




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: Jenkins Site	MINE/PROSPECTING ID#: M-1977-393	MINERAL: Sand and gravel	COUNTY: Boulder
INSPECTION TYPE: Monitoring	WEATHER: Cloudy	INSP. DATE: November 30, 2023	INSP. TIME: 09:00
OPERATOR: City of Boulder	OPERATOR REPRESENTATIVE: Megan Bowes	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Patrick Lennberg	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: December 5, 2023	

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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</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>N</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION-- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Jenkins Site was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring program. The site was last inspected by the Division on October 28, 2021 as part of the routine monitoring program. Megan Bowes representing the Operator, City of Boulder, accompanied me during the inspection. The weather was windy and cloudy.

The Jenkins Site permit is located in Boulder County approximately 6.5 miles from downtown Boulder. The mine entrance is located 1.5 miles south, on 66th St, of the intersection of Marshall Rd (CO-170) and 66th St. The permit is located on land owned by the City of Boulder which is the current Permittee and Operator. The approved permit is a 112c operation for 233.6 acres with 215 acres allowed to be affected at any one time. The approved post mining land use is rangeland.

A review of the permit file indicates the site has not been mined since the early 1990's and entered into final reclamation around 1996. In 2000 the permit was transferred from Varra Companies, Inc. to the City of Boulder.

The approved reclamation plan calls for grading all disturbed slopes to 3H:1V or flatter, replacing 6-10 inches of growth medium over disturbed areas, and revegetating the site with a grass seed mixture consisting of Intermediate Wheatgrass, Tall Wheatgrass, Pubescent Wheatgrass, Blue Grama, and Smooth Brome. The main access roads to the site will remain after reclamation. Due to the presence of a bald eagle nest on site (in a tree along the northern creek bank), the property is closed down from November 1st through July 31st of every year (since 2002) to protect nesting bald eagles. For this reason, the operator only has a 3-month window every year (from August 1st through October 31st) to conduct activities on site.

At this time only portion of the permit area requires reclamation, that area is the pit located at the top of the mesa in the north mining area (approximately 8 acres in size). The pit is elongated roughly east-west and opens up to the east. The Operator is in the process of grading the side slopes to 3H:1V or flatter, replacing 6-10 inches of growth medium on the disturbed area, and revegetating with the approved rangeland grass mixture. The Operator stated soil tests indicated the need for additional organic matter to promote growth at the site. However, getting the material and being able to effectively spread it has been challenging due to the wildlife restrictions that are imposed at the site. The Operator is committed to working on a solution to getting more organics spread at the site and possibly working with wildlife professionals to potentially allow for additional access to the site if the eaglets are able to fledge earlier in the year. An additional challenge at the site is the very coarse gravel to boulder material at the surface making it difficult for machinery to blend the topsoil/organic material into the subgrade.

The Division also spoke to the Operator about releasing areas of the permit that meet the approved reclamation plan to reduce the overall liability at the site. The Operator could reduce the permit size to just the current ~8 acres size needing reclamation. While this would reduce the permit size to the 110c threshold the Operator would need additional permitting to qualify for official 110c status. The Division and Operator will work together to begin the acreage release process in May 2024, in hope that the eagle restrictions can be worked around.

The Division did not evaluate the bond as no bond is currently held for the site.

Photographs taken during the inspection are attached.

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

Inspection Contact Address

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cc: Jared Ebert, DRMS

ec: Megan Bowes, City of Boulder, bowesm@bouldercolorado.gov

PHOTOGRAPHS



Photo 1: Looking south from the north mine area to the south mine area



Photo 2: Looking southwest from the north mine area to the south mine area



Photo 3: Western portion of the 8 acres area under reclamation slope is roughly 3H:1V



Photo 4: Mid-point of the 8 acres area under reclamation which is flat, looking north



Photo 5: Eastern portion of the 8 acres area under reclamation slope is steeper than 3H:1V, looking northeast



