



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: O'Dwyer	MINE/PROSPECTING ID#: M-2002-017	MINERAL: Sand and gravel	COUNTY: Lincoln
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: July 23, 2015	INSP. TIME: 12:15
OPERATOR: Lincoln County	OPERATOR REPRESENTATIVE: John DeWitt	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: <i>Amy Eschberger</i>	SIGNATURE DATE: August 10, 2015

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>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>Y</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</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>Y</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>Y</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 monitoring inspection of the O'Dwyer pit (Permit No. M-2002-017) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. John DeWitt represented the operator, Lincoln County for the inspection. The site is located approximately 15 miles northeast of Limon, CO, on land owned by Teresa O'Dwyer. Access to the site is from the south off of Co Rd 3t. The approved post-mining land use is rangeland.

This is a 110c in-stream mining operation permitted for 9.3 acres to mine sand and gravel from the Arikaree River bed for use in county road construction and maintenance (see enclosed Google Earth image of site). The maximum mining depth is approximately 5-6 feet. The operation excavates material from the dry riverbed, and then allows it to replenish during heavy rain events. The river is dry throughout most of the year, but flows east when carrying water. Pre-law mining occurred at this site by the Colorado Department of Transportation (CDOT). CDOT left two topsoil/overburden stockpiles that the current operation will use for reclamation. Mining began in the eastern portion of the site, and continued westward. Material is pushed up the south bank and stored in a loading area in the southern portion of the permit area. The haul road that enters the pit from the southeast will not be reclaimed.

A Technical Revision (TR-03) was approved by the Division on 04/23/2015 to update the mining plan map and reclamation plan map for this site to more accurately define the permit boundary with GPS coordinates. This is part of the county's ongoing efforts to provide the Division with more accurate permit boundary maps for their permitted sites, particularly the older permits for which the Division typically has very poor maps on file.

At the time of the inspection, the weather was clear, warm and sunny. A permit sign was posted at the main entrance to the site off of Co Rd 3t (**Photo 1**). The permit boundary was clearly delineated with metal stakes (**Photo 2**). The site was not active during the inspection, and no equipment was present on site. However, the county extracts and/or hauls material off site every year, which is in compliance with its intermittent status. The river was dry except for in the eastern portion of the site where some water had pooled from a recent storm event (**Photo 3**). A material stockpile was stored along the south bank of the river and appeared to be stable (**Photo 4**). A topsoil and an overburden stockpile were stored in the southern portion of the site, and appeared to be stable with some vegetative cover (**Photo 5**). Native grasses and forbs have volunteered across most of the site, including the riverbed (**Photos 6-8**). The riverbed and banks appeared to be stable (**Photos 9 and 10**; also shown in **Photos 6-8**). No problems with state-listed noxious weeds were observed.

The approved reclamation plan for this site includes removing all stockpiles, grading all slopes to 3H:1V or flatter, replacing a minimum depth of 6 inches of topsoil on disturbed portions of the river banks and disturbed areas outside of the riverbed, and revegetating the site using a rangeland seed mixture recommended by the Natural Resources Conservation Service.

No problems were observed during the inspection.

PHOTOGRAPHS



Photo 1. View of permit sign posted at main site entrance off of Co Rd 3t.



Photo 2. View looking north from southeastern corner permit boundary marker.



Photo 3. View looking west from eastern edge of site, showing some water pooled in riverbed from recent rain event.



Photo 4. View looking up from riverbed at material stockpile pushed onto south river bank.

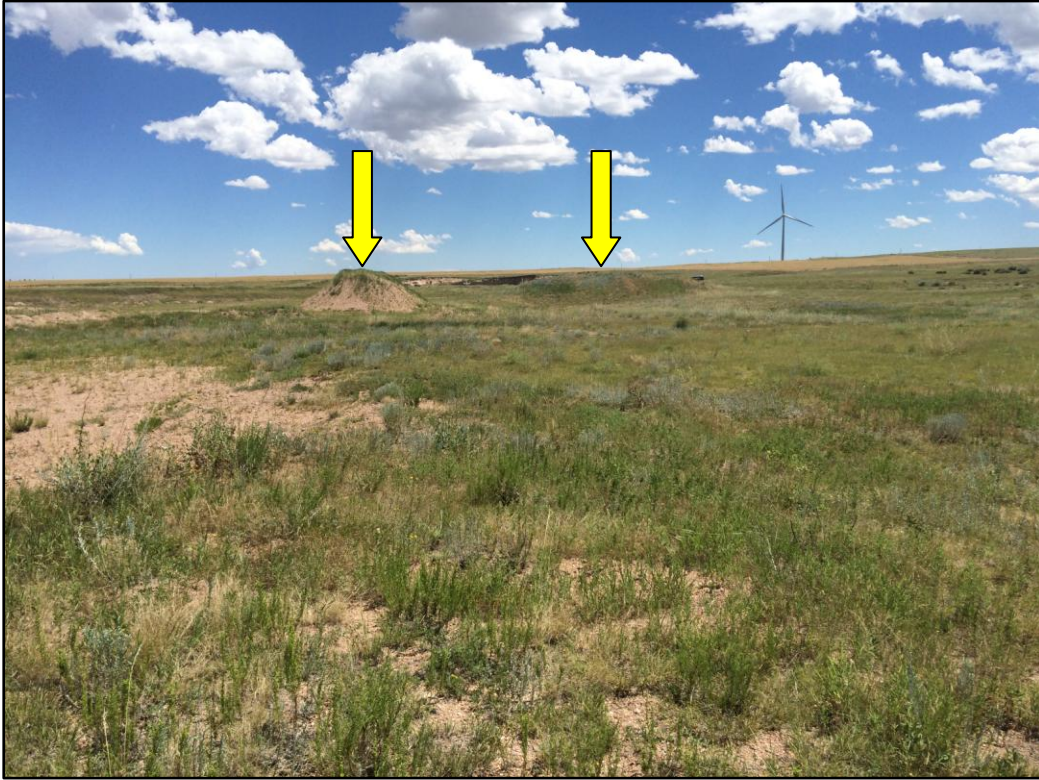


Photo 5. View looking east across loading area in southern portion of site, showing overburden and topsoil stockpiles stable with vegetative cover (indicated).



Photo 6. View looking northwest across riverbed from eastern portion of site, showing native grasses and forbs volunteering across site.



Photo 7. View looking northeast across riverbed from eastern portion of site, showing native grasses and forbs volunteering across site.



Photo 8. View looking north across riverbed from central portion of site, showing native grasses and forbs volunteering across site.



Photo 9. View looking northeast (downstream) from western edge of site, showing riverbed and banks appear to be stable inside permit area.



Photo 10. View looking south (upstream) from western edge of site, showing riverbed and banks appear to be stable outside of permit area.

Inspection Contact Address

John DeWitt
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P.O. Box 39
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Enclosure(s): Google Earth image of site

CC: Wally Erickson, DRMS

M-2002-017 / O'Dwyer Pit / Lincoln County

Red Line = 9.3 acres = Approved Permit Area



M2002-017



400 ft