




**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> Nelson Pit	<b>MINE/PROSPECTING ID#:</b> M-1974-070	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Weld
<b>INSPECTION TYPE:</b> Surety Release Inspection	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> August 25, 2017	<b>INSP. TIME:</b> 09:00
<b>OPERATOR:</b> Lafarge West, Inc. c/o Lafarge North America	<b>OPERATOR REPRESENTATIVE:</b> Christine Felz	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Surety Release Requested	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$37,815.00	
<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> August 29, 2017	

**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>N</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>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>NA</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>N</u>	(RS) RECL PLAN/COMP-- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</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

The Nelson Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) to evaluate the final financial and performance warranty release request (SL-02) submitted by the Operator on July 17, 2017. The Division is required by Rule 4.17.2 to inspect the site to determine if the Permittee has complied with all applicable requirements. Mrs. Christine Felz with Lafarge West, Inc. and Mr. Todd Williams, landowner, were present during the inspection. The site was previously inspected by the Division on November 17, 2016.

**The Division will deny the final financial and performance release request (SL-02) due to the lack of well-established reclamation vegetation.**

The site was originally permitted for 365 acres. The Division has approved two (2) acreage reduction requests, which decreased the permit acreage to 44 acres. AR-01 was approved on September 6, 2006 and AR-02 was approved on July 12, 2010 for the release of 5 acres and 316 acres respectively. The remaining permitted acreage is divided into 3 areas. Area 1 is 1.5 acres in size and consists of the land between the 35.2 acre and 5.7 acre lakes (Lakes #7 and #8). Area 2 is 32.4 acres in size and consists of the area west of the access road and east of the 1.7 acre and 3.7 acre lakes (Lakes #5 and #6). Area 3 is 10.1 acres in size and consists of a "Y" shaped section of land in the southern portion of the site.

### Area 1

The area was stable and the vegetation was well established except for a patch of kochia at the west end of the area. The Division recommends continued monitoring and weed control measures to allow the existing reclamation grasses to out compete the kochia.

### Area 2

The area was inspected in three sections; south, middle and north. The vegetation in the south portion of the south area was well established with only a few patches of weeds. The vegetation in the middle portion of the area was dominated by kochia and other annual weeds. A strip of good vegetation was observed east of the road paralleling the road. The vegetation in the north portion of the area was dominated by kochia with only pockets of reclamation grasses observed. The Division recommends consulting with Arnold's Custom Seeding to develop a plan to establish the reclamation grass throughout the area.

### Area 3

The area was stable and no erosion features were observed. The vegetation in the area was dominated by kochia on both sides of the roads with the exception of the south lake shoreline. The Division recommends consulting with Arnold's Custom Seeding to develop a plan to establish the reclamation grass throughout the area.

The Operator stated a meeting with Arnold's Custom Seeding would be scheduled at the site to discuss the plan to revegetate the site. The Division currently holds a financial warranty in the amount of \$37,815, which appeared adequate to complete reclamation at the site. Photographs taken during the inspection are attached. The Division received comment letter from Weld County and the Division of Water Resources during the comment period. Copies of the letters are attached.

## PHOTOGRAPHS



Area 3 looking south along the east shoreline of the south lake



Area 3 looking west along the south shoreline of the north lake





Area 2 looking west at the south portion of the area



Area 2 looking north at the middle portion of the area





Area 2 looking south at the north portion of the area



Area 1 looking west from the east side of the area

**Inspection Contact Address**

Mrs. Christine Felz  
Lafarge West, Inc.  
1687 Cole Blvd., Suite 300  
Golden, CO 80401

Enclosures

Ec: Wally Erickson, DRMS