




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: King Pit	MINE/PROSPECTING ID#: M-2004-036	MINERAL: Clay (general) and sand gravel	COUNTY: Washington
INSPECTION TYPE: Monitoring	INSPECTOR(S): Brock Bowles	INSP. DATE: October 16, 2019	INSP. TIME: 13:00
OPERATOR: Mason King	OPERATOR REPRESENTATIVE: Mason King	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$14,300.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: December 3, 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: Backfilling & Grading

PROBLEM/POSSIBLE VIOLATION: Problem: The current mine plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The operator must provide sufficient information to describe or identify how the operator intends to conduct the operation. The mine permit states in Exhibit D - Cost Estimate for Reclamation, that the excavations will be graded and sloped as they are mined.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities **or** by submitting pictures verifying that the highwalls in both excavations have been reduced to 3h:1v or less by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/3/20

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The mine identification sign did not contain the information required by Rule 3.1.12(1).

CORRECTIVE ACTIONS: Submit a photo of the mine entrance sign with the information required by Rule 3.1.12(1).

CORRECTIVE ACTION DUE DATE: 2/3/20

OBSERVATIONS

This inspection was conducted by Brock Bowles of the Division of Reclamation, Mining and Safety (Division). Mason King (Operator) was present for the inspection. The King Pit is located about 1/2 mile west of Cope, Colorado. The site is an active 110c operation with 9.9 acres permitted and the post-mining land use is pastureland. This inspection was carried out as a part of the Division's routine monitoring inspection program. At the time of the inspection it was warm, sunny and the ground was dry.

The mine plan consists of two separate pits, one on each side of the Arikaree River. No mining was taking place during the inspection. At the time of this inspection, the combined disturbance area of both pits consisted of 2.5 acres.

The mine entrance sign is missing the required information as required by Rule 3.1.12.(1). The Rules regarding the required information on entrance signs has recently changed to:

3.1.12 Signs and Markers

- (1) At the entrance of the mine site the Operator shall post a sign, which shall be clearly visible from the access road, with a minimum size equaling one hundred and eighty-seven (187) square inches, such as eleven (11) inches in height and seventeen (17) inches in width, with appropriate font size, with the following:*
 - (a) the name of the Operator and the operation name;*
 - (b) a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and*
 - (c) the permit number.*

Please submit a photo of the mine entrance sign with the required information stated above within 60 days of this report (January 13, 2020).

West pit- four permit boundary markers were identified. The topsoil stockpile was on the north side of the pit, was well vegetated and appeared to be stable. It did not appear that this pit had been mined recently due to the vegetation in the bottom of the pit.

East pit- four permit boundary markers were identified. Topsoil was stockpiled on the north side of the pit, was well vegetated and appeared to be stable. This pit was mined recently because it had fresh tracks. The highwall on the south and east sides were 10 feet high.

The mine permit states in Exhibit D - Cost Estimate for Reclamation, that the excavations will be graded and sloped as they are mined. This statement is interpreted by the Division as the highwalls will not exceed 3h:1v slopes throughout the mining operations. The current highwalls of both pit excavations exceed 3h:1v slopes as required by the permit. Please refer to the Possible Problems, Backfill and Grading section of this report for the Corrective Actions for this issue.

The reclamation cost estimated was re-calculated as part of this routine inspection. The cost estimate of 2014 estimated the cost for the entire 9.9 acre permit area. The 2019 cost estimate calculated a cost estimate for 4 acres of disturbance based on the observation that only 2.5 acres have been disturbed since the permit issuance in 2004. The 2019 reclamation cost estimate is \$11,980. The Division currently holds a bond of \$14,309 which is adequate to cover reclamation costs.

PHOTOGRAPHS



Mine entrance sign from County Road XX



East pit area needs to be graded to 3:1 as per the permit



East pit topsoil stockpile



West pit highwall need to be graded to 3h:1v as per the permit

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----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>PB</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>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>PB</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 and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

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