




**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> Brock F. Bowles	<b>INSP. DATE:</b> May 14, 2019	<b>INSP. TIME:</b> 11:30
<b>OPERATOR:</b> Nienhueser Construction & Excavating Co	<b>OPERATOR REPRESENTATIVE:</b> Keith Nienhueser	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Surety Release Requested	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$6,100.00	
<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> May 23, 2019	

**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>N</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</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

## **OBSERVATIONS**

The Schumacher II Pit was inspected by Brock Bowles of the Division of Reclamation, Mining and Safety (Division) to evaluate the final performance warranty release request (SL-01) filed by the Operator on March 28, 2019. Mr. Keith Nienhueser (permittee) was present during the inspection. The site was previously inspected by the Division on June 11, 2018. No objections to the full reclamation responsibility release request were received by the Division.

The Schumacher Pit is a 110 construction materials site permitted for 9.9 acres. The approved post-mining land use is rangeland and the Division holds a financial warranty of \$6,100.00.

The Division will deny the final performance and financial warranties release request based on the observations from this inspection.

### **Backfilling and Grading:**

The pit slopes appear to be stable and there were no signs of erosion.

### **Roads:**

The access road appeared to be stable and there were no signs of erosion. The vegetation on the road area was planted in June 2017 according to Mr. Nienhueser. The vegetation looks good for two growing seasons old but it is not well established yet. There are some bare spots and each plant is still small in size and have not filled in between the drill seeder rows.

### **Reclamation Success:**

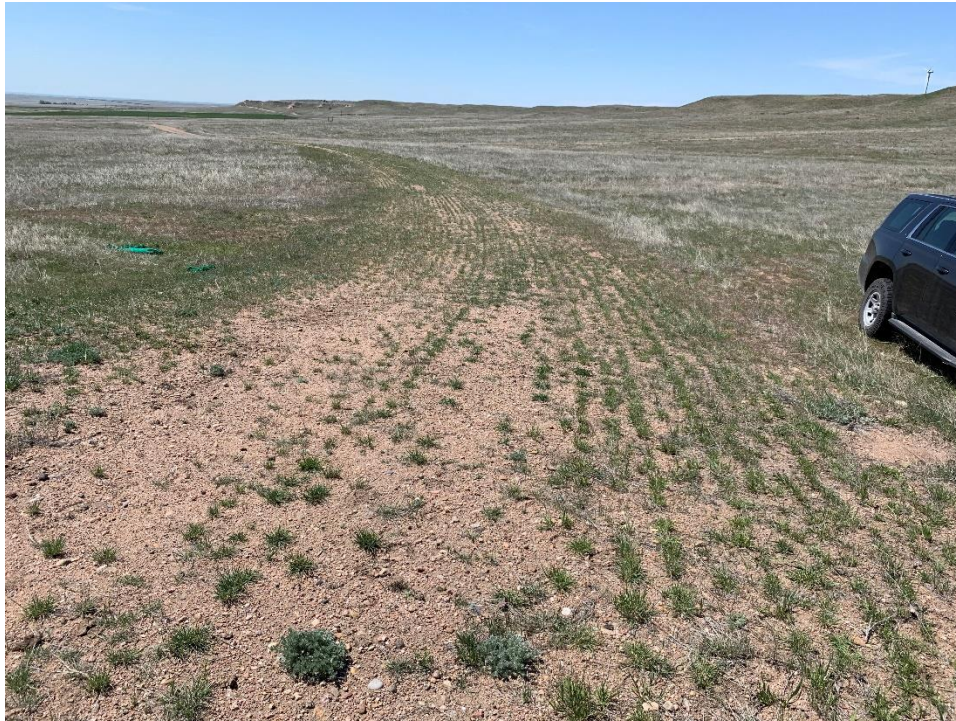
The pit area was fenced and the gate was closed upon arrival. The pit area was seeded in June 2017 according to Mr. Nienhueser. The vegetation is starting to look good for being two growing seasons old but it is not well established yet and the cover is not close to being equal in extent to the natural vegetation (Rule 3.1.10(1)). The planted grass plants were still pretty young and most did not have a seed head and therefore it was not easy to determine the species of grass. There are several bare spots especially where the straw mulch created a thick mat. The planted grasses are small and have not begun to fill in between the drill seeder rows. There were several small patches of musk thistle (Colorado listed noxious weed) that need to be treated.

The vegetation of the site needs to be increased, the bare areas need to be reseeded and the thistles need to be treated prior to release of the site.

### **Signs and Markers:**

An entrance sign was observed and the permit boundary markers were in place as required by Rule 3.1.12.

**PHOTOGRAPHS**



Access Road Looking West



Pit Bottom Looking Northeast





Musk Thistle Rosettes and Standing Dead



Mine Entrance Sign

**Inspection Contact Address**

Keith Nienhueser  
Nienhueser Construction & Excavating Co  
1243 RD 113  
Sidney, NE 69162

Enclosure

CC: Michael Cunningham