



COLORADO


Division of Reclamation,
Mining and Safety

Department of Natural Resources

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: Harmony Gardens Site	MINE/PROSPECTING ID#: M-2017-021	MINERAL: Sand and gravel	COUNTY: Weld
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Peter S. Hays	INSP. DATE: July 7, 2017	INSP. TIME: 09:00
OPERATOR: Connell Resources, Inc.	OPERATOR REPRESENTATIVE: John Warren, Kevin Anderson	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Pre-Operation Inspection	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 12, 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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</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>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>N</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

This was a pre-operational inspection of the Harmony Gardens Site conducted by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS). Mr. John Warren and Mr. Kevin Anderson with Connell Resources, Inc. and Mr. Bill Schenderlein with Blue Earth Solutions, LLC were present during the inspection.

The 110 limited impact construction materials permit application was received by the Division on May 17, 2017. The application was deemed complete on June 13, 2017. The Applicant published public notice as required by Rule 1.6.2(d) on June 20, 2017. The public comment period for the newspaper publication ended on June 30, 2017. No objections were received by the Division during the public comment period. The decision due date for the conversion application is July 12, 2017.

The application proposes a 9.9 acre site divided into 2 mining phases with a total disturbance area of 7.7 acres. The Applicant anticipates the mining and reclamation of the site to occur in four (4) months. The sand and gravel deposit is estimated at 10 feet below the existing grade. The topsoil depth is estimated at less than 4 inches. Topsoil and overburden will be stripped and stockpiled separately prior to mining activities. The two (2) mining phases are separated by the Sinclair pipeline which bisects the site. The site is planned to be mined with a 20 foot offset from the permit boundary at 0.5H:1V slopes. Reclamation will be concurrent and 3H:1V slopes will be created by backfilling the mine highwalls with overburden. Topsoil is planned to be replaced at a depth of two (2) inches on the pit floor and four (4) inches on the pit slopes.

An entrance sign was not posted and permit boundary markers were not observed as required by Rule 3.1.12. The Applicant was aware of the requirement to post a sign and install permanent markers prior to starting the mining operation. Survey stakes delineating the proposed mining limit were observed during the inspection. All permanent man-made structures within 200 feet of the proposed affected area appear to have been identified by the Applicant.

The site vegetation was dominated by annual and noxious weeds with some rangeland grasses. Downy Brome (cheat grass) and field bindweed, Class C noxious weeds, and Canadian Thistle, a Class B noxious weed, were observed though out the proposed mine site area. The Operator included a weed control management plan as part of the application. The native grasses consisted of intermediate wheatgrass and other wheatgrass varieties.

A copy of the Office of Archaeology and Historic Preservation comment letter received by the Division on July 3, 2017 has hand delivered to the Applicant during the inspection.

The Phase 1 and 2 mining limit survey markers were GPS surveyed by the Division using a Trimble Juno 3B. The survey indicated the mining limit at 8.86 acres.

Photographs taken during the inspection and the inspection map are attached. The Division sent an application adequacy letter on July 3, 2017. The Applicant submitted a response to the adequacy review on July 6, 2017. A copy of the City of Greeley structure agreement for the waterlines located north of the proposed mining area was received by the Division by email on July 10, 2017.

PHOTOGRAPHS



View of access road south of CR 74



View of Phase 2 from NW corner looking south



View of Phase 2 from NE corner looking south



View of Phase 2 from SE corner looking west

Inspection Contact Address

Mr. Kevin Anderson
Connell Resources, Inc.
7785 Highland Meadows Parkway
Fort Collins, CO 80528

Enclosure – Inspection Map

Ec: Wally Erickson, DRMS