




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: Bennett Pit	MINE/PROSPECTING ID#: M-2016-085	MINERAL: Sand and gravel	COUNTY: Weld
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter Hays	INSP. DATE: November 30, 2021	INSP. TIME: 12:00
OPERATOR: Northern Colorado Constructors	OPERATOR REPRESENTATIVE: Chris Zadel	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$1,556,607.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: February 4, 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>Y</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>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

OBSERVATIONS

The Bennett 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. Mr. Chris Zadel with Northern Colorado Constructors, Inc. (NCCI) was present during the inspection. The site was previously inspected by the Division on May 21, 2020. A map based on the observations from this inspection and the latest available Google Earth image is attached for reference.

The site is an 112c operation permitted for 163.32 acres with 125.09 acres of disturbance. The site was active at the time of the inspection. The site is located west of the South Platte River and approximately 3.5 miles southwest of Platteville, CO in Weld County. The sand and gravel deposit ranges up to 52 feet in depth. The site is dry mined with the construction of slurry walls around the perimeter of the mining cells prior to exposing groundwater. The site is being mined and reclaimed in two (2) phases. Phase 1 includes mining the north cell, constructing access roads and stockpile areas and constructing the processing plant area in the southwest portion of the site. Phase 2 includes mining the south cell. The life of mine was originally estimated at 10 to 15 years, however the currently estimate is 3 to 5 years.

North Cell

The excavation of the north cell is mostly complete. The depth of the cell was estimated at 25 feet. The southwest corner of the cell including the access ramp remain to be mined by the Operator. The north, east and south slopes of the cell have been rough graded to the required 3H:1V slope. The topsoil and overburden stockpiles required to complete reclamation of the cell were observed on the pit floor. The approved post-mining land use for the cell is developed water resource. The cell will be reclaimed to a 33.01 acre reservoir. The Operator stated the leak test for the slurry wall was complete. The Division will require proof of the slurry wall approval from the Division of Water Resources prior to any future release requests by the Operator.

South Cell

The excavation of the south cell was observed during the inspection. Material was being mined by an excavator and hauled by trucks to the processing plant or off-site. The cell is being mined roughly from south to north. The depth of the cell in the southern portion was estimated at 25 feet and the depth of the northern portion was estimated at 10 feet. A dewatering pond was located in the southeast corner of the cell. The Operator reported dewatering to the Platte River has not been required for a while. Three (3) settling ponds were observed along the west side of the current excavation in the cell. The processing plant is located in the southwest corner of the cell. A large topsoil stockpile was located in the southern portion of the cell. Groundwater is pumped from the cell to the fresh water pond. The water is used at the processing plant and pumped to the settling ponds for recycling. The approved post-mining land use for the cell is developed water resource. The cell will be reclaimed to a 65.05 acre reservoir. The Operator stated the leak test for the slurry wall was complete. The Division will require proof of the slurry wall approval from the Division of Water Resources prior to any future release requests by the Operator.

The mine sign and boundary markers were observed as required by Rule 3.1.12. The Division currently holds a reclamation bond in the amount of \$1,556,607.00, which is adequate to reclaim the site based on the observations from this 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

Chris Zadel
Northern Colorado Constructors
9075 Weld County Road 10
Fort Lupton, CO 80621

Enclosure – Inspection Map

Ec: Jared Ebert, DRMS

PHOTOGRAPHS



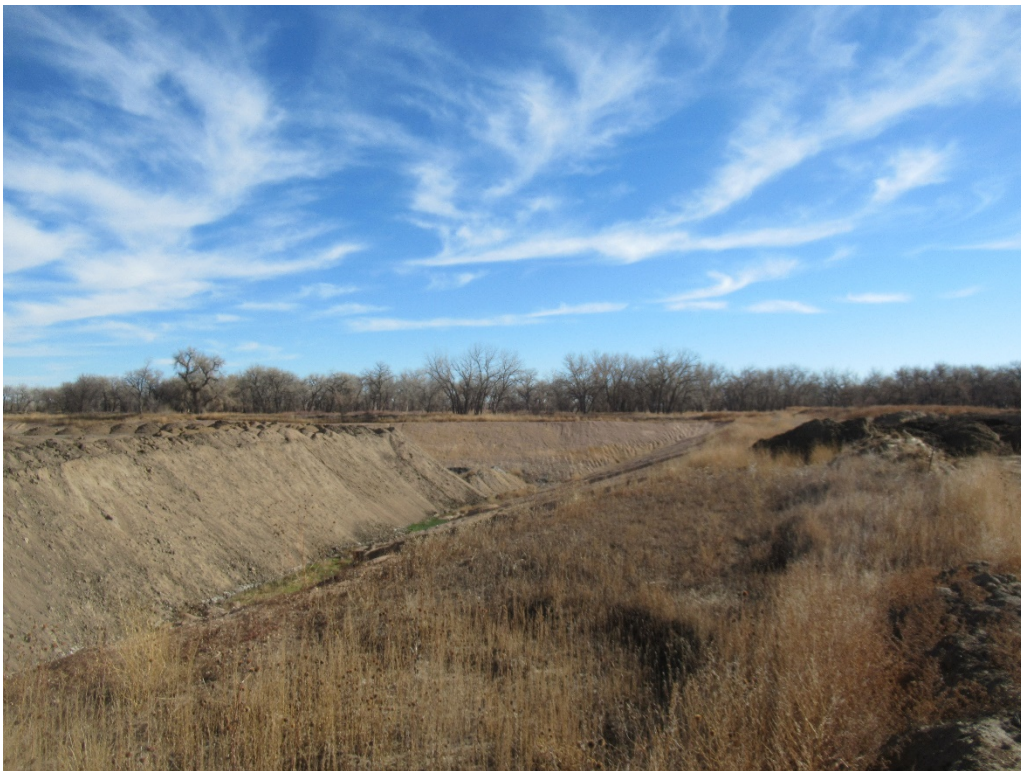
Bennett Pit mine sign



View of the North Cell from the southwest corner looking north



View of the North Cell from the southwest corner looking northeast



View of the North Cell from the southwest corner looking east



View of the South Cell from the northeast corner looking south










View of the North Cell from the southeast corner looking northwest

Bennett Pit

M-2016-065

November 30, 2021 Inspection Map

Legend

-  Bennett Pit
-  Bennett Pit Boundary
-  Freshwater Pond
-  North Cell
-  Settling Ponds
-  South Cell
-  Topsoil Stockpile

