




**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> Schumacher II	<b>MINE/PROSPECTING ID#:</b> M-2001-018	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> Logan
<b>INSPECTION TYPE:</b> Surety Release Inspection	<b>INSPECTOR(S):</b> Jared L. Ebert	<b>INSP. DATE:</b> June 11, 2018	<b>INSP. TIME:</b> 13:00
<b>OPERATOR:</b> Nienhueser Construction & Excavating Co	<b>OPERATOR REPRESENTATIVE:</b> None	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Surety Release Requested	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$16,470.90	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> June 25, 2018	

**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>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</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 an inspection of the Schumacher II Pit, DRMS File number M-2001-018 operated by Nienhueser Construction Excavating Co. (Operator), I, Jared Ebert with the Colorado Division of Reclamation, Mining and Safety (DRMS or Division) conducted the inspection. Mr. Keith Nienhueser was aware of the inspection but was unable to attend. The weather was clear and windy at the time of the inspection. The Operator has applied for a surety reduction request (SR01).

This is a 9.9 acre 110c operation. The approved post mine land use is rangeland.

### **Backfilling and Grading:**

The site consists of a surface excavation that daylight primarily to the south. The pit floor has a gentle slope that is graded to drain into the native channel. The Operator has graded to pit slopes to a 3H:1V angle. The slopes have been seeded and vegetation has begun to germinate within the affected area and the site is stable.

### **Financial Warranty:**

The Division conducted a monitoring inspection on December 15, 2016 and evaluated the reclamation liability at the site. Subsequently the Division required a surety increase and set the required warranty to \$16,470.90. Since then, the Operator has conducted reclamation at the site. Based on the observations made during this inspection the Division will approve the warranty reduction and reduce the required financial warranty to \$6,100.00. This is a reduction of \$10,370.90. The approval of the surety reduction will be addressed under a separate cover from the Division.

### **Gen. Compliance With Mine Plan:**

Mining is complete at the site and the area appears stable.

### **Roads:**

The portion of the access road required to be reclaimed appears to have been ripped and graded to blend in with the surrounding topography. The road has also been seeded and grass has begun to germinate. The former road area appears stable.

### **Reclamation Success:**

Mining is complete at the site and the area has been backfilled and graded to the minimum required slopes. The topsoil stockpile is no longer in place and it appears it has been spread for reclamation. The site has been seeded and grass has begun to establish at the site. Given these observations, the Division will approve the financial warranty reduction request to account for the grading and topsoil spreading conducted at the site. The Division will still need to hold a cost for revegetation of the affected land until the site is eligible for full site release.

### **Revegetation:**

The site has been seeded as seed drill rows were observed throughout the affected land. The primary species observed appears to be a species of annual barley grass. As this species is not included in the approved seed mixture, it is likely it was used as a cover crop. Other species observed at the site was western wheatgrass and buffalo grass. Other species on the approved seed mixture were not observed. The Operator will need to

review the approved seed mixture if they have not already done so, and insure it was used for reclamation. As the site was recently seeded the approved species may not have germinated yet.

Topsoil:

The topsoil stockpile appears to have been used for reclamation and vegetation has begun to establish over the area where the pile was located.

**PHOTOGRAPHS**



**Figure 1. From the access road into the site looking north.**



**Figure 2. From the southwest corner looking north.**





Figure 3. From the southern end of the pit looking north.



Figure 4. Near the center of the site looking south. Drainage established.



**Figure 5. From the western end of the site looking east.**

**Inspection Contact Address**

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Sidney, NE 69162

Enclosure: NA

CC: NA