


**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><br>Colorado River Ranch Gravel Pit | <b>MINE/PROSPECTING ID#:</b><br>M-1981-236   | <b>MINERAL:</b><br>Sand and gravel                                 | <b>COUNTY:</b><br>Grand     |
| <b>INSPECTION TYPE:</b><br>Monitoring                | <b>INSPECTOR(S):</b><br>Peter S. Hays  | <b>INSP. DATE:</b><br>October 3, 2018                              | <b>INSP. TIME:</b><br>10:00 |
| <b>OPERATOR:</b><br>Raymond C. Petersen              | <b>OPERATOR REPRESENTATIVE:</b><br>Pete Petersen   | <b>TYPE OF OPERATION:</b><br>112c - Construction Regular Operation |                             |
| <b>REASON FOR INSPECTION:</b><br>Normal I&E Program  | <b>BOND CALCULATION TYPE:</b><br>Complete Bond   | <b>BOND AMOUNT:</b><br>\$20,500.00                                 |                             |
| <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>October 16, 2018                         |                             |

**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. A copy of the Division's estimate is attached for review. The Division will allow the Operator 30 days to review and comment on the estimate before issuing the notice of surety increase. The Division will send a separate surety increase notice to the Operator regarding the increase of the financial warranty. The Operator will have 60 days from the date of the surety increase notice to post the additional financial warranty.

**CORRECTIVE ACTION DUE DATE:** 11/15/18

**INSPECTION TOPIC:** Other

**PROBLEM:** A contractor imported a large stockpile of concrete railroad ties into the south mining area. The Operator allowed the contractor to stockpile the ties temporarily while the contractor processed the ties to separate the metal from the concrete. The presence of off-site material is considered a liability by the Division due to the additional cost required for the Division to remove the stockpile in the event of a permit forfeiture.

**CORRECTIVE ACTIONS:** The Operator or contractor must remove or complete the processing of the railroad ties into recycled concrete and clear the site of all scrap metal and debris related to the railroad ties within 120 days from the signature date of this report.

**CORRECTIVE ACTION DUE DATE:** 2/13/19

## OBSERVATIONS

The Colorado River Ranch Gravel 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. Pete Petersen was present during the inspection. The site was previously inspected by the Division on July 15, 2013.

The Colorado River Ranch Gravel Pit is located approximately 3 miles east of Kremmling, CO on State Highway 40. The Division approved an 110c to 112c permit conversion on June 9, 2000, increasing the permitted acreage from 7.8 to 37.6 acres. On May 2, 2013, the Division approved the Operator's request for intermittent status under TR-03.

The site was inactive during the inspection. The highwall in the north area was estimated at fifteen (15) in height at a 1H:1V slope. The mining in the eastern half of the north area has reached the stripped topsoil and overburden boundary. The Operator stated mining will continue to the northwest in the west portion of the north area, which has been stripped of topsoil and overburden in advance of mining. Material stockpiles were observed on the pit floor. A large stockpile of concrete railroad ties was located in the south mining area. The Operator allowed a contractor to stockpile the ties temporarily while the contractor processed the ties to separate the metal and concrete. In exchange, the Operator would be left with a recycled concrete stockpile. The contractor would remove the scrap metal from the site. The presence of off-site material is considered a liability by the Division due to the additional cost required for the Division to remove the stockpile in the event of a permit forfeiture. As cited as a problem, the Division will require the railroad ties to be removed from the site or processed into recycled concrete and the site cleared of all metal and debris related to the railroad ties within 120 days from the signature date of this report.

The Division GPS surveyed the highwall location and affected area with a Trimble Juno 3B. A map showing the results of the GPS survey and based on the observations from this inspection is attached. The GPS survey indicated a disturbance area of 19.5 acres. Based on the survey, the mining excavation is very close to encroaching onto the Bumgarner Ranch property in the southeast corner of the amendment area. The Division recommends the Operator mark an offset to the permit boundary in this location to prevent mining excavation from occurring outside the permitted boundary.

The approved post-mining land use is rangeland. No reclamation activity has occurred since the last inspection. The reclaimed slope in the southwest corner of the south pit appeared stable. A well-vegetated main topsoil stockpile was observed east of the access road. Additional topsoil stockpiles were observed along the north and south sides of the south area and along the east and west sides of the north area. All topsoil stockpiles appeared stable and no erosion was noted. Noxious weeds were not observed during the inspection. The Operator stated weed spraying was conducted this year.

The Division currently holds a financial warranty in the amount of \$20,500. The financial warranty has not been recalculated by the Division since 2000. The Division estimated the cost to reclaim the current disturbance area of 19.5 acres at \$43,100, an increase of \$22,600. A copy of the Division's estimate is attached for review. The Division will allow the Operator 30 days to review and comment on the 2018 estimate before issuing the notice of surety increase. The Operator will have 60 days from the date of the surety increase notice to post the additional financial warranty.

An entrance sign was posted and permit boundary markers were observed as required by Rule 3.1.12. Photographs taken during the inspection are attached.

**Inspection Contact Address**

Raymond Petersen  
Colorado River Ranch Gravel Pit  
P.O. Box 832  
Kremmling, CO 80459

Enclosure – 2018 Bond Estimate, Inspection Map

Ec: Michael Cunningham, DRMS

## PHOTOGRAPHS



Colorado River Ranch mine sign



View of north mine area from the south end of the main topsoil stockpile looking northeast





View of south mine area from the south end of the main topsoil stockpile looking east



View of south mine area from the east end of the site looking west





View of imported concrete railroad ties stockpile



View of the eastern portion of the north highwall from the east end of the highwall

## 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>PB</u>   | (RD) ROADS----- <u>Y</u>        |
| (HB) HYDROLOGIC BALANCE----- <u>Y</u>      | (BG) BACKFILL & GRADING----- <u>Y</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>N</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



# Colorado River Ranch

October 3, 2018 Inspection Map

## Legend

- Approx. Permit Boundary
- Approx. Railroad Tie Stockpile
- Clay Seam Area
- Colorado River Ranch
- Current Disturbance
- Excavation close to permit boundary
- Topsoil Stockpiles

Colorado River Ranch

Excavation close to permit boundary

Clay Seam Area

Google Earth

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N

1000 ft