



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
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: Korinek #1 Pit	MINE/PROSPECTING ID#: M-1979-131	MINERAL: Sand and gravel	COUNTY: Crowley
INSPECTION TYPE: Monitoring	INSPECTOR(S): Tyler V. O'Donnell	INSP. DATE: November 26, 2013	INSP. TIME: 10:00
OPERATOR: Korinek Sand & Gravel	OPERATOR REPRESENTATIVE: Gerald Korinek	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$77,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: <i>Tyler O'Donnell</i>	SIGNATURE DATE: January 15, 2014

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>NA</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>Y</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	(ST) STIPULATIONS----- <u>NA</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 a normal routine monitoring inspection conducted by Tyler O'Donnell of the Division of Reclamation, Mining and Safety (Division/DRMS). Korinek Sand & Gravel, the Operator, was represented by Gerald Korinek during the inspection. The Korinek #1 Pit is located approximately 1.5 miles northeast of Manzanola, Colorado. The Korinek #1 Pit is permitted as a sand and gravel pit. The approved permit area is 45.2 acres. The approved primary post-mining land use is rangeland, with a small industrial/commercial area in the southeast corner of the permitted site.

The sky was clear. The ground was dry. The site was operational during the time of the inspection. The processing plant was operational as well. Mining activities were progressing northward. The operation is currently in phase 1 with small portions of phase 2 and 3 being mined. The Operator informed the Division that there may be a possible relocation of the County Lane 15. If County Lane 15 is rerouted differently than how it is proposed in the approved Conversion application (CN-01), then the Operator must submit a Technical Revision to update the Mining and Reclamation Plan Maps.

Backfilling and Grading:

The site currently has a highwall that is approximately 1500 to 2000 feet long with an average height between 15 and 20 feet. The highwall has an approximate slope of 0.5H:1V.

Financial Warranty:

The reclamation cost estimate for this pit was updated with this inspection. It was found that the current financial warranty amount of \$76,947.00 is adequate to cover the cost of reclamation.

Hydrologic Balance:

The pit excavation is located on a gravelly terrace north of the Arkansas River. The bottom of the pit was dry. There appeared to be no significant impacts to the prevailing hydrologic balance.

Gen. Compliance With Mine Plan:

The operation appeared to be following the approved mine plan. The approved mine plan has a maximum allowed disturbed area of 10 acres. The site has approximately 10 acres currently disturbed. The approved reclamation plan calls for slopes to be graded to 3H:1V or flatter. The reclamation plan also specifies 4 inches of topsoil is to be replaced and seeding is to be conducted with a mixture of grasses.

Roads:

The access road and county Lane 15 were both in good condition.

Recl Plan/Comp:

It appears the Operator is in the process of reclaiming two portions of the site totaling approximately 1.75 acres (see Figure # 1). Both areas have been graded to a slope of 3H:1V or flatter and have been seeded. The Operator indicated that they have had difficulty establishing vegetation, in both locations.

Revegetation:

There was some plant growth on the stockpiles and very little vegetation growth elsewhere in the disturbed area. The growth appeared to be volunteer vegetation, comprised of grasses and annual weeds. The topsoil stockpiles had very little vegetative cover. Please be advised that rule 3.1.9(1) states that if topsoil is not replaced into the backfill area within a time short enough to avoid deterioration of the topsoil, vegetative cover or other means shall be employed so that the topsoil is protected from erosion.

Erosion/Sedimentation:

There was no evidence of excessive erosion (rills, gullies, or sediment fans).

Signs and Markers:

A mine i.d. sign was posted at the entrance to the site. The permit boundary was clearly marked by t-posts.

Topsoil:

Topsoil was stockpile along the top of the Highwall. There appeared to be enough topsoil for the reclamation of the disturbed area.

Inspection Contact Address

Gerald Korinek
Korinek Sand & Gravel
640 Lane 15
Manzanula, CO 81058

Enclosure

CC: Tom Kaldenbach, DRMS

Korinek #1 Pit



Figure 1: Map of the Korinek #1 Pit, areas of ongoing reclamation circled in red (Colorado NAIP 2011 Imagae)

PHOTOGRAPHS



Photo 1: Processing plant with product stockpiles.

