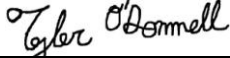




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

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.

<b>MINE NAME:</b> Crowley Cnty Grav 2	<b>MINE/PROSPECTING ID#:</b> M-1982-126	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Crowley
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Tyler V. O'Donnell	<b>INSP. DATE:</b> November 26, 2013	<b>INSP. TIME:</b> 12:00
<b>OPERATOR:</b> Crowley County	<b>OPERATOR REPRESENTATIVE:</b> David Ragsdale	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> January 17, 2014

**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>NA</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>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</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>NA</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 routine monitoring inspection conducted by Tyler O'Donnell of the Division of Reclamation, Mining and Safety (Division/DRMS). Crowley County, the Operator, was represented by David Ragsdale during the inspection. The Crowley County Gravel Pit #2 is located approximately 2 miles southeast of Olney Springs, Colorado. The Crowley County Gravel Pit #2 is permitted as a sand and gravel pit. The approved permit area is 30 acres. The approved post-mining land use is rangeland.

The sky was clear. The ground was dry. The site was not operational during the inspection. There was a processing plant and a bull dozer on site during the inspection. Mining activities were progressing northeastward. No problems or violations were observed during the inspection.

### **Backfilling and Grading:**

The Operator is currently in the process of grading the western pit wall, slopes were observed at approximately 2H:1V to 2.5H:1V during the inspection.

### **Hydrologic Balance:**

The pit excavation is located on a gravelly terrace a mile north of the Arkansas River. The bottom of the pit was dry. There appeared to be no significant impacts to the prevailing hydrologic balance.

### **Gen. Compliance With Mine Plan:**

The operation appeared to be following the approved mine plan. The site has approximately 20 acres currently disturbed. All mining activity appeared to be within the approved permit boundaries. The approved reclamation plan calls for slopes to be graded to 3H:1V or flatter. The reclamation plan also specifies topsoil is to be replaced and seeding is to be conducted with a mixture of grasses.

### **Roads:**

The access road was in good condition.

### **Recl Plan/Comp:**

The approved reclamation plan calls for all slopes to be graded to 3H:1V or flatter. The reclamation plan also specifies topsoil is to be replaced, straw is to be crimped into the soil and seeding is to be conducted with a mixture of grasses.

### **Revegetation:**

There was some plant growth on the stockpiles and very little vegetation growth elsewhere in the disturbed area. The growth appeared to be volunteer vegetation, comprised of grasses and annual weeds. There were a few tamarisk trees in the southwest corner of the pit, the Operator is advised to implement weed control methods to eradicate the tamarisk.

### **Erosion/Sedimentation:**

There was no evidence of excessive erosion (rills, gullies, or sediment fans).

### **Signs and Markers:**

A mine i.d. sign was posted at the entrance to the site. The permit boundary was clearly marked by t-posts, and a fence.

### **Inspection Contact Address**

David Ragsdale  
Crowley County  
110 E 6th St  
Ordway, CO 81063

CC: Tom Kaldenbach, DRMS

**PHOTOGRAPHS**



**Photo 1:** View looking north/northwest.



**Photo 2:** View looking east, product stockpiles in the background.