



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: Gravel Pit No 7	MINE/PROSPECTING ID#: M-1977-484	MINERAL: Sand and gravel	COUNTY: Baca
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: November 19, 2014	INSP. TIME: 13:00
OPERATOR: Robins Redi Mix, LLC	OPERATOR REPRESENTATIVE: James Adams and Kurt Eskew	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete	BOND AMOUNT: \$24,570.70
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: <i>Amy Eschberger</i>	SIGNATURE DATE: June 3, 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>Y</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>Y</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 Gravel Pit No 7 (Permit No. M-1977-484) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). The permittee, Mr. Rodney Robins was notified of the inspection, but was unable to attend. Mr. James Adams and Mr. Kurt Eskew of Baca County District #3 were present for the inspection. The site is primarily operated by Baca County although the permit was transferred to Robins Redi Mix, LLC with the approval of a Succession of Operators (SO-01) on 09/19/2011. The site is located approximately 9.5 miles west of Springfield, Colorado, in Baca County, on land owned by C.F. & R.M. Cooper Trust. The site can be accessed from the east by a gated entrance off of Co Rd 18. Much of the haul road used by the operation was an existing ranch road which will remain after reclamation. The approved post-mining land use for this site is rangeland.

This is a 112c operation permitted for 160 acres to mine sand and gravel to a maximum depth of 40 feet for use in road construction and maintenance. Mining began in the western portion of the site and is commencing in a northward and northeastward direction. The maximum allowed disturbed acreage at any time is 20 acres. This mine operates intermittently, as approved in Technical Revision No. 3 (TR-03) on 04/12/2013.

At the time of the inspection, the weather was clear and some portions of the ground were still covered in snow. A permit sign was posted at the main entrance to the site off of Co Rd 18 (Photo 1). The permit boundary was delineated by property fencelines. However, only some boundary markers were in place to delineate the maximum allowed disturbed area. Pursuant to Rule 3.1.12(2), the boundaries of the affected area shall be marked by monuments or other markers that are clearly visible and adequate to delineate such boundaries. For 112c operations such as this one, the affected area is the area proposed to be disturbed by mining operations for which a Financial Warranty has been posted. Therefore, the operator will need to make sure that the maximum allowed disturbed area of 20 acres is adequately delineated. This will also help mine staff to keep disturbance under the approved maximum acreage as the operation continues. As discussed with the County representatives during the inspection, the maximum allowed disturbed acreage can be changed at any time by submitting a Technical Revision (see enclosed form).

The site was inactive during the inspection. However, material processing equipment (Photo 2) and a few trucks were present on the pit floor. The operator has excavated a pit approximately 30-35 feet deep (Photos 3). The mined slopes are pushed to a gradient of 3H:1V (Photo 4; also see Photo 3). The slopes appeared stable; however, some rilling was observed mainly along the northern pit wall (Photo 5; also see Photo 3). The operator should work to monitor and repair erosional damage as needed pursuant to C.R.S. 34-32.5-116(4)(j), which requires that all surface areas of the affected land be stabilized and protected so as to effectively control erosion.

A portion of the southwestern pit wall, approximately 450 feet in length, was graded to slopes of 2H:1V (Photo 6; also see enclosed Google Earth image). The financial warranty currently held for this site includes costs for grading this slope to the approved 3H:1V gradient. Mined material is stockpiled on the pit floor (Photo 7). Salvaged topsoil is stockpiled in berms around the top edges of the pit and they appear to be stable (see Photos 3 and 4). A waste rock stockpile containing up to boulder sized rocks is present in the southwestern portion of the site, adjacent to the pit haul road (Photo 8). This stockpile appears to be stable; however, before the site can be released, this material will need to either be used for backfilling the pit or be graded to slopes of 3H:1V or flatter and revegetated.

The Division estimates current disturbance at this site to be approximately 14.5 acres, which is in compliance with the approved maximum allowed disturbance. Of the 14.5 acres, approximately 1.10 acres are in reclamation. The financial warranty for this permit was last updated in late 2011 when the permit was transferred to the current permittee. The Division has determined that the currently held financial warranty of \$24,570.70 is adequate for reclamation of the site. However, if additional land is disturbed without the concurrent reclamation of previously disturbed areas, additional financial warranty may be required.

PHOTOGRAPHS



Photo 1. View of permit sign posted at main entrance to site off of Co Rd 18.



Photo 2. View of processing equipment present on pit floor.



Photo 3. View looking north into mined pit from top of southern pit wall. Note mined slopes kept at 3H:1V gradient or flatter, and topsoil stockpiled in berms around edges of pit (indicated).



Photo 4. View looking northeast from top of southern pit wall, showing mined slopes kept at 3H:1V gradient or flatter. Note topsoil stockpiled in berms around edges of pit.

