surety Release Inspection	WEATHER: Cloudy	INSP. DATE: April 2, 2025	INSP. TIME: 09:30
OPERATOR: Holcim (US) Inc.	OPERATOR REPRESENTATIVE: Mr. Michale Toole	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Release Requested	BOND CALCULATION TYPE: None	BOND AMOUNT: \$2,518,261.30	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Jocelyn Carter	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 22, 2025	

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>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION-- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</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 Boettcher Limestone Quarry, Permit No. M-1977-348, was inspected by me, Jocelyn Carter, on behalf of the Division of Reclamation, Mining, and Safety (Division/DRMS). Holcim (US) Inc. is the permittee for this operation, Mr. Michael Toole was present during the inspection on behalf of the permittee. The purpose of the inspection was in accordance with Rule 4.17.2(2) and the submittal of the Full/Final Release of the permit on February 11, 2025. The weather at the time of the inspection was partially cloudy with cool temperatures.

The Boettcher Limestone Quarry is a 112c operation currently permitted for 485 acres, down from a total of 1,848 acres. The approved postmining land use for the site is dry rangeland. Mining was conducted using a dragline to remove limestone in bands across the site for cement, resulting in a series of pits running north-south. Cement kiln dust (CKD) was generated on site and disposed of in pits within the quarry. Mining and plant operations ceased in 2002, and the site has been in reclamation since that time.

The Division intends to approve the Full/Final Release request after resolving issues with a pipeline and fence and gate that were viewed on the permitted area. These items are discussed further below and were addressed in the Division's adequacy review letter dated April 10, 2025.

Photos taken during the inspection are given in this report. Questions regarding this inspection report should be directed to me, Jocelyn Carter, by email at Jocelyn.carter@state.co.us or by phone at (720) 666-1065.

Records

There are no open minor infractions or enforcement issues with this permit. The surface and minerals rights are privately owned.

Hydrological Balance

A groundwater monitoring plan was implemented to verify that mining activities and CDK disposal did not negatively impact the hydrologic balance to the area. The approval of TR-12 on July 15, 2024, terminated the need to continue groundwater monitoring for the site.

There is a pipeline between the north end of Pond C to a canal to the north. The pipeline is in place in accordance with an augmentation plan between Holcim (US), Inc. and the City of Greeley.

Backfill & Grading

The backfill and grading were adequate according to the approved reclamation plan; slopes appear to be 2H:1V or less, are stable, and well vegetated.

Roads

The road appeared to be in good condition, stable, and not a source of sedimentary or erosion issues. The road was approved to stay in place after mining activities. The technical revision TR-5, approved on July 12, 2005, allowed the road to remain at a width of 24 feet. In general, the width of the road is about 20 feet in width and lies within the accepted parameters.

There is a gate and fence installed on the property used to discourage trespassing onto a small two track trail. Holcim (US) Inc. would like to leave the fence and gate in place for the same purpose; to discourage trespassing onto the property.

Revegetation

There did not appear to be any noxious weeds present in the affected areas. Larimer County assists in weed management of the site.

Reclamation Plan/ Compliance

The affected area appeared to be in compliance with the approved reclamation plan.

PHOTOGRAPHS



Photo #1: View of the permit area, looking to the south from the north boundary line.



Photo #2: View of the affected area, looking to the north from the southern portion of the permitted area.



Photo #3: View of Pond C, situated along the southeast of the permitted area, looking to the southeast.



Photo #4: View of the road running north-south through the approximate center of the permitted area, looking to the northeast.



Photo #5: View of the pipeline, circled in red, at Pond C.



Photo #6: View of the fence and gate blocking the two-track trail on the property, looking north.

Inspection Contact Address

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CC: Amy Eschberger, DRMS