




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety 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> Riverbend Operation	<b>MINE/PROSPECTING ID#:</b> M-2000-016	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Weld
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter Hays	<b>INSP. DATE:</b> March 24, 2021	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Martin Marietta Materials, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Julie Mikulas	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Priority	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$3,530,500.00
<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> March 25, 2021

**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:** Acid And Toxic Materials

**PROBLEM:** On March 20, 2021, a backhoe operating in the north portion of Cell 1 ruptured a hydraulic line releasing 20-25 gallons of hydraulic fluid into the dewatering trench in the cell.

**CORRECTIVE ACTIONS:** The Division will require the Operator to collect water quality samples during the next scheduled discharge permit sampling event and test the samples for BTEX and oil & grease. The results of the tests must be sent to the Division by the corrective action date.

**CORRECTIVE ACTION DUE DATE:** 4/30/21

## **OBSERVATIONS**

The Riverbend West Operation was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) to investigate a hydraulic fluid spill reported by the Operator to the Colorado Department of Public Health and Environment (CDPHE). Mrs. Julie Mikulas with Martin Marietta Materials, Inc. was present during the inspection. An inspection map based on the latest available Google Earth image and the observations from this inspection is attached for reference.

On March 23, 2021, the Division received Spills Tracking System Data Entry Form 2021-0098 from CDPHE. The form was submitted by the Operator stating on March 20, 2021 a backhoe operating in the north portion of Cell 1 ruptured a hydraulic line releasing 20-25 gallons of hydraulic fluid into the dewatering trench in the cell. In response to the spill, the Operator turned off the dewatering pumps for the cell and used absorbent pads and booms in the dewatering trench to contain and remove the spilled fluid. The Operator stated the pads and booms were disposed of properly following the cleanup. A copy of the report is attached. The Operator stated CDPHE considered the spill to be not significant. CDPHE is not requiring additional actions by the Operator.

Mining Cell 1 is currently divided in half by a power line creating south and north portions of the cell. The power lines will be relocated in the future to combine the portions into a single cell. The north portion is partially mined out and is being used as a settling basin for the dewatering water from the south portion. Mining excavation was occurring in the south portion during the inspection. The Operator stated a silt fence would be installed in the northwest corner of the north portion near the dewatering pump to further reduce the sediment released at the Cell 1 dewatering location into the South Platte River.

The area of the spill and the discharge point for the cell were observed during the inspection. The spill location was covered by a shallow pond of water due to the dewatering pump being turned off since the spill occurred. The water in the location of the spill was clear and no oil sheen was observed by the Division. The Operator reported the pumps were turned back on the morning of the inspection. Water was observed being discharged at the dewatering location during the inspection into the South Platte River.

The Operator is required to sample the discharge water for suspended solids by CDPHE twice a month. As cited as a problem above, the Division will require the Operator to sample the discharge water and test the water for Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX) and oil & grease (sheen) during the next scheduled sampling event. The Operator agreed to perform the testing during the inspection. The Operator stated the next sampling would occur the first week of April. The results of the testing must be reported to the Division by the corrective action date.

Photographs taken during the inspection are attached. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at [peter.hays@state.co.us](mailto:peter.hays@state.co.us).

## PHOTOGRAPHS



Riverbend Operation mine sign



View of the approx. location of the hydraulic fluid spill in the north portion of Cell 1  
(to the right of the mound in the middle of the picture)





View of the water surface in the location of the spill



View of the discharge location from Cell 1 into the South Platte River



### GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</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>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>PB</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

#### Inspection Contact Address

Mrs. Julie Mikulas  
Martin Marietta Materials, Inc.  
1800 N. Taft Hill Road  
Fort Collins, CO 80521

Enclosures – Inspection Map and CDPHE Spill Form

Ec: Jared Ebert, DRMS



# Riverbend Operation

M-2000-016  
March 24, 2021 Inspection Map  
Cell 1 Hydraulic Spill

## Legend

- Cell 1 - North
- Cell 1 - South
- Cell 1 Discharge Location
- Martin Marietta Riverbend Operation

Cell 1 Discharge Location

Martin Marietta Riverbend Operation

Approx. Location of Spill

Google Earth

© 2021 Google  
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3000 ft





# COLORADO

## Office of Emergency Preparedness & Response

Department of Public Health & Environment

Print date 3/23/2021

CASE NUMBER 2021-0098 DATE ENTERED 3/23/2021 TIME ENTERED 11:23  
WHO TOOK REPOR GREG/ ANN NEDROW DATE REPORTED 3/20/2021 TIME REPORTED 2:50:00 PM  
NRC NUMBER

CALLER: ERIN KUNKEL CONFIDENTIAL N PHONE: 303-252-2558  
ORGANIZATION: MARTIN MARIETTA  
STREET: 1627 COLE BLVD, SUITE 200  
CITY: LAKEWOOD COUNTY:  
STATE: CO ZIP CODE: 80401-

POTENTIALLY RESPONSIBLE PART MARTIN MARIETTA  
PRP CONTACT ERIN KUNKEL PRP PHONE: 303-252-2558  
ADDRESS: 1627 COLE BLVD, SUITE 200 EMAIL: erin.kunkel@martinmarietta.com  
CITY: LAKEWOOD COUNTY  
STATE: CO ZIP CODE 80401-

EVENT DATE 3/20/2021 EVENT TIME: 2:00:00 PM  
LOCATION 11939 WCR 6, RIVERBEND PIT, ON THE WEST SIDE OF HWY 85 MILE MARKER  
CITY: FORT LUPTON COUNTY: WELD Latitude:   
STATE: CO ZIP CODE 80603- Longitude

TYPE OF MATERIA OIL  
MATERIAL1: HYDRAULIC OIL QUANTITY1 25 UNIT1: GALLONS QTY TO WATER1: 25 UNIT1: G  
MATERIAL2: QUANTITY2 UNIT2: QTY TO WATER2: UNIT2:  
MATERIAL3: QUANTITY3: UNIT3: QTY TO WATER3: UNIT3:

SOURCE X  
SOURCE TYPE BACKHOE  
CAUSE: FAILURE EQUIPMENT

CAUSE INFORMATION A back hoe had a ruptured hydraulic line, resulting in release of 20-25 gallons of hydraulic fluid into the water in the pit of the Riverbend pit on the west side of Hwy 85.  
WATERWAY IMPACTED WATER IN THE RIVERBEND PIT

MEDIUM IMPACTE WATER

☐ Fixed Facility☐ Land☐ Air☐ Groundwater☒ Surface Water

Waterway Impacted:

WATER IN THE RIVERBEND PIT

NUMBER OF DEATH

NUMBER OF INJURIES

EVACUATIO

NUMBER EVACUATE

ACTION TAKEN Absorbent pads and booms were applied to the water in the pit. The pumps that usually dewater the pit were turned off.

CDPHE NOTIFIED WQCD: MICHELLE THIEBAUD, DAVID KURZ, HEATHER YOUNG, PAUL KOSIK, KRISTIN PEKOT, CLAYTON MOORES, ANNE MARIE GOOLSBY; HMWMD: ROB BEIERLE, RICK MRUZ, ED SMIHT, CAREN JOHANNES, SUSAN NEWTON, LAURA GURULE, DAVID FOSTER, DRMS, CPW

COMMENTS Weld County EH  
:

RESPONDERS MARTIN MARIETTA

RESPONDER  
COMMENTS:

ADDITIONAL  
COMMENTS: