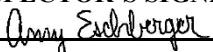




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

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.

|                                                                          |                                                   |                                                                      |                             |
|--------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|-----------------------------|
| <b>MINE NAME:</b><br>Vick Borrow Pit                                     | <b>MINE/PROSPECTING ID#:</b><br>M-2010-048        | <b>MINERAL:</b><br>Borrow material                                   | <b>COUNTY:</b><br>Lincoln   |
| <b>INSPECTION TYPE:</b><br>Monitoring                                    | <b>INSPECTOR(S):</b><br>Amy Eschberger            | <b>INSP. DATE:</b><br>November 19, 2015                              | <b>INSP. TIME:</b><br>13:40 |
| <b>OPERATOR:</b><br>Castle Rock Construction Company<br>Of Colorado, LLC | <b>OPERATOR REPRESENTATIVE:</b><br>Charlie Turner | <b>TYPE OF OPERATION:</b><br>111 - Construction by Government Agency |                             |

|                                                     |                                                                                                                    |                                             |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>REASON FOR INSPECTION:</b><br>Normal I&E Program | <b>BOND CALCULATION TYPE:</b><br>None                                                                              | <b>BOND AMOUNT:</b><br>\$25,375.00          |
| <b>DATE OF COMPLAINT:</b><br>NA                     | <b>POST INSP. CONTACTS:</b><br>None                                                                                | <b>JOINT INSP. AGENCY:</b><br>None          |
| <b>WEATHER:</b><br>Clear                            | <b>INSPECTOR'S SIGNATURE:</b><br> | <b>SIGNATURE DATE:</b><br>November 30, 2015 |

**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>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>Y</u>       |
| (MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>    | (FW) FISH & WILDLIFE----- <u>N</u>        | (RV) REVEGETATION---- <u>Y</u>   |
| (SM) SIGNS AND MARKERS----- <u>Y</u>        | (SW) STORM WATER MGT PLAN---- <u>Y</u>    | (CI) COMPLETE INSP---- <u>Y</u>  |
| (ES) OVERBURDEN/DEV. WASTE----- <u>Y</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 a normal monitoring inspection of the Vick Borrow Pit (Permit No. M-2010-048) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Charlie Turner represented the operator, Castle Rock Construction Company of Colorado, LLC during the inspection. Also present for the inspection was the landowner, Mr. Tony Vick. The site is located approximately 9 miles southeast of Hugo, Colorado. Access to the site is off of Hwy 287. The approved post-mining land use is pastureland.

This is a Special 111c operation permitted for 10.15 acres (see enclosed Google Earth image of site) to mine borrow material for a CDOT construction project on Hwy 287, located south of Hugo. The maximum mining depth was approximately 8-9 feet. Mining began in the southwestern portion of the permit area and commenced northeastward. No processing of material occurred in the permit area. Excavated material was hauled directly to the project. A temporary haul road approximately 200 feet in length was constructed to connect the pit to Hwy 287. This haul road is included in the permit area and will be reclaimed. Mining at this site commenced in September of 2010 and was completed in July of 2011. The site has been in reclamation since that time. According to the operator, soon after mining was completed in 2011, the disturbed land was graded to slopes of 5H:1V, topsoil was replaced at an average depth of 6 inches, and the land was broadcast- and drill-seeded and mulched according to the approved reclamation plan.

At the time of the inspection, the weather was clear, cold, and sunny, and the ground was dry. A permit sign was posted at the main entrance to the site (**Photo 1**). The permit boundary was completely enclosed by a barbed wire fence for protection from grazing during grass establishment. The mined pit is a shallow rectangular-shaped depression with the side slopes graded to a 5H:1V gradient (**Photos 2-4**). The disturbed land has some vegetative cover including a mixture of native grasses, forbs, and annual weeds (**Photos 5-7; also see Photos 2-4**). However, at this time, the grasses are concentrated primarily along the edges of the pit, with mainly weeds growing on the pit floor (**Photos 8-11**). In the inspection report for 04/04/2013, the Division noted that no vegetation was growing on the side slopes and no germination of the planted grass species was observed. Since that time, the site has clearly shown some success with vegetative growth. The Division recommends the operator continue to closely monitor the site for establishment of vegetation. It may be necessary to reseed the pit floor next spring. Additionally, the Division recommends the operator closely monitor the growth of state-listed noxious weed species in the permit area, and implement the approved weed control and management plan as needed to keep these weeds from establishing at the site. In particular, the Division observed some Canada thistle growing in the southwestern portion of the permit area.

Overall, the site appeared to be stable. No problems were observed during the inspection.

The Division currently holds a financial warranty for this permit in the amount of \$25,375.00, which is sufficient to complete reclamation. Once adequate vegetation has established across the disturbed land in accordance with the approved post-mining land use of pastureland, the operator may submit a request for full and final release of the permit.

### PHOTOGRAPHS



**Photo 1.** View of permit identification sign posted at main entrance to site.



**Photo 2.** View looking northwest across southwestern mined slope graded to 5H:1V, stable with vegetative cover.





**Photo 3.** View looking northeast across southeastern mined slope graded to 5H:1V, stable with vegetative cover.



**Photo 4.** View looking southwest across southeastern mined slope graded to 5H:1V, stable with vegetative cover.





**Photo 5.** View looking northwest across northeastern edge of pit, showing vegetative cover consisting of native grasses, forbs, and annual weeds. Note grasses primarily concentrated at edge of pit.



**Photo 6.** View looking south across pit from northeastern edge, showing vegetative cover consisting of native grasses, forbs, and annual weeds mainly along edge of pit (shown in foreground).





**Photo 7.** View looking southeast across northeastern edge of pit, showing vegetative cover consisting of native grasses, forbs, and annual weeds.



**Photo 8.** View looking southeast from center of pit floor, showing less grass establishment on pit floor than observed along edges of pit.





**Photo 9.** View looking north from center of pit floor, showing less grass establishment on pit floor than observed along edges of pit (shown in background).



**Photo 10.** View looking northwest from southeastern corner of pit, showing less grass establishment on pit floor than observed along edges of pit.





**Photo 11.** Representative close-up view of pit floor, showing vegetation currently present across much of pit floor



**Inspection Contact Address**

Ralph Bell  
Castle Rock Construction Company of Colorado, LLC  
6374 S. Racine  
Centennial, CO 80111

Enclosure(s): Google Earth image of site, showing approved permit area

CC: Tony Vick  
P.O. Box 412  
Hugo, CO 80821

Wally Erickson, DRMS



# M2010-048 / Vick Borrow Pit / Castle Rock Construction Company of CO, LLC

Red Outline = 10.15 acres = Approved Permit Area



Google earth

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500 ft