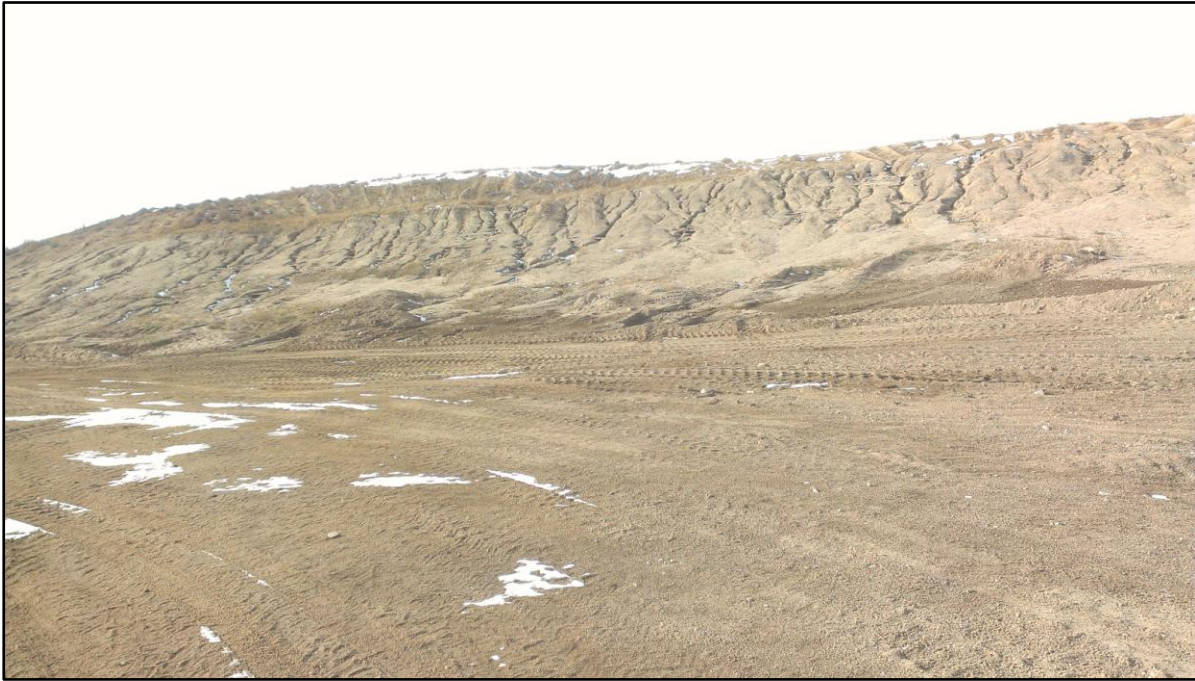


Photo 5. View looking northwest from pit floor, showing some rilling that has developed along the northwestern mined wall.



Photo 6. View looking west from haul road, showing portion of southwestern pit wall graded to approximately 2H:1V. This wall will need to be graded to 3H:1V or flatter before final release.



Photo 7. View looking east into pit from haul road, showing one of material stockpiles stored on pit floor (indicated).



Photo 8. View looking west from haul road, showing portion of waste rock stockpile (indicated) that will need to be used for final reclamation or graded to 3H:1V or flatter before final release.

Inspection Contact Address

Rodney Robins
Robins Redi Mix, LLC
1269 Colorado Street
Springfield, CO 81073

Enclosure(s): Technical Revision form
Google Earth image of permit area with Division markings

CC: Wally Erickson, DRMS

Attn: Cindy Parsons, County Administrator
(James Adams and Kurt Eskew)
741 Main Street, Suite 1
Springfield, CO 81073



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY

1313 Sherman Street, Room 215, Denver, Colorado 80203 ph(303) 866-3567

REQUEST FOR TECHNICAL REVISION (TR) COVER SHEET

File No.: M- _____ Site Name: _____

County _____ TR# _____ (DRMS Use only)

Permittee: _____

Operator (If Other than Permittee): _____

Permittee Representative: _____

Please provide a brief description of the proposed revision: _____

As defined by the Minerals Rules, a Technical Revision (TR) is: “a change in the permit or application which does not have more than a minor effect upon the approved or proposed Reclamation or Environmental Protection Plan.” The Division is charged with determining if the revision as submitted meets this definition. If the Division determines that the proposed revision is beyond the scope of a TR, the Division may require the submittal of a permit amendment to make the required or desired changes to the permit.

The request for a TR is not considered “filed for review” until the appropriate fee is received by the Division (as listed below by permit type). Please submit the appropriate fee with your request to expedite the review process. After the TR is submitted with the appropriate fee, the Division will determine if it is approvable within 30 days. If the Division requires additional information to approve a TR, you will be notified of specific deficiencies that will need to be addressed. If at the end of the 30 day review period there are still outstanding deficiencies, the Division must deny the TR unless the permittee requests additional time, in writing, to provide the required information.

There is no pre-defined format for the submittal of a TR; however, it is up to the permittee to provide sufficient information to the Division to approve the TR request, including updated mining and reclamation plan maps that accurately depict the changes proposed in the requested TR.

Required Fees for Technical Revision by Permit Type - Please mark the correct fee and submit it with your request for a Technical Revision.

<u>Permit Type</u>	<u>Required TR Fee</u>	<u>Submitted</u> (mark only one)
110c, 111, 112 construction materials, and 112 quarries	\$216	<input type="checkbox"/>
112 hard rock (not DMO)	\$175	<input type="checkbox"/>
110d, 112d(1, 2 or 3)	\$1006	<input type="checkbox"/>

M1977-484 / Gravel Pit No 7 / Robins Redi Mix, LLC

Red Line = 160 acres = approved permit area

Blue Line = 14.5 acres = disturbed area (as of 11/19/14 inspection)

Green Line = 1.10 acres (total) = areas in reclamation

Yellow Line = 450 feet L = 2H:1V slope gradient



M1977-484