




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: Hazeltine Mine	MINE/PROSPECTING ID#: M-2004-031	MINERAL: Sand and gravel	COUNTY: Adams
INSPECTION TYPE: Surety Release Inspection	WEATHER: Clear	INSP. DATE: December 9, 2022	INSP. TIME: 10:00
OPERATOR: Holcim - WCR, Inc.	OPERATOR REPRESENTATIVE: Wyatt Webster	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Release Requested	BOND CALCULATION TYPE: None	BOND AMOUNT: \$670,602.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Nikie Gagnon	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 4, 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>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>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION-- <u>N</u>	(ST) STIPULATIONS----- <u>Y</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 Hazeltine Mine was inspected by Nikie Gagnon with the Division of Reclamation, Mining and Safety (Division/DRMS). Wyatt Webster, representing Holcim-WCR Inc. accompanied the Division during the inspection. The Hazeltine Mine is a 112c operation permitted for 184.90 acres. The land is owned by the City of Thornton and the post-mine land use is developed water resources.

This inspection was completed as part of acreage release request, submitted in accordance with Rule 4.17, received by the Division on November 22, 2022. Holcim - WCR Inc. is requesting a full/final release of 184.90 acres. The site was previously inspected by the Division on November 18, 2021 as part of an acreage reduction request for 20 acres, including the Orr drain and areas tributary to the drain. At that time, several Russian olive trees, Canadian thistle and other thistle species were noted growing in the wetland area. The 2021 acreage reduction was denied.

Reclamation/Revegetation Success:

Reclamation work is complete. The slopes of the reservoir are graded to approximately 3H:1V and stabilized by vegetation. No signs of water or wind erosion were noted on the slopes. The affected land surrounding Hazeltine Reservoir is stabilized with grasses and shrubs. The City of Thornton constructed a pump station and boat ramp in the southwest corner and installed outlet waterlines and a rip rap emergency spillway in the northwest corner, adjacent to the river. Reseeding was conducted across these disturbed areas in 2021. Some annual weeds and patches of bare earth were noted in this area, however, the native grasses are expected to continue to fill in more densely. An approved permanent dirt access road remains around the reservoir.

According to correspondence received from the Operator on November 16, 2022, contractors completed an extensive removal process of all the Russian olive trees within the permit area and noxious weeds in the wetland area were sprayed three times. This is consistent with observations made during this inspection. The wetland appears stable and vegetated with the approved mixture of grasses, shrubs and wetland species. Weeds are well controlled and no Russian olive trees were noted within the permit boundary.

During the comment period, the City of Thornton expressed concern over woody debris piles left in the bottom of the reservoir from tree removal activity. In response, the Operator removed the piles on December 21, 2022.

Hydrologic Balance:

The Orr drain, which was installed as part of a permanent mitigation plan, was open and discharging at the time of inspection. Water flows into the pit and pools in the northeastern section of the former pit (Hazeltine Reservoir). A pump was operating and pumping water out of the reservoir and discharging into the Bull Seep along the northern edge of the property. The Bull Seep is a tributary to the South Platte River. According to a revised comment received on December 21, 2022 from the Division of Water Resources, 97 percent of all lagged depletions from past operations, including dewatering before the pit was lined, will have affected the South Platte River by the end of December 2022 and would have been replaced under the current Aggregate Industries South Platte combined substitute water supply plan (SWSP). The current combined SWSP will expire on December 31, 2022. The Applicant intends to replace the remaining 3 percent of lagged depletions in one lump sum during the next SWSP approval period for 2023. The City of Thornton has a decreed plan for augmentation in Case No. 18CW3158 which will replace all out-of-priority seepage depletions from the Orr

Drain. Therefore, the Division of Water Resources has no more concerns regarding the request for a full release of the permitted area of Hazeltine Mine.

During the comment period, the City of Thornton requested that Holcim remove the piping, pump, generator and all related materials used for pumping water from the pit. In an email response to the City on December 21, 2022, Holcim confirmed that the pump, generator and piping will be removed once the Division approves the full release of the acres.

Signs and Markers:

The permit sign was posted at the entrance to the site as required by Rule 3.1.12(1). The permit boundary was clearly marked by posts.

Based on observations made during this inspection the request for final/full acreage release of 184.90 acres will be approved. Notice of the Division's decision regarding the release request will be sent under a separate cover letter.

Photographs taken during inspection are attached. Please contact Nikie Gagnon (303)866-3567 ext. 8126 or email at nikie.gagnon@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Looking west across Hazeltine Reservoir, former mining pit area.



Bull Seep wetland adjacent to access road. Area treated for noxious weeds and Russian olive trees removed.



Northern end of Bull Seep wetland area adjacent to access road. Area treated for noxious weeds and Russian olive trees removed.



Orr drain on the eastern side of the reservoir. Water flowing into the reservoir.



Run-down channel from the Orr drain into the pit.



Looking northwest at pool of water from the Orr drain. Arrows point to pump and generator on north side of reservoir.



Northeast corner of reservoir – side slopes stabilized by grasses.



Overflow structures in northwest corner of reservoir near the South Platte,
Arrow points to woody debris pile left over from tree removal.



Looking east along northern side. Area reseeded in 2021, Annual weeds and grasses filling in bare areas.



Cooley East Pump station constructed in the southwest corner of the reservoir.



Generator and power supply on north side of reservoir. These will be removed once the Division approves the release.



Piping to the Bull Seep on the north side of the reservoir. Piping will be removed once the Division approves the release.

Inspection Contact Address

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