




**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> Valley's Edge Resource	<b>MINE/PROSPECTING ID#:</b> M-2016-030	<b>MINERAL:</b> Gravel and sand	<b>COUNTY:</b> Weld
<b>INSPECTION TYPE:</b> Pre-Operation Inspection	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> October 13, 2016	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Brannan Sand and Gravel Company, L.L.C.	<b>OPERATOR REPRESENTATIVE:</b> Alex Schatz	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Pre-Operation Inspection	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> No Bond Held	
<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> October 19, 2016	

**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>N</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(CI) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <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 a pre-operational inspection of the Valley's Edge Resource site conducted by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS). Mr. Alex Schatz with Brannan Sand and Gravel Company, L.L.C was present during the inspection.

The construction materials permit application was received by the Division on July 1, 2016. The application was deemed complete on August 26, 2016. The Applicant published public notice as required by Rule 1.6.2(d) for four consecutive weeks. The last notice was published on September 28, 2016. The public comment for the application ended on October 18, 2016. One (1) objection to the application was received by the Division during the public comment period. A copy of the objection letter from Anadarko Petroleum Company was sent to the Operator on October 14, 2016. The notice sign was observed during the inspection as required by Rule 1.6.2(b).

The Valley's Edge Resource is a proposed 189.66 acre construction materials site. The proposed mine site is a former feedlot and degraded pasture located in the South Platte River valley in Weld County. The sand and gravel deposit ranges from 20 feet to 30 feet in depth. The site will be dry and wet mined from south to north along the western portion of the site in four mining phase. The groundwater depth is expected between 20 to 25 feet below grade. Each mining cell is expected to take one to three years of continuous mining activity to complete. The life of mine is estimated at 4 to 12 years. A 10 acre processing area will be located in the middle of the site. The material will be extracted and transported to the processing plant with front-end loaders and haul trucks or a conveyor system. No more than 5 acres of groundwater will be exposed at one time. The excavated areas will be backfilled with on-site material below groundwater elevation and with imported inert fill above the groundwater elevation. The site will be backfilled to approximate pre-mining elevations. The proposed post mining land use is commercial/industrial, which is consistent with the current zoning.

The proposed mine site and location of the access road from WCR 8 were observed during the inspection. The northwest corner of the site contained a stormwater detention pond, a vegetated stockpile of recycled concrete and manure ponds. The recycled concrete might be used by the Operator for road construction within the permit boundary. Several piles of debris were observed northwest corner of the site. The debris will be removed by the Operator during the initial mine site development. The powerline and power poles in the northwest corner of the site are decommissioned and will be removed as part of the initial mine site development. The majority of the site was pastureland containing native grasses and annual weeds. The proposed access road from WCR 8 is currently access to a private resident. The new access road will need to be improved and realigned by the Operator to allow access to the mine site.

Photographs taken during the inspection are attached. The permit application adequacy letter will be sent under separate cover. An inspection map created based on the observation of the inspection is attached.

## PHOTOGRAPHS



Valley's Edge Notice Sign



View from SW corner of site looking east





View from SW corner of site looking NE



View from SW corner of site looking north





View of typical debris in the NW corner of the site



View of site from approx. location of the access road looking west





View of site from approx. location of the access road looking SW



View of site from approx. location of the access road looking south





View of site from the east side of the site looking west



View of site from the SE corner of the site looking NW



View of the location of the site access road from WCR 8 looking south

**Inspection Contact Address**

Mr. Alex Schatz  
Brannan Sand and Gravel Company, L.L.C.  
2500 E. Brannan Way  
Denver, CO 80229

Enclosure – Inspection map

Ec: Wally Erickson; DRMS









# Valley's Edge Resource

Brannan Sand and Gravel Company

M-2016-030

October 13, 2016 Pre-Operational Inspection Map

## Legend

-  Approx. Permit Boundary
-  Augmentation Ponds
-  Manure Ponds
-  Proposed Access Road
-  Recycled Concrete Stockpile
-  Stormwater Detention Pond

in Marietta (Denver Water) Riverbend East

Brannan Valleys Edge

U.S. 85 BUS

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Google earth

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2000 ft

