




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: Nyholt Pit (aka Mann)	MINE/PROSPECTING ID#: M-1982-147	MINERAL: Sand and gravel	COUNTY: Adams
INSPECTION TYPE: Surety Release Inspection	INSPECTOR(S): Jared L. Ebert	INSP. DATE: March 15, 2017	INSP. TIME: 09:00
OPERATOR: Adams County	OPERATOR REPRESENTATIVE: Kurt Carlson	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Release Requested	BOND CALCULATION TYPE: NONE	BOND AMOUNT: \$0.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 17, 2017	

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>NA</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>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This was an inspection of the Nyholt Pit, DRMS Permit No. M-1982-147, operated by Adams County. I, Jared Ebert of the Colorado Division of Reclamation, Mining and Safety (Division) conducted the inspection. Mr. Kurt Carlson with Adams County accompanied me during the inspection. On January 30, 2017 the Division received a partial acreage reduction request for 50.45 acres at this site. The primary purpose of this inspection was to evaluate the reclamation on 50.45 acres requested for liability release. Please see the attached map included with this report that depicts the portion of the permit area requested for bond release.

This is an 112c mining/reclamation operation and is 308.7 acres in size currently. Mining is complete at the site, however several large stockpiles of mined material exist on the southern portion of the site that Adams County continues to utilize for County use. The total permit area is split into two areas. The first area was the originally permitted area north of 124th Avenue/Henderson Road and is about 40+/- acres in-size. The second area is south of Henderson road and is 268.5 acres in size. The previous mining operators for this site mined this area and created three clay lined water storage reservoirs. The post mine land use for the northern portion of the permit area could be classified as recreation as it was the plan to donate this land to the County for a park. The post mine land use for the land south of Henderson road is developed water resources.

The areas requested for release are split up into two different parcels. One parcel is about 40+/- acres located north of Henderson Road and encompasses the Mann-Nyholt Lake. The other parcel is 10.45 acres in the southwest corner of the permit area located south of Henderson road.

Fish and Wildlife:

Several types of ducks and several pelicans were observed utilizing the lake within the 40 acre bond release parcel at the time of the inspection.

Hydrologic Balance:

The 40+/- acre bond release area encompassing the Mann-Nyholt Lake is an open ground water lake. The Division received a comment letter dated February 6, 2017 from the Colorado Division of Water resources indicating that Adams County has an approved augmentation plan for this parcel and that they do not object to the release of this area.

Adams County has previously provided evidence to the Division that the three lined water storage reservoirs south of Henderson Road have passed the State Engineers leak test requirements.

Gen. Compliance With Mine Plan:

As indicated above, mining is complete at the site. Several stockpiles of material remain on the site in-between the Lake #1 and Lake #3 area. Adams County continues to remove and utilize material from these piles for county purposes. An old mine office trailer remains on site near the stockpiles of material. Adams County will likely remove this trailer in the future.

Roads:

A dirt road has been created that runs from 124th Avenue/Henderson Road to 120th Avenue to the south and separates Lake #2 from Lakes #1 and #3. The road was stable.

Reclamation Success:

The northern 40+/- acre bond release area was observed. This area is being utilized as a County park. Parking facilities and a restroom has been constructed in the southeast corner of this site and a gravel path has been constructed around the lake. Many people were utilizing the park at the time of the inspection. Park benches and tables have been installed throughout the site. Small foot trails were member of the public have walked close to the lake shore have developed. The vegetation around the lake consists a dense native grasses and shrubs. Cottonwood trees have developed throughout the site. This area is intensely managed by Adams County Parks staff. The slopes of the lake were stable and vegetated.

The southern 10.45 acre bond release area was observed. This area is located in the southwest corner of the southern portion of the permit area adjacent to Lake #3. The bond release area consists of an upland area that encompasses a portion of the road that traverses the site in-between 120th and 124th avenues. The road is stable and the operator has planted trees and shrubs throughout this area and along the road and also along where they plan to build a recreational path. Grassy vegetation has established in the areas outside of the road and the area is stable.

Given the observations made of the bond release area, the Division will issue a proposed decision to approve the release of liability for these areas.

Slides and Other Damage:

During the flooding in 2013, there were a number of areas around the three water storage reservoirs that were damaged. Adams County submitted plans to repair and stabilize these areas. The activities they proposed to conduct to repair and stabilize these areas were observed. Repair activities have been completed and the site appears stable.

PHOTOGRAPHS



Figure 1. From the west side of the 40 acre bond release area Mann-Nyholt Lake looking southeast.



Figure 2. From the west side of the 40 acre Mann-Nyholt Lake looking northeast.



Figure 3. Walking path around the Mann-Nyholt Lake.



Figure 4. From the east shore of Lake #2 looking north.



Figure 5. From the east shore of Lake #2 looking south.



Figure 6. From the southwest corner of Lake #1 looking southeast.



Figure 7. From the southwest corner of Lake #1 looking northeast.



Figure 8. Old mine office near stockpile area.



Figure 9. Stockpiles in-between Lake #3 and #1.



Figure 10. Stockpiles in-between Lake #3 and #1.



Figure 11. From the north end of the 10.45 acre bond release area looking south.



Figure 12. From the southwest corner of Lake #3 looking northeast.



Figure 13. From the north end of the 10.45 acre bond release area looking south.

Inspection Contact Address

Nathan Mosely
Adams County
9755 Henderson Rd
Brighton, CO 80601




Enclosure: 1.) *AR-1 Map*

CC: Kurt Carlson, Adams County - via e-mail

M 1982-147
Nyholt Pit (Mann Lakes) 308 Acres +/-



Legend

-  Permit Boundary (+/- 308 Acres)
-  Proposed Areas to be Partially Released (+/- 50.45 acres)
-  New Permit Boundary = 257.55 Acres
(Contingent on Partial Release Approval)

1: 11,000



1,833.3 0 916.67 1,833.3 Feet

NAD_1983_StatePlane_Colorado_Central_FIPS_0502_Feet
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Blue Shaded Areas Indicate Areas that Adams County Desires to Partially Release (Total = 50.45 acres)
Yellow Dashed Line Indicates Current Boundary for the 308 Acre Site