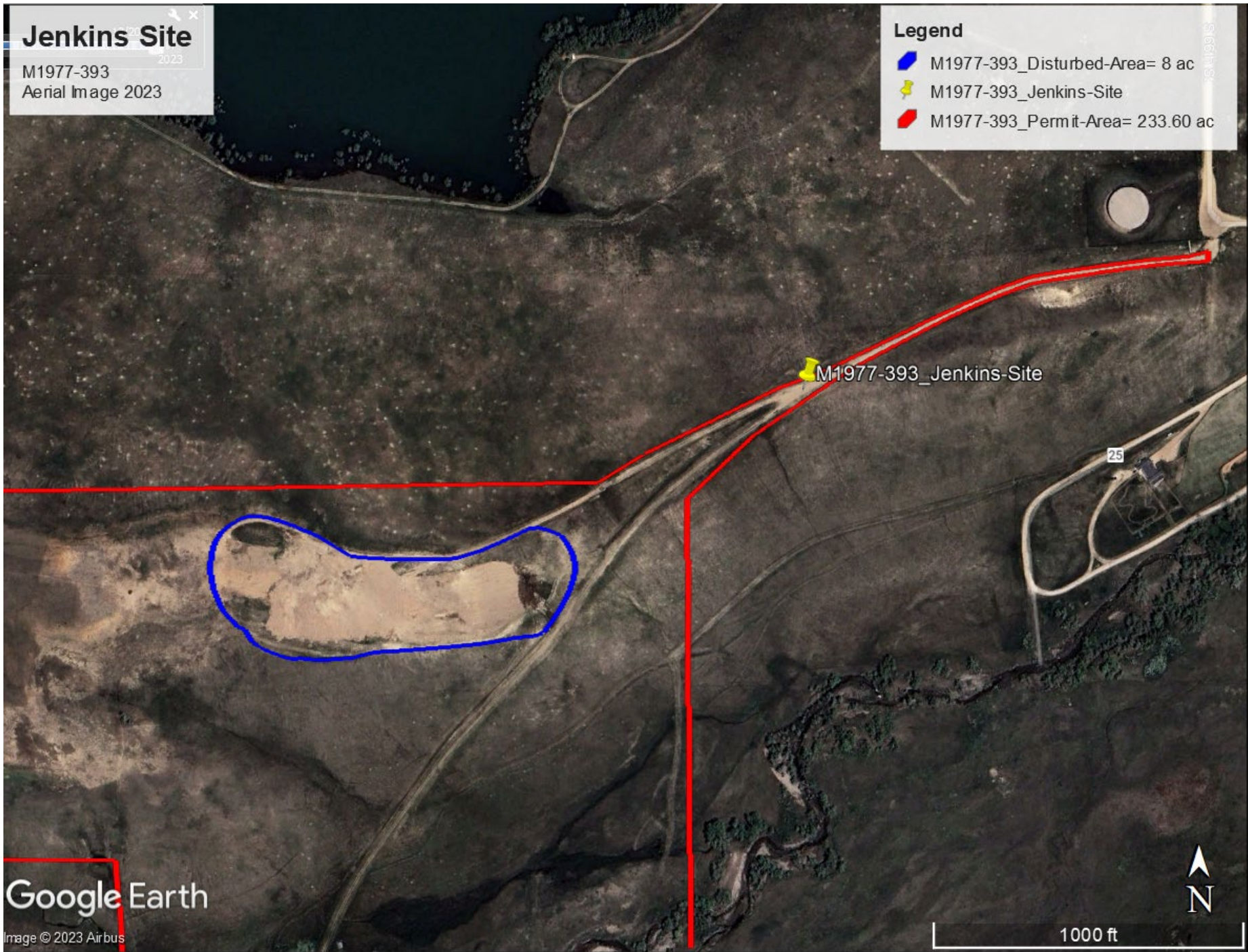
Photo 6: Eastern portion of the 8 acres area under reclamation slope, looking south



Photo 7: Mid point area of the 8 acres area under reclamation slope, looking south



Photo 8: Western most portion of the 8 acres area under reclamation slope, looking southwest



PERMIT #: M-1977-393
INSPECTOR'S INITIALS: JPL
INSPECTION DATE: November 30, 2023