




**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> Pickenpaugh Gravel Pit	<b>MINE/PROSPECTING ID#:</b> M-1978-078	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Lincoln
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Patrick Lennberg	<b>INSP. DATE:</b> November 8, 2018	<b>INSP. TIME:</b> 12:30
<b>OPERATOR:</b> Lincoln County	<b>OPERATOR REPRESENTATIVE:</b> Fred Lundy and Rick Ashcraft	<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> Windy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> November 13, 2018	

**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>NA</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>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>N</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 an inspection of the Pickenpaugh Pit, Division of Reclamation, Mining and Safety (DRMS or Division) permit number M-1978-078, operated by Lincoln County. I, Patrick Lennberg along with Tim Cazier with DRMS conducted the inspection. Fred Lundy and Rick Ashcraft with Lincoln County accompanied us during the inspection. The site was active during the time of inspection with a bulldozer salvaging top soil material and there were several recent stockpiles on site. The site is located approximately 13 miles east of Rush and accessed via a gated entrance off of Co Rd 94 approximately 0.65 miles on Co.Rd 11.6. The land is owned by Charles Brewer and is mined under a lease agreement that expires in 2022. The weather was mostly sunny, windy and cold.

### **Availability Of Records:**

The Pickenpaugh Pit is a 112c operation, permitted for 15 acres, with an approved post-mining land use of rangeland. The pit was converted from a 110 to a 112 (CN-1) operation in 2014. Through Technical Revision (TR-04) the pit was approved for intermittent use in 2013. Annual fees are paid through April 2018.

### **General Compliance with Mine Plan:**

Mining is being conducted within the permit boundary. All permit boundary markers, green T-posts, are clearly visible along perimeter of the site. The mine permit sign is visible at the entrance off of Co Rd 94 but is faded and becoming difficult to read (**Photo 1**). Operator should replace the sign before it becomes illegible. During the inspection the operator asked if there are any issues to importing material from other sites to be blended with onsite material and then used. It was determined that this practice was suitable for pit operations and will not require a permit revision.

### **Backfilling and Grading:**

Sufficient backfill material appeared to be available. Mining is moving to the northwest at depths approaching 20 feet. The highwalls are terraced and sloped near 3H:1V (**Photo 2**)

### **Topsoil:**

There are several topsoil stockpiles located throughout the site. Topsoil has been placed along the trees located near the bottom of pit in an area that was mined in the past. The stockpile has been contoured to minimize erosion. An additional topsoil stockpile was beginning to be placed along the northwest permit boundary (**Photo 3**). There was another topsoil pile along the northern boundary as well. Topsoil was being salvaged to a depth of 12-inches to insure there was sufficient growth medium for reclamation.

### **Stormwater Management Plan:**

The operator maintains a current Stormwater Discharge Permit for the site. The Water Management Plan for the site was modified in TR-01 in 2010. A berm (**Photo 4**) is maintained across the primary drainage, flowing northeast, to prevent stormwater runoff from leaving the site.

### **Hydrologic Balance:**

No standing water was observed at the site.

Revegetation:

There were no noxious weeds observed during this inspection. The surrounding area is open to cattle grazing and signs of grazing impacts were evident.

Financial Warranty:

As this site is permitted by Lincoln County, there is no bond required.

Roads:

Haul and access roads did not appear to be a source of sedimentation and were in good condition.

Sediment Control:

No erosion problems were observed at the time of inspection. There are some erosion rills associated with old mining reclamation on the south side of the pit, near Co Rd 11.6, but any material transported is confined to treed area and within the permit boundaries (**Photo 5**). This area will need the erosion rills graded out, top soil applied and revegetated during site reclamation.

Permit Stipulations:

There are no permit stipulations at this time.

The site was found to be in very good and clean condition with no problems or violations that were observed.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us) if you have any questions regarding this report.

## PHOTOGRAPHS



**Photo 1:** Mine permit sign.



**Photo 2:** Mine excavation and highwalls





**Photo 3:** Topsoil beginning to be stockpiled along NW boundary.



**Photo 4:** Berm across drainage to prevent off site damage.





**Photo 5:** Looking north from Co Rd 11.6 across old reclamation with erosion rills



**Photo 6:** Recently placed stockpile of material to be blended with import material.

**Inspection Contact Address**

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