




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: Lindstrom Gravel Pit	MINE/PROSPECTING ID#: M-1993-069	MINERAL: Sand and gravel	COUNTY: Logan
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott R. Russell	INSP. DATE: April 15, 2015	INSP. TIME: 12:00
OPERATOR: Logan County	OPERATOR REPRESENTATIVE: Rob Quint & Chad Wright	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: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 1, 2015	

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.

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The affected area boundary markers are missing or incorrectly placed. This is a problem for failure to maintain boundary markers around the affected area as required by Rule 3.1.12(2).

CORRECTIVE ACTIONS: The operator shall conduct a survey and replace the boundary markers in the correct location(s). The operator shall provide the boundary marker coordinates and photo documentation to the Division that this has been done by the corrective action date.

CORRECTIVE ACTION DUE DATE: 5/31/15

INSPECTION TOPIC: Sediment Control

PROBLEM/POSSIBLE VIOLATION: Problem: Erosion gullies and ruts were observed on-site. This is a problem at this time for failure to protect the affected land from erosion pursuant to C.R.S. 34-32.5-116 (4) (j).

CORRECTIVE ACTIONS: The operator shall provide photo documentation to the Division verifying that the site has have been reconstructed and stabilized to prevent erosion damage by the corrective action date.

CORRECTIVE ACTION DUE DATE: 6/30/15

INSPECTION TOPIC: Availability Of Records

PROBLEM/POSSIBLE VIOLATION: Problem: The Operator's representatives indicated that the lease agreement with landowner had not been renewed. This is a problem for failure to maintain a legal right to enter as required by Rule 6.4.14.

CORRECTIVE ACTIONS: The operator shall submit documentation regarding the legal right to enter to resolve this problem by the corrective action date.

CORRECTIVE ACTION DUE DATE: 6/30/15

OBSERVATIONS

The Division of Reclamation, Mining and Safety (Division/DRMS) conducted an inspection of the Lindstrom Gravel Pit (Permit File No. M-1993-069), a Construction Material Regular 112c Operation Reclamation Permit with 19.79 permitted acres and an approved post mining land use of Rangeland. The mine is located approximately 11 miles southwest of Sterling, Colorado. Elliott Russell, with the Division, inspected the site. Rob Quint and Chad Wright, both with Logan County, 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, Mr. Quint, and Mr. Wright arrived at the mine site entrance, located 1,500 feet west of the intersection of County Road 10 and County Road 53. The Lindstrom Pit is just south of the Barton Pit, Permit No. M-2000-149. At the time of the inspection it was windy, the temperature was hot, the sky was partly cloudy, and the ground was dry. The mine site identification sign was observed at the entrance to the site and was in compliance with Rule 3.1.12(1); due to wear and vandalism, the Division recommends the Operator install a new permit sign to help prevent a non-compliance situation. The permit boundary was delineated by wood posts and metal t-posts, all with an additional marker of a survey cap and rebar. The northeast marker could not be located and there was some confusion with the southern markers (the survey pins were approximately 20 feet north of the wood post markers); this has been cited as a problem requiring corrective action, please see page 1 of this report for more information. The site was not currently being mined at the time of the inspection and there was no equipment on the site; the site appeared to be recently active though.

The site consists of a large excavated area within a drainage that runs through the site to the northwest. The pit floor contains two large stockpiles: a product stockpile (which appears to have been piled up by bulldozers from the surround slopes) and a smaller-in-size overburden stockpile. In the northern portion of the site is a large vegetated topsoil stockpile. Near the entrance to the site the Division observed a motor grader, large plow blade, and portable fuel tank. Mr. Wright informed the Division that these were the County's, but were unrelated to the mining operation; that the landowner allowed the storage of this equipment for nearby county road maintenance. The Division also observed a small herd of mule deer on the site during the inspection.

In December 2014, the Division was informed by the Operator that an individual was removing material from the site. The Division made the recommendation to secure their site with a gate/lock and if further activity were to occur without the Operator's permission, to possibly handle it as a private civil matter by contacting an appropriate law enforcement office. During the inspection Mr. Wright stated that it appears that the only activity to occur at the site was the removal of material out of the large product stockpile. The Division observed no additional disturbance outside of what was already currently permitted.

