

# U.S. Department of Energy, Office of Legacy Management 2022 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 Mesa County Board of County Commissioners (April 1996). The Plan includes information about the estimated amount of material to be received at the Grand Junction, Colorado, Disposal Site (GJDS) (formerly called the Cheney Disposal Cell) in 2022. 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 (UMTRCA) expired on September 30, 1998. Congress passed Public Law 104-259, on October 9, 1996, extending UMTRCA and authorizing DOE to continue operation of the GJDS for receiving and disposing of residual radioactive material (RRM) until the disposal cell has been filled to the capacity for which it was designed, or September 30, 2031,<sup>1</sup> whichever comes first.

DOE intends to open the cell for several weeks in 2022 to apply copolymer soil stabilization on the open portion of the cell. No RRM's are planned for disposal at the site in 2022.

## Remediation and Disposal Plan

The estimated volume (in cubic yards [yd<sup>3</sup>]) of RRM to be received at the GJDS from different sites in 2022 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
2022	0	0	0	0

### City of Grand Junction Interim Storage Facility

There are no plans for disposal of RRM from the City of Grand Junction Interim Storage Facility to the GJDS in 2022.

### UMTRCA Sites

There are no plans for disposal of RRM from other UMTRCA sites to the GJDS in 2022.

---

<sup>1</sup> H.R. 347, the Responsible Disposal Reauthorization Act of 2019, was passed by the 116th Congress to extend authorization to operate the GJDS until September 30, 2031. H.R. 347 was signed by the president on December 20, 2020.

# **U.S. Department of Energy, Office of Legacy Management 2022 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 the City of Monticello's streets and utility excavations to be transported to the GJDS in 2022.

## **Private Property Owners**

There are no plans for disposal of RRM from private property owners to the GJDS in 2022.

## **2021 Volume Received and Remaining Capacity**

The volume of RRM received during calendar year 2021 was approximately 2890 yd<sup>3</sup>. The RRM was placed in the disposal cell along with approximately 500 yd<sup>3</sup> material previously received and stockpiled.

After RRM is placed in the disposal cell, the remaining capacity is calculated by using land topographic surveys to produce an accurate estimate. The projected remaining capacity in the cell is approximately 219,611 yd<sup>3</sup>.

## **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 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.