




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: Borrow Area C	MINE/PROSPECTING ID#: M-1981-086	MINERAL: Sand and gravel	COUNTY: Grand
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: September 17, 2019	INSP. TIME: 10:00
OPERATOR: N Colo Water Conservancy Dist.	OPERATOR REPRESENTATIVE: Craig Friar	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$36,100.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 23, 2019

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Financial Warranty

PROBLEM: The financial warranty is not adequate to reclaim the site in accordance with the approved Reclamation Plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The Operator shall submit adequate financial warranty, as determined by the Division. The Division calculated the required financial warranty based on the observations from this inspection at \$167,500.00, an increase of \$131,400.00. A copy of the updated cost estimate is attached for review. The Division will allow the Operator 30 days from the signature date of this inspection report to review and respond to the increased financial cost estimate prior to the Division issuing the notice of surety increase letter. The Operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 10/23/19

OBSERVATIONS

The Borrow Area C site 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 September 16, 2015. Mr. Craig Friar with Northern Colorado Water Conservancy District (NCWCD) was present during the inspection.

The site is an 112c operation permitted for 37.30 acres. The site was inactive during the inspection. The site was previously contract mined by Grand County, however Grand County is no longer mining the site for NCWCD. A stockpile of road base was observed in the northwest corner of the pit floor. The Operator stated the road base material was removed as needed. Stockpiles of imported material and railroad ties were observed in the northeast corner of the pit floor. The Operator was aware the material needs to be removed from the site or submit an import material notice with the Division pursuant to Rule 1.3.5(9). The highwall is progressing to the northwest and was estimated at 15 feet in height. The highwall was temporarily sloped at a 3H:1V grade. Topsoil and overburden material were stripped ahead of the highwall. The stockpiles were vegetated with annual weeds, but appeared stable. A stormwater berm was observed around the perimeter of the site. The pit floor was dry and no erosion features were observed during the inspection.

The approved post-mining land use for the site is general agriculture. No reclamation activities have begun at the site. Noxious weeds including; common mullein, diffuse knapweed, bull thistle, Canada thistle, and halogeton were observed during the inspection. The Operator was aware of the noxious weed problem and stated the site would be sprayed soon to control the spread of the weeds. Overburden and topsoil stockpiles were observed in the southwest corner of the site. The topsoil and overburden stockpiles were well-vegetated and appeared stable. The mine sign and boundary markers were observed as required by Rule 3.1.12. The site is delineated by a fence on the north and west sides and metal T-posts on the south and east sides.

The Division holds a financial warranty in the amount of \$36,100.00. The Division calculated the required financial warranty based on the observations from this inspection at \$167,500.00, an increase of \$131,400.00. A copy of the updated cost estimate is attached for review. The Division will allow the Operator 30 days from the signature date of this inspection report to review and respond to the increased financial cost estimate prior to the Division issuing the notice of surety increase letter. The Operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

Photographs taken during the inspection and an inspection map based on the observations from the inspection are attached. If you need additional information or have any questions, please contact me at 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

Mr. Jim Struble
N Colo Water Conservancy Dist
220 Water Avenue
Berthoud, Colorado 80513

Ec: Michael Cunningham, DRMS

PHOTOGRAPHS



Borrow Area C mine sign



View of the site (imported material stockpiles) from the north highwall looking southeast



View of the site (road base and imported material stockpiles) from the north highwall looking southwest



View of the temporarily sloped highwall from the west end looking east



View of the site from the west end of the highwall looking southeast



View of the topsoil and overburden stockpiles



View of the site from the south access road looking north

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- PB	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>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

Borrow Area C

M-1981-086

September 17, 2019 Inspection Map

Legend

-  Borrow Area C
-  Borrow Area C Permit Boundary
-  Imported Material Stockpiles
-  Overburden Stockpile
-  Road base Stockpile
-  Topsoil Stockpile

Borrow Area C

Google Earth

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1000 ft