


**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: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: January 17, 2018	INSP. TIME: 10:00
OPERATOR: Connell Resources, Inc.	OPERATOR REPRESENTATIVE: Kevin Anderson, Bill Schenderlein	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$51,335.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 18, 2018

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Availability Of Records

PROBLEM: Problem: The Operator committed to providing the Division with a copy of the approved APEN permit for the site during the permit application review. The Division has not received a copy of the approved APEN permit as of the inspection date.

CORRECTIVE ACTIONS: The Operator must submit a copy of the approved APEN permit for the site by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/19/18

INSPECTION TOPIC: Availability Of Records

PROBLEM: Problem: The Operator committed to providing the Division with a copy of the approved CDPHE Discharge Permit Systems Permit (CDPS) for the site during the permit application review. The Division has not received a copy of the approved CDPS permit as of the inspection date.

CORRECTIVE ACTIONS: The Operator must submit a copy of the approved CDPS permit for the site by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/19/18

OBSERVATIONS

The Harmony Gardens Site was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. Mr. Kevin Anderson with Connell Resources, Inc. and Mr. Bill Schenderlein with Blue Earth Solutions, LLC were present during the inspection. The site was previously inspected by the Division on July 7, 2017 for the pre-operational inspection. This is the first inspection of the site while the site is active.

The site is permitted for 9.9 acres divided into 2 mining phases with a total mining disturbance area of 7.7 acres. Mining activities are complete at the site with the exception of the southern boundaries of Mine Phases 1 and 2. The Operator is approved to mine within 20 feet of the permit boundary in both phases. The Operator stated they would like to mine through the southern boundary of both phases to daylight the phases into the adjoining Harmony Windsor Site. The Division will require the Operator to submit a technical revision to revise the mining offset and update the Mining and Reclamation Plans and Maps pursuant to Rule 1.9 prior to daylighting the southern boundaries of the phases. The maximum mining depth is approved for 10 feet below grade. The Division estimated the maximum mined depth in both phases at 5 to 6 feet below grade.

The required mine sign was observed and the boundaries of the affected land were delineated as required by Rule 3.1.12. The Division currently holds a financial warranty in the amount of \$51,335.00, which appears adequate to complete reclamation at the site.

The approved post mining land use is general agriculture. The north, east and west slopes of Phase 1 were regraded to the approved final 3H:1V slopes and topsoil was placed on the pit floor and regraded slopes. The north slope of Phase 2 has been regraded to the approved final 3H:1V slope. The remaining Phase 2 slopes were vertical highwalls. The Operator stated material from the adjacent Harmony Windsor Site would be used to backfill the highwalls to the approved 3H:1V slopes. The Division will require the Operator to submit an inert fill notice pursuant to Rule 3.1.5(9) prior to importing material to reclaim the Phase 2 highwalls.

As cited as problems requiring corrective action on Page 1, the Operator committed to providing the Division with copies of the approved APEN and CDPHE Discharge Permit Systems Permit (CDPS) for the site. The Division has not received copies the permits as of the date of the inspection. The Operator stated during the inspection an APEN permit was not required for the site since all material was transported off site to the Connell processing facility located near I-25 west of the mine site. The Division will require the Operator to justify the lack of APEN permit and request the commitment be removed from the permit file. The Operator stated a CDPS permit was obtained for the site and a copy would be provided to the Division.

Photographs taken during the inspection are attached.

Inspection Contact Address

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

Ec: Wally Erickson, DRMS

PHOTOGRAPHS



Harmony Gardens Site mine sign



View of Phase 2 east highwall from the NE corner of the phase looking south



View of Phase 2 north slope from the NE corner of the phase looking west



View of Phase 1 east slope from the SE corner of the phase looking north



View of Phase 1 from the SE corner of the phase looking northwest



View of Phase 1 west slope from the SW corner of the phase looking north

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- PB	(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>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>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</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