




**UPDATED**

## 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.

<b>MINE NAME:</b> Hokestra Gravel Pit	<b>MINE/PROSPECTING ID#:</b> M-1980-149	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Weld
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter Hays	<b>INSP. DATE:</b> December 16, 2021	<b>INSP. TIME:</b> 13:00
<b>OPERATOR:</b> Weld County Public Works	<b>OPERATOR REPRESENTATIVE:</b> Jeff York	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> February 7, 2022	

### 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>NA</u>	(RD) ROADS----- <u>Y</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>Y</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>Y</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**

The Hokestra Gravel Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on February 12, 2016. Mr. Jeff York with Weld County Public Works was present during the inspection. A map based on the observations from this inspection and the latest available Google Earth image is attached for reference.

The site is 112 construction materials operation permitted for 131.60 acres and is divided into four (4) remaining phases; Phase 2, Phase 3, Phase 4 and the parcel east of Phase 3 (Phases 5 and 6).

### **Phase 2**

Phase 2 is located in the northwest corner of the site and consists of a clay lined reservoir. The Operator has not submitted the Office of the State Engineer (SEO) approval letter for the clay liner to the Division. The reservoir was partially filled at the time of the inspection. The perimeter of the reservoir has been riprapped with the exception of the eastern shoreline. The riprap is required as part of the flood mitigation measures for the site. The required spillways between Phase 2 and 4 and Phase 4 and the St. Vrain River have not been constructed to date. The upland areas around the reservoir are vegetated with reclamation grasses. The vegetation on the north and south sides of the reservoir appeared to be well-established in the current dormant and recently mowed status. The vegetation on the east and west side of the reservoir consisted of poorly established grasses with bare areas. The Operator reported the areas were reseeded three weeks ago. The perimeter drain along the western side of the phase is installed as indicated in construction report by Brierley Associates dated October 30, 2014.

### **Phase 3**

Phase 3 is located in the southeast corner of the site and consists of a slurry wall lined reservoir. The Operator has not submitted the SEO approval letter for the slurry wall to the Division. The location of the slurry wall centerline was marked on all sides with white posts. The phase has been stripped of topsoil and overburden, however mining excavation has not started in the phase. The phase is currently being utilized as a stockpile and processing area by the Operator. The stockpiles consisted of imported and native materials. The reservoir to the east of the phase will need to be dewatered before Phase 3 is mined, since the two areas are surrounded by a single slurry wall.

The parcel east of Phase 3 (Phases 5 and 6) was mined and reclaimed to slurry lined reservoir several years ago. The Operator has not submitted the SEO approval letter for the slurry wall to the Division. The Division will require proof of SEO approval for the slurry wall prior to consideration of any future release requests. The area has been re-mined to create a single reservoir instead of two separate reservoirs. The reservoir was dewatered at the time of the inspection to allow the reservoir owner to complete repair to the leaking slurry wall along the southern portion of the reservoir. The upland areas around the reservoir were recently seeded by the Operator.

The perimeter drain along the southern side of the phases is installed as shown in construction report by Brierley Associates dated October 30, 2014.

#### Phase 4

Phase 4 is located east of Phase 2 and north of Phase 3 in the northeast corner of the site and consists of a slurry wall lined reservoir. The Operator has not submitted the SEO approval letter for the slurry wall to the Division. The location of the slurry wall centerline was marked on all sides with white posts. The phase was inactive at the time of the inspection. The northern portion of the phase is partially mined and was partially filled with water. The current pit floor contained a stockpile of imported material for another Weld County mine site. A topsoil stockpile was observed in the southwest corner of the phase.

The Division will require the Operator to verify the required 4H:1V slopes of the reservoirs by submitting survey data verifying the grading prior to Division consideration of any future final or partial release requests at the site.

The mine sign and boundary markers were observed as required by Rule 3.1.12. A financial warranty is not held by the Division for the site.

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](mailto:peter.hays@state.co.us).

#### Updates

The SEO approval letters dated October 7, 2014 for the Cell 2 clay liner, the Cell 3 slurry wall and the Cell 4 slurry wall were submitted by the Operator on March 28, 2016. A spillway has been constructed at the northeast corner of Cell 2, which reports to the St. Vrain River through a slough according to the Operator.

#### Inspection Contact Address

Jeff York  
Weld County Public Works  
P.O. Box 758  
Greeley, CO 80632

Enclosure - Inspection Map

Ec: Jared Ebert, DRMS

## PHOTOGRAPHS



Hokestra Gravel Pit mine sign



View of the Phase 2 eastern upland area from the southeast corner looking north





View of the Phase 2 shoreline from the southeast corner looking north



View of the Phase 2 western upland area from the southwest corner looking north





View of the Phase 2 northern upland area from the northwest corner looking east



View of Phase 4 from the northwest corner looking east





View of Phase 4 from the southeast corner looking northwest



View of Phases 5 and 6 from the northwest corner looking east





View of Phases 5 and 6 from the northwest corner looking southeast



View of Phase 3 from the stockpile looking south









# Hokestra Gravel Pit

M-1980-149

December 16, 2021 Inspection Map

## Legend

-  Hokestra Pit Permit Boundary
-  Phase 2
-  Phase 3
-  Phase 4
-  Slurry Wall Repair Area
-  Weld County Hokestra Pit

