




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
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: High Flume Gravel Pit	MINE/PROSPECTING ID#: M-1990-093	MINERAL: Gravel	COUNTY: La Plata
INSPECTION TYPE: Monitoring	INSPECTOR(S): Lucas J. West	INSP. DATE: April 8, 2016	INSP. TIME: 08:00
OPERATOR: High Flume Gravel Pit, Inc.	OPERATOR REPRESENTATIVE: Matt Carnahan, MattTrenkle	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$72,645.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 22, 2016	

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: Acid And Toxic Materials

PROBLEM/POSSIBLE VIOLATION: Problem: A hydraulic fluid spill has occurred at the site which has impacted soils, surface water or groundwater.

CORRECTIVE ACTIONS: The operator shall immediately remediate the spill and submit a final report to the Division containing at least the following information:

- 1.) A description of how the spill was cleaned up containing at a minimum - the appropriate maps, volumes removed, sample locations, analytical data, and photo documentation.
- 2.) A written narrative describing the steps taken to properly remediate the soils.

CORRECTIVE ACTION DUE DATE: 6/21/16

OBSERVATIONS

This inspection was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining and Safety. The High Flume Gravel Pit is listed as an active 112(c) operation, though mining has not taken place at the site in years. The site is located approximately 14 Miles South of Durango, CO at around 6500 Feet in elevation. Public access to the site is controlled by a locked gate at the base of the access road. The Operator, Matt Carnahan of Four Corners Materials, and the Landowner Matt Trenkle were present during the inspection. A financial warranty in the amount of \$72,645.00 is currently held by the Division, and was not recalculated at this time. Six Photos accompany this report to illustrate the current site conditions.

Proper mine identification signage was posted at the entrance to the site shown in Photo One and the permit boundary was clearly identified. The site was not active during the time of the inspection, as no mining has taken place recently. The scale and scale house were noted to be in good repair, a previous Technical Revision was executed to allow both structures and the access road up to the main pit area to remain onsite upon completion of reclamation. When mining activities were being conducted, materials from the main pit area would be transported to the bottom of the hill for removal by the use of a large steel tube. Photo Two shows the tube, which has been cut into sections and staged for removal near the scale house.

The access road leading up to the pit area is approximately .7 miles and has suffered significant erosion. Photo Three shows an example of the erosion located on the road. Also scattered along the upper portion of the access road, was miscellaneous mining equipment including a front end loader, conveyor, shaker and small dozer. Photo Four shows some of the equipment on site. The equipment is in disrepair and the Landowner explained that all the equipment on site has been sold to a scrap dealer, and is being removed. Evidence of the removal was observed, remnants of an unidentified piece of equipment were located on site, shown in Photo Five. During the removal of this piece of equipment, a large quantity of hydraulic fluid was spilled and affected the soils around it. The quantity of the fluid was unknown, and neither the Operator nor Landowner was aware of the spill. On site discussions with the Operator indicated the use of an in-situ cleaning product. The Operator shall remediate the spill and submit a final report to the Division containing at least the following the information:

- 1.) A description of how the spill was cleaned up containing at a minimum the appropriate maps showing the location of the spill, approximate volumes of the area remediated and photo documentation of the cleanup.
- 2.) A written narrative describing the steps taken to properly remediate the soils.

The Operator shall complete remediation and submit the required information to the Division's Denver office within 60 days. **All information outlined above must be received by the Division no later than June 21, 2016.**

The main pit area sits on top of the mesa, with a large excavated area and an exposed highwall. Photo Six shows the excavation area. Despite its size, the excavated area and the highwall both appear to be stable and no significant erosion was noted. The main work area, and base of the excavation area is vegetated with volunteer species. No stockpiles of materials were observed on site, but a large quantity of overburden and topsoil was stockpiled. The stockpiles appear to be stable and show no signs of erosion. No noxious weeds were noted throughout the site during this inspection.

On site discussions with the Operator and Landowner indicate that the site will not be mined again, and final

reclamation will commence soon. A reclamation cost update was not performed at this time, based on the site entering final reclamation. The Operator shall submit written notification to the Division, identifying that the final reclamation phase of the life of the mine has begun. According to Rule 3.1.3 of the Rules for the Extraction of Construction Materials, the Operator will have five years from the identified date to complete reclamation. **The Operator shall submit written notification to the Division within 60 days. The notification needs to be received no later than June 21, 2016.** Should notification not be received, the Division will perform a reclamation cost update based on the site conditions observed during this inspection at that time.

All responses to this report should be directed to Lucas West at the Division of Reclamation, Mining and Safety, at 1313 Sherman Street, Room 215, Denver, CO, by phone at (970)-243-6368 or by email at lucas.west@state.co.us.

PHOTOGRAPHS



Photo One: Showing the proper mine identification sign located at the entrance to the site.



Photo Two: View East, showing the pieces of the removed, large metal slide used during mining operations.

4.8.2016



Photo Three: An example of the erosion located on the access road.

4.8.2016





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>N</u>	(RD) ROADS----- <u>Y</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>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SW) 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>PB</u>	(OD) OFF-SITE DAMAGE----- <u>Y</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

Inspection Contact Address

Matt Carnahan
Oldcastle SW Group, Inc. dab Four Corners Materials
6699 County Road 521
Bayfield, CO 81122

Enclosure

EC: Matt Trenkle, Landowner