




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: Deterding Pit	MINE/PROSPECTING ID#: M-2011-006	MINERAL: Sand and gravel	COUNTY: Yuma
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott R. Russell	INSP. DATE: July 9, 2015	INSP. TIME: 12:00
OPERATOR: Yuma County	OPERATOR REPRESENTATIVE: Matt Martin	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: NA
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 6, 2016

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.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>NA</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>PB</u>	(SW) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) SEDIMENT CONTROL----- <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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

PROBLEMS/POSSIBLE VIOLATIONS

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The mine identification sign was not posted correctly at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1).

CORRECTIVE ACTIONS: The operator shall correct the permit number on the mine identification sign at the western entrance. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/5/16

OBSERVATIONS

The Division of Reclamation, Mining and Safety (Division/DRMS) conducted an inspection of the Deterding Pit (Permit File No. M-2011-006), a Construction Material Regular 112c Operation Reclamation Permit with 56.7 permitted acres and an approved post mining land use is Rangeland. The mine is located approximately 6 miles west-northwest of Wray, Colorado. Elliott Russell, with the Division, inspected the site. Wally Erickson, also with the Division, accompanied the inspection. Matt Martin represented the Operator and accompanied the inspection. This inspection was carried out as a part of the Division's normal monitoring program.

At 1200 hours, the Division met Mr. Martin at the mine site, located one half mile west of County Road CC on the south side of State Highway 34. At the time of the inspection the temperature was warm, the sky was overcast, and the ground was dry. The site had two mine site identification signs, one at the western entrance and the other at the eastern entrance. Unlike the eastern permit sign, the western permit sign was not in compliance with Rule 3.1.12(1). This has been cited as problem #1 requiring the Operator to correct the permit number on the western sign (please see problems/possible violation section of this report for more information on this problem and its corrective action). The permit boundary was delineated by t-posts. The site was not currently being mined at the time of the inspection, but there was evidence of recent mining activity; a front-end loader and bulldozer was observed on-site.

The site consists of two mining areas split by a small drainage that runs to the south. Mining has concluded on the eastern side, so active mining operations were occurring just west of the drainage. Mr. Martin indicated that the county was going to advance the mine to the west once material is depleted in the active area. Topsoil had been stripped and piled along the southern permit boundary as well as a small amount along the western half of the northern boundary. It appeared that topsoil had been stripped and piled by scrapers in the past, but active stripping was being done by a bulldozer. There was some confusion on what stockpiles were topsoil versus overburden; the Operator was reminded that these need to be kept separate and that they have specific reclamation purposes. The Division observed kochia growing on the topsoil stockpiles. Please note that if stockpile remain for longer than one growing season, they will need to be seeded to prevent erosion and weeds from establishing on them. The Division recommends using the permits approved reclamation seed mixture for this in order to build up a potential seed base in the topsoil. Over compaction of these topsoil stockpiles may hinder the ability for appropriate vegetation to establish.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8132**, or by email at elliott.russell@state.co.us.

PHOTOGRAPHS



Permit identification signs at each entrance, western (right picture) has incorrect permit number; looking south.



Overview of the active area; looking southeast.



Topsoil being pushed up the southern permit boundary (approximated by the dashed yellow line); looking east.



Stockpile of topsoil or overburden along northern boundary; looking east.



Southwest boundary marker, topsoil stockpile on the inside; looking east.

Inspection Contact Address

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CC: Wally Erickson; DRMS