



# COLORADO

Division of Reclamation,  
Mining and Safety


Department of Natural Resources

## 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.

<b>MINE NAME:</b> Blue Valley Pit	<b>MINE/PROSPECTING ID#:</b> M-2015-008	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Grand
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> June 15, 2016	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Kirkland Construction, L.L.L.P.	<b>OPERATOR REPRESENTATIVE:</b> Joe Provost	<b>TYPE OF OPERATION:</b> 111 - Construction by Government Agency	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Partial Bond	<b>BOND AMOUNT:</b> \$75,000.00
<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> July 13, 2016

### 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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</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>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <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

## **OBSERVATIONS**

The Blue Valley 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. Joe Provost with Kirkland Construction, L.L.P. was present during the inspection. The site was previously inspected by the Division on May 8, 2015.

The required mine sign was observed and the boundaries of the affected land were delineated as required by Rule 3.1.12. The Division currently holds a financial warranty in the amount of \$75,000.00, which appears adequate to complete reclamation at the site.

The 111 permit site is approved for 30 acres. The mining excavation is progressing from north to south. The Operator estimates 3 months of material remains at the site. The Division estimated 300 to 400 feet of mineable material remained in the south part of the pit. The highwall height was estimated at 25 feet. An asphalt plant will be mobilized and installed in the north part of the pit floor later this year. The product stockpiles for the asphalt production were observed in the north part of the pit floor. The aggregate processing plant was located in the center of the pit. The access road was recently relocated along the east site boundary. Borrow material was being removed from along the west boundary of the remaining mine area and in the southwest corner. The borrow material contains too much clay for the processing plant and was being directly hauled to the road project site as fill material.

The approved post mining land use is rangeland. The topsoil stockpiles remain around the perimeter of the site. The stockpiles were stable and partially vegetated. The overburden stockpiles remain in the southeast corner and along the south boundary. The road project associated with the mine site is scheduled to be completed in July 2017. The Operator estimates the project will be completed and the mine site reclamation will begin in December 2016 ahead of schedule.

Photographs taken during the inspection are attached. An inspection map is attached for reference.

### **Inspection Contact Address**

Mr. Baxter Kirkland  
Kirkland Construction, L.L.P.  
P.O. Box 580  
Rye, CO 81069

Enclosure – Inspection Map

Cc: Wally Erickson, DRMS

## PHOTOGRAPHS



Blue Valley Pit sign



Looking south from NE corner of site





Looking west from NE corner of site



Looking south from highwall in south part of site





Looking NE from SW corner of site at remaining gravel resource



Looking north from SW corner of site at remaining gravel resource and processing plant








# Blue Valley Pit

M-2015-008

June 15, 2016 Inspection Map

## Legend

-  Access Road
-  Approx. Gravel Resource
-  Blue Valley Pit
-  Pit Run Excavation Area
-  Processing Plant Location