The Division and the Operator's representatives discussed that the site drains toward the northwest, which is also the direction of the overall drainage in the area. While walking the western permit boundary, the Division stated that there could be a possibility for an off-site impact if stormwater were allowed to flow (from the non-vegetated disturbed area) down the drainage. To reduce the chance for a possible future compliance/violation issue, the Division has cited this as a problem requiring corrective action; the Operator shall implement a Best Management Practice across the lowest area of disturbance near the western permit boundary. This approach should either allow stormwater to be contained on site or let the stormwater's energy to dissipate enough to let sediment settle out before leaving the site.

The Operator's representatives indicated that the lease agreement between the County and the landowner had recently not been renewed. After further review of the permit file, this lease agreement was the only source of legal right to enter on file with the Division. In accordance with Rule 6.4.14, this has been cited as a problem requiring the Operator to provide a source of legal right to enter; this may be in the form of an undated lease agreement or a signed and notarized letter from the landowner stating that the Operator still has a legal right of entry to the site and to conduct mining and reclamation (reclamation at a minimum will be required).

PHOTOGRAPHS



Permit identification sign at the site entrance; looking west.



Site overview with M-2000-149 in the background, Stockpiles circled: product (red), overburden (yellow), topsoil (green); looking north from the southern permit boundary.



Northeast boundary marker with no locatable survey pin; looking southwest.



One of the contradicting boundary corners along the southern permit boundary, survey pin in foreground and wood post in background; looking south at the southwest boundary corner.



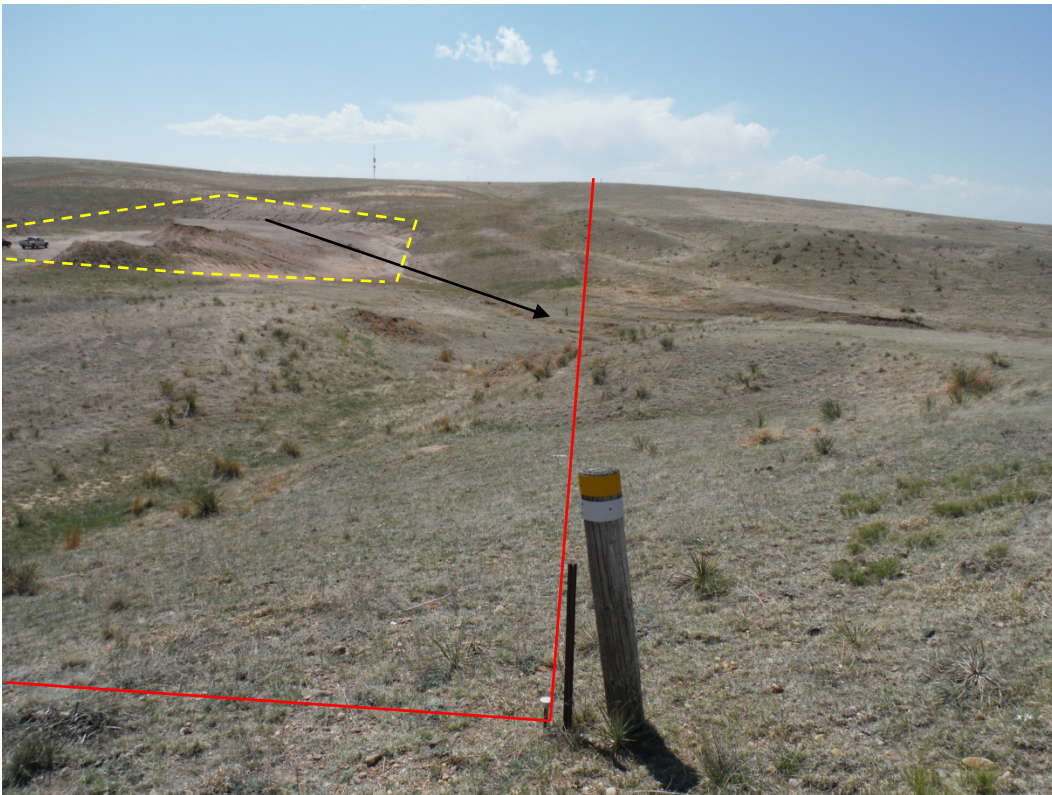
Vegetated topsoil pile in the northern portion of the permit; looking east.



Deer herd within the permit boundary; looking south.



Product stockpile located on pit floor; looking south.



Northwest boundary marker, barren disturbed area (yellow), flow direction indicated by arrow, approximate permit boundary (red); looking south.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected

(AR) RECORDS----- PB	(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----- PB	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- PB	(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

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