




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety 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: Arnold Pit No. 1	MINE/PROSPECTING ID#: M-2016-022	MINERAL: Borrow material	COUNTY: Weld
INSPECTION TYPE: Pre-Operation Inspection	INSPECTOR(S): Peter S. Hays	INSP. DATE: April 23, 2019	INSP. TIME: 11:00
OPERATOR: Arnolds Custom Seeding, LLC	OPERATOR REPRESENTATIVE: Doug Cook	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Pre-Operation Inspection	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$11,675.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 9, 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>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>	(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 / 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 Arnold Pit No. 1 conducted by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) for conversion application no. 1 (CN-01). Mr. Doug Cook with Arnold's Custom Seeding was notified of the inspection, but was not present during the inspection.

The 110 to 112 construction materials permit conversion application (CN-01) was received by the Division on April 25, 2019. The application was deemed incomplete by the Division on May 3, 2019. The incompleteness response date is July 2, 2019.

The permit conversion application proposes to add 150.01 acres to the existing 9.99 acres site for a 160.0 total permitted acreage site. The Operator intends to mine 310,000 tons of topsoil from the conversion area. The proposed Mining Plan states the upper 4 inches of topsoil would be stripped and stockpiled for reclamation using a dozer. The remaining 8 inches of topsoil would be stripped and stockpiled using a dozer and front end loader. The stockpiled topsoil would be loaded into trucks and hauled off site. The upper 4 inches of topsoil would be replace during site reclamation. The Mining Plan is the same as the approved plan for the 110 permit.

The mine site is expected to operate year-round with excavation occurring 2-3 days per week and hauling occurring the remainder of the week. The proposed post-mining land use is cropland, which is the current land use. The proposed Reclamation Plan states the site will be regraded to approximate pre-disturbance contours. Prior to topsoil replacement the subsurface soil will be deep ripped to a minimum depth of 16 inches to reduce soil compaction and improve drainage. The reapplied topsoil will incorporate any landowner requested soil amendments to improve the soil's physical and chemical characteristics and to supplement any soil nutrient deficiencies. The site will be tilled to a depth of 4-6 inches to incorporate the soil amendments and create a seedbed. The site will be revegetated with a crop if reclamation occurs during a planting season or a cover crop will be seeded if establishment of a crop will not occur within 45 days or less of reclamation activities. No groundwater will be encountered during the mining operation. All land contained in the current and conversion areas is owned by Richard Huwa.

The conversion area was observed during the inspection. The conversion area consisted of cropland, which is consistent with the description of the land use in the conversion application. The Division observed structures within 200 feet of the proposed affected boundary which were not identified by the Applicant on Figure C-3. The unidentified structures include; overhead power lines along the eastern and southern permit boundaries, a water well in the southwest corner of the conversion area and a waterline which appears to be located south of CR 16 within the permit boundary. The Division will address these items as part of the adequacy review of the conversion application once it is considered complete and filed by the Division.

Photographs taken during the inspection and an inspection map are attached.

PHOTOGRAPHS



View of conversion area from the northeast corner looking south



View of conversion area from the northeast corner looking southwest



View of conversion area from the northeast corner looking west



View of conversion area from the northwest corner looking east



View of conversion area from the northwest corner looking southeast



View of conversion area from the northwest corner looking south



View of conversion area from the southwest corner looking north



View of conversion area from the southwest corner looking northeast



View of conversion area from the southwest corner looking east

Inspection Contact Address

Doug Cook
Arnolds Custom Seeding, LLC
4626 CR 65
Keenesburg, CO 80643

Enclosure – Inspection Map

Ec: Michael Cunningham, DRMS