


**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.

| | | | |
|---|--|--|-----------------------------|
| MINE NAME: St. Barbara Sand and Gravel Mine | MINE/PROSPECTING ID#: M-2004-013 | MINERAL: Sand and gravel | COUNTY: Pueblo |
| INSPECTION TYPE: Monitoring | INSPECTOR(S): Tyler V. O'Donnell | INSP. DATE: June 27, 2016 | INSP. TIME: 13:00 |
| OPERATOR: Pete Lien & Sons, Inc. | OPERATOR REPRESENTATIVE: | TYPE OF OPERATION: 112c - Construction Regular Operation | |
| REASON FOR INSPECTION: Normal I&E Program | BOND CALCULATION TYPE: Complete Bond | BOND AMOUNT: \$411,193.00 | |
| DATE OF COMPLAINT: NA | POST INSP. CONTACTS: None | JOINT INSP. AGENCY: None | |
| WEATHER: Clear | INSPECTOR'S SIGNATURE:  | SIGNATURE DATE: August 23, 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>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>Y</u> | (RV) REVEGETATION---- <u>Y</u> |
| (SM) SIGNS AND MARKERS----- <u>N</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>Y</u> | (RS) RECL PLAN/COMP-- <u>Y</u> |
| (AT) ACID OR TOXIC MATERIALS----- <u>Y</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

This normal routine monitoring inspection was conducted by Tyler O'Donnell of the Division of Reclamation, Mining and Safety (Division). Pete Lien & Sons, Inc. (Operator), was notified via telephone of the time and date of the inspection. The Operator could not have a representative present during the inspection.

The St. Barbara Sand and Gravel Mine is located in Pueblo County approximately 3 miles northwest of Avondale, Colorado. The St. Barbara Sand and Gravel Mine is a 364-acre 112 Construction Materials Reclamation Permit, with a max allowed disturbed acreage of 80 acres. The primary commodity mined at the site is sand and gravel. The 112c Construction Materials Reclamation Permit was issued in April 2005. The approved post-mining land use is wildlife Habitat. The mine site was surrounded by the following land uses: rangeland, mining, and rural residential.

No problems or possible violations were observed during the inspection. During the inspection, the sky was clear and the ground was dry. The site appears to see infrequent use. At the present time it appears that the mining operation has affected approximately 70 acres throughout the life of mine. All mining activity appeared to be within the approved affected land boundary. There appeared to be no significant impacts to the prevailing hydrologic balance. It appears that all most all of the storm water would be captured within the pit. There were several stockpiles of product scattered around the mine. The internal pit haul roads and the access road appeared to be stable. It appears that the mining operation was progressing to the south. There was no evidence of excessive erosion. A few live Tamarisk trees were observed throughout the site. It appears that the Operator has been treating the tamarisk, many dead standing tamarisk trees were observed throughout the site. The Operator is encouraged to continue to monitor and treat noxious weeds as the weeds appear within the permit boundary. A mine I.D. sign was located at the entrance to the mine site. The permit boundary was marked by t-posts and a barbed wire fence in a few areas. The approved permit has several mining setbacks, the Operator is encouraged to mark the required setbacks and verify that no mining related disturbances have taken place within the setbacks. The reclamation cost estimate for this site was updated during the file review for this inspection. It was determined that the current required financial warranty amount is adequate.

Inspection Contact Address

Clint Beck
Pete Lien & Sons, Inc.
P.O. Box 440
Rapid City, SD 57709

ec: Wally Erickson, DRMS
Elliott Russell, DRMS

PHOTOGRAPHS