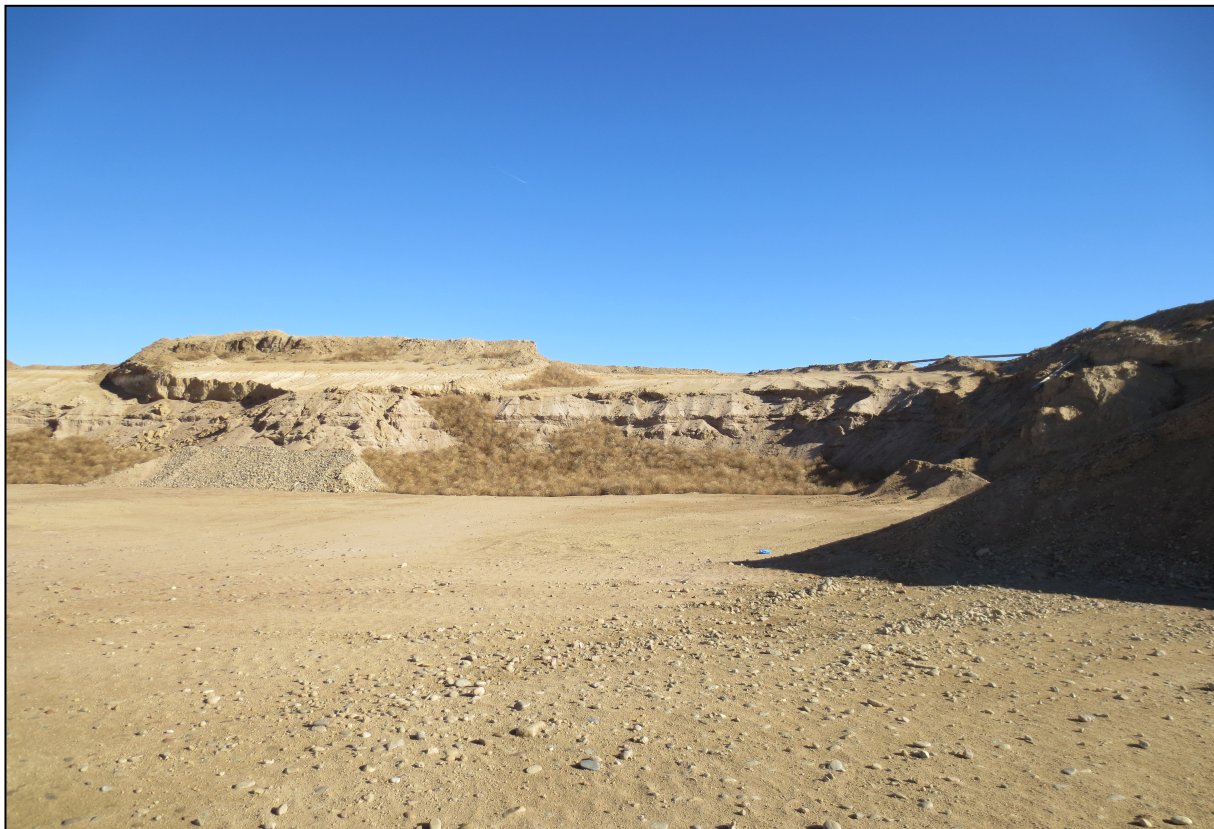


Photo 2: Highwall, topsoil stockpile circled in red.

