



Department of Energy

Washington, DC 20585

February 25, 2019

Board of Mesa County Commissioners
PO Box 20000-5010
Grand Junction, CO 81502

WM-00054

Subject: Management Plan for the Grand Junction, Colorado, (Cheney) Disposal Site, Year 2019

Dear Board of Mesa County Commissioners:

The U.S. Department of Energy Office of Legacy Management (DOE-LM) is submitting the enclosed annual management plan for the Grand Junction, Colorado, Disposal Site.

The Grand Junction disposal site will be open during 2019 to accommodate DOE's requirements and to receive material from the Grand Junction Regional Airport runway project and other Uranium Mill Tailings Radiation Control Act Title I Sites. Activities at the disposal site, such as annual maintenance and regulatory monitoring, will also occur. The current volume available for disposal as of 2019 is estimated at 223,000 yd³.

Please let us know if you are planning public meetings or additional information. Please contact me at (970) 248-6041 or William.Frazier@lm.doe.gov, or Kirk Roemer at (970) 248-6158 or Kirk.Roemer@lm.doe.gov, if you have any questions. Please address any correspondence to:

U.S. Department of Energy
Office of Legacy Management
2597 Legacy Way
Grand Junction, CO 81503

Sincerely,

William J. Frazier, P.E.
Grand Junction Site Manager

Enclosure

cc w/enclosure:

- J. Hofman, Mesa County
- R. Pugliese, Mesa County
- T. Prall, City of Grand Junction
- J. Vensel, City of Grand Junction
- M. Cosby, CDPHE
- T. Lancaster, NRC (Docket No. WM-0054)
- J. Elmer, Navarro (e)
- K. Roemer, Navarro (e)
- DOE Read File
- File: GRJ 0200.02 (records)
- Sites\GRJ\2019.02.22 GRJ Annual Mgmt Plan 2019 (Mesa County)

NMSS01
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2019 Management Plan for the Grand Junction, Colorado, Disposal Site

Introduction

This Management Plan (Plan) is prepared according to Section 3 of the final Memorandum of Understanding between the U.S. Department of Energy (DOE) and the Board of Mesa County Commissioners (April 1996). The Plan includes information specific to the estimated amount of material to be received at the Grand Junction, Colorado, Disposal Site (GJDS) (also known as the Cheney disposal cell) in 2019. The Plan will require modification if the predicted volume increases appreciably or materials are proposed for transport from locations other than those identified herein. Modifications will be submitted by DOE, or by the State of Colorado, with adequate time available for review and consideration, as agreed to by both parties.

DOE's authority to remediate vicinity properties under the Uranium Mill Tailings Radiation Control Act of 1978 (UMTRCA) expired on September 30, 1998. Congress passed Public Law 104-259, on October 9, 1996, extending UMTRCA, authorizing DOE to continue operation of the disposal site in Mesa County, Colorado, for receiving and disposing of residual radioactive material until the GJDS has been filled to the capacity for which it was designed, or September 30, 2023, whichever comes first.

DOE intends to open the cell for several months in 2019 to receive and place residual radioactive materials (RRM). The cell will remain open long enough to accommodate DOE and City of Grand Junction's Regional Airport requirements.

Remediation/Disposal Plan

The estimated volume (cubic yards, yd³) of RRM to be received at the GJDS from different sites is as follows:

Calendar Year	City of Grand Junction Interim Storage Facility	Other UMTRCA Sites	Monticello, Utah, Disposal and Processing Sites	Other Private Property Owners
2019	0	25	0	5600

Actual quantities received from each site may vary from those estimated in the Plan.

City of Grand Junction Interim Storage Facility

There are no plans for disposal of RRM from the City of Grand Junction temporary storage facility to the GJDS in 2019.

Other UMTRCA Sites

Approximately 25 yd³ of RRM mixed with soils, samples, and miscellaneous materials, such as groundwater treatment appurtenances, filter elements, and associated items, could be transported to the GJDS in 2019.

2019 Management Plan for the Grand Junction, Colorado, Disposal Site

Monticello, Utah, Disposal and Processing Sites

There are no plans for RRM from DOE's groundwater treatment system or soil mixed with RRM from City of Monticello street and utility excavations to be transported to the GJDS in 2018.

Other Private Property Owners

Information provided by the Grand Junction Regional Airport and the Colorado Department of Health indicates that this airport will transport an estimated 5600 yd³ of RRM from its runway project to the GJDS in 2019. The RRM is tentatively scheduled to be transported spring to mid-summer.

2018 Volume Received and Remaining Capacity

The volume received during calendar year 2018 was approximately 3000 yd³. The RRM was placed in the disposal cell along with material previously received and stockpiled.

After placement in the disposal cell, the remaining capacity was calculated by using land topographic surveys to produce an accurate estimate. The projected remaining capacity in the cell after all RRM stockpiled and last calendar year RRM placed is approximately 223,000 yd³.

Waste Acceptance, Transport, and Receiving

If DOE transports RRM to the GJDS, the following restrictions will apply:

- Transport and receiving will be allowed only from 7:00 a.m. to 5:00 p.m., except for emergencies
- Material transport will comply with applicable federal, state, and local requirements
- DOE will maintain an emergency contingency plan for responding to a spill or accident if such occurs during the transportation of materials to the disposal cell

RRM remediated and transported by others in the state of Colorado will fall under the Colorado Department of Public Health and Environment's Uranium Mill Tailings Management Plan.

DOE will provide waste acceptance criteria, transportation, and receiving requirements to the Colorado Department of Public Health and Environment, the City of Grand Junction, and other private property owners transporting RRM to the GJDS.