


**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> Nolte Pit #1	<b>MINE/PROSPECTING ID#:</b> M-2012-016	<b>MINERAL:</b> Borrow material for	<b>COUNTY:</b> Garfield
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy C. Yeldell	<b>INSP. DATE:</b> December 20, 2017	<b>INSP. TIME:</b> 14:30
<b>OPERATOR:</b> Puckett Land Company	<b>OPERATOR REPRESENTATIVE:</b> None	<b>TYPE OF OPERATION:</b> 111 - Construction by Government Agency	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$36,250.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> January 4, 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:** Sediment Control/Stormwater Management Plan

**PROBLEM/POSSIBLE VIOLATION:** Problem: The lack maintenance of stormwater features and prevention of excessive erosion as documented. Erosion gullies and ruts were observed on-site. This is a problem at this time for failure to protect the affected land from erosion pursuant to C.R.S. 34-32.5-116 (4) (j).

**CORRECTIVE ACTIONS:** The operator shall submit in the form of a Technical Revision (TR) a stormwater management plan to address excessive erosion which includes both a narrative, map and the required \$216 revision fee by the corrective action date. Additionally within 30 days of approval, the operator shall provide photo documentation to the Division verifying erosion gullies and ruts have been repaired, and that the site has have been reconstructed and stabilized to prevent erosion damage per the approved TR.

**CORRECTIVE ACTION DUE DATE:** 3/05/18

## **OBSERVATIONS**

This inspection was conducted as part of the Colorado Division of Reclamation, Mining and Safety (Division) normal monitoring program. The Nolte Pit #1 is a Special Operations 111c permitted site that includes a total of 22.34 permitted acres. This site is located approximately three quarters of a mile west of Parachute, Colorado in Garfield County and is accessed from Highway 6. The operator was not present for the inspection though they were notified ahead of time. Russ Means and Amy Yeldell of the Division conducted the inspection.

Mining was completed in the fall of 2012. As of the 2013 annual report the site is in final reclamation. To date several reclamation attempts have been made. The Division is unsure of the exact timing of the last reclamation effort but additional work has been done in the last year.

The mine identification sign and affected area boundary markers are in place and in compliance 3.1.12. A sign is posted at the natural gas pad entrance from Highway 6. The permit boundary is clearly delineated by wire fence and T-posts. No markers or other delineations of gas pad footprint within the mine site were observed (TR-2).

Drill marks were observed on the flat areas and seed was evident. The majority of the slopes that were previously terraced have been knocked down and roughened. The slopes were also sprayed with some sort of hydro material that appears to have seed in it. Of the areas that have been recently seeded the majority of it has very little observable new growth. Most of the newly established vegetation appears to be non-desirable annuals rather than what was seeded.

The areas to the south of the electrical lines continue to have adequate vegetation established. There is an increasing amount of thistle and the operator should treat it accordingly to prevent spreading and a delay of release. This area could be considered for a partial acreage release if the weeds are treated.

This site continues to have significant erosion issues. Erosion varies from small rills just developing to 2 foot plus deep gullies. This erosion is ongoing and likely not the result from one significant storm event. Stormwater run-on flow from above the site is inevitable and the lack of vegetation makes soils highly erodible. In some areas well designed and implemented storm water features as approved in the reclamation plan have greatly help control storm water flow, mitigate the effects of erosion, and reduce sedimentation until desirable vegetation establishes. This site would benefit from additional BMP's. The Division notes that a few new sediment basins and berms were constructed, their effectiveness was not evaluated. In the sediment traps small amounts of new vegetation were observed. However this beneficial vegetation is being choked out by sediment.

Stormwater management is cited as a problem within this report. The problem noted is due to the lack maintenance of stormwater features and prevention of excessive erosion as documented. The operator must submit a Technical Revision (TR) for a stormwater management plan to address excessive erosion and stormwater management which includes both a narrative, map and the required \$216 revision fee by the corrective action date. Additionally within 30 days of approval, the operator shall provide photo documentation to the Division verifying erosion gullies and ruts have been repaired, and that the site has have been reconstructed and stabilized to prevent erosion damage per the approved TR. The site cannot be

released until this issue is resolved.

The operator is reminded of the Divisions policy that reclamation needs a minimum of 2 growing seasons before it can be evaluated for release. This helps the Division ensure that vegetation is sustainable. In some cases vegetation may be deemed adequate sooner or in arid or challenging areas it may require more time.

Currently the Division holds a Financial Warranty in the amount of \$36,250 for this site.

At this time the Division finds this amount adequate to fulfill the reclamation requirements of the approved reclamation plan.

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

### **PHOTOGRAPHS**



















### **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>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>PB</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>PB</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</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

#### **Inspection Contact Address**

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Puckett Land Company  
P.O. Box 957  
Meeker, CO 81641

Enclosure

CC: Russ Means, Senior EPS, Grand Junction DRMS