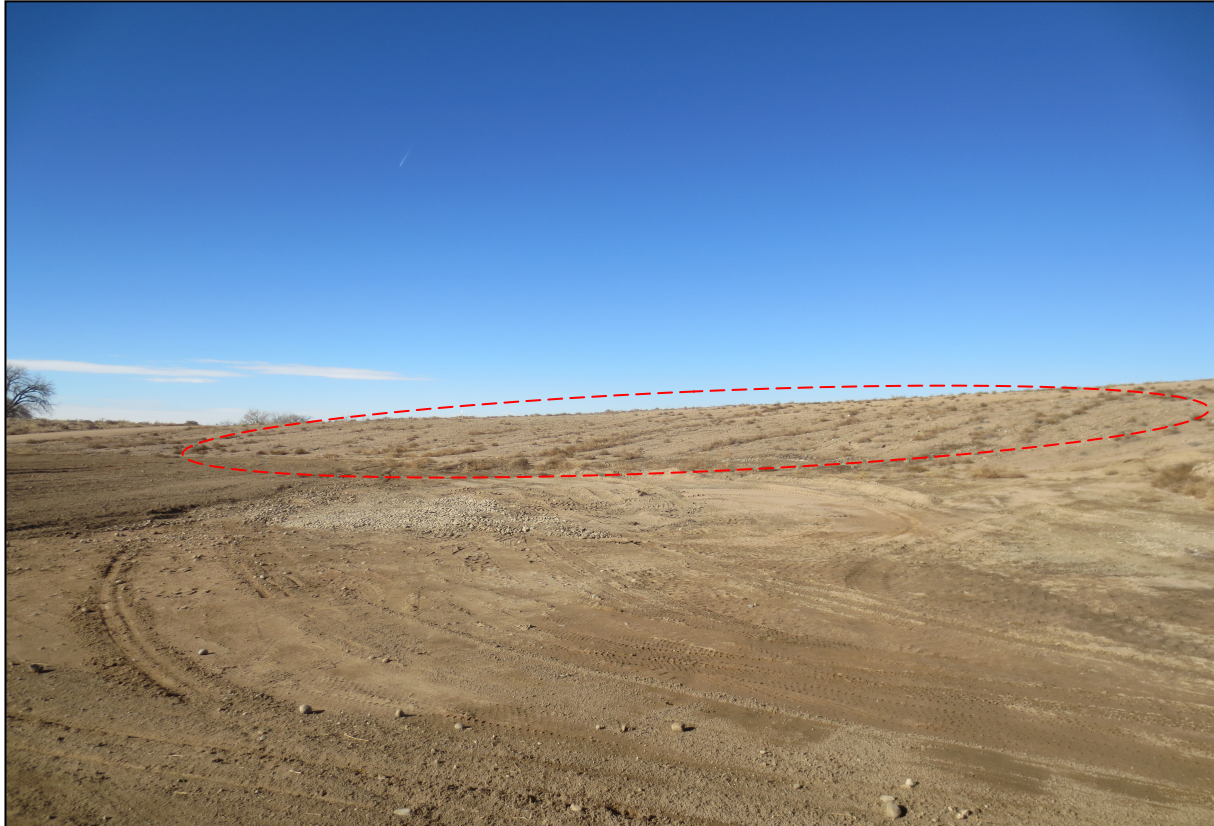


Photo 3: Southwest pit wall circled in red, reclamation ongoing progress.

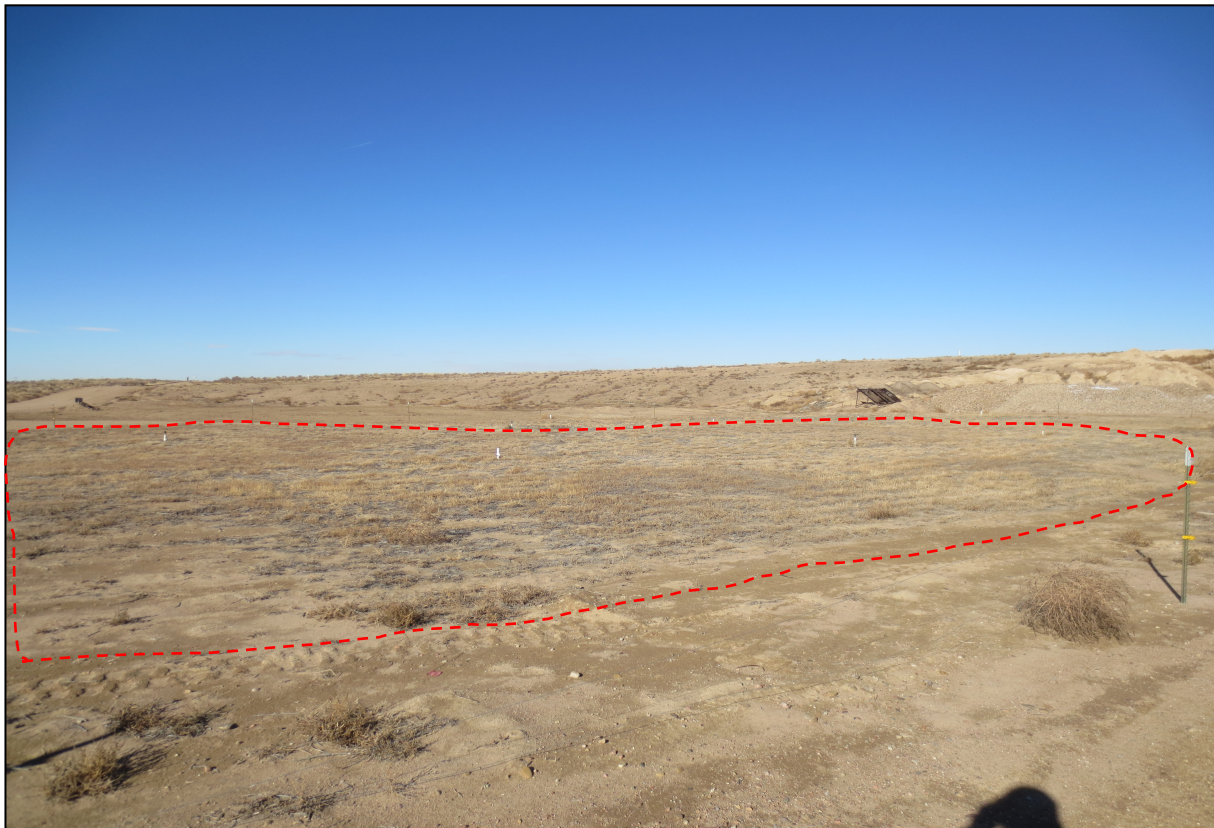


Photo 4: Pit floor, ongoing reclamation outlined in red.