

# MOAB UMTRA PROJECT

## URANIUM MILL TAILINGS REMEDIAL ACTION

### MOAB, UTAH



*Panoramic view of Moab UMTRA Site (8/29/2022)*



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UMTRA Liaison/Technical Inspector

**MTPSC Status Update**  
**October 25, 2022**

# INTRODUCTION & PURPOSE

The UMTRA Liaison/Technical Inspector position, as established by Grand County Resolution 3198 and located within the Grand County Planning and Community Development Department (P&CD), serves as an independent and neutral figure regarding activities utilizing a conditional use permit (CUP) through Grand County.

The UMTRA Liaison/Technical Inspector provides observations, reports, and other applicable duties to the following sites:

- The Moab UMTRA Site and associated Crescent Junction Disposal Site
- Oilfield Water Logistics at Danish Flats
- Westwater Farms/Armada Water Solutions at Harley Dome
- IACX Helium Processing Plant at Harley Dome

The UMTRA Liaison/Technical Inspector works with a variety of entities and committees to ensure full transparency and accurate reporting. This position is currently funded through Grant DE-EM0005196 and has a period of performance through February 4, 2025.

# UMTRA SITE MAP



Google Maps – Image not to scale

# OBSERVATION POINT #1

AUG 2022



SEPT 2022



# OBSERVATION POINT #2

AUG 2022



SEPT 2022



# OBSERVATION POINT #3

JUL 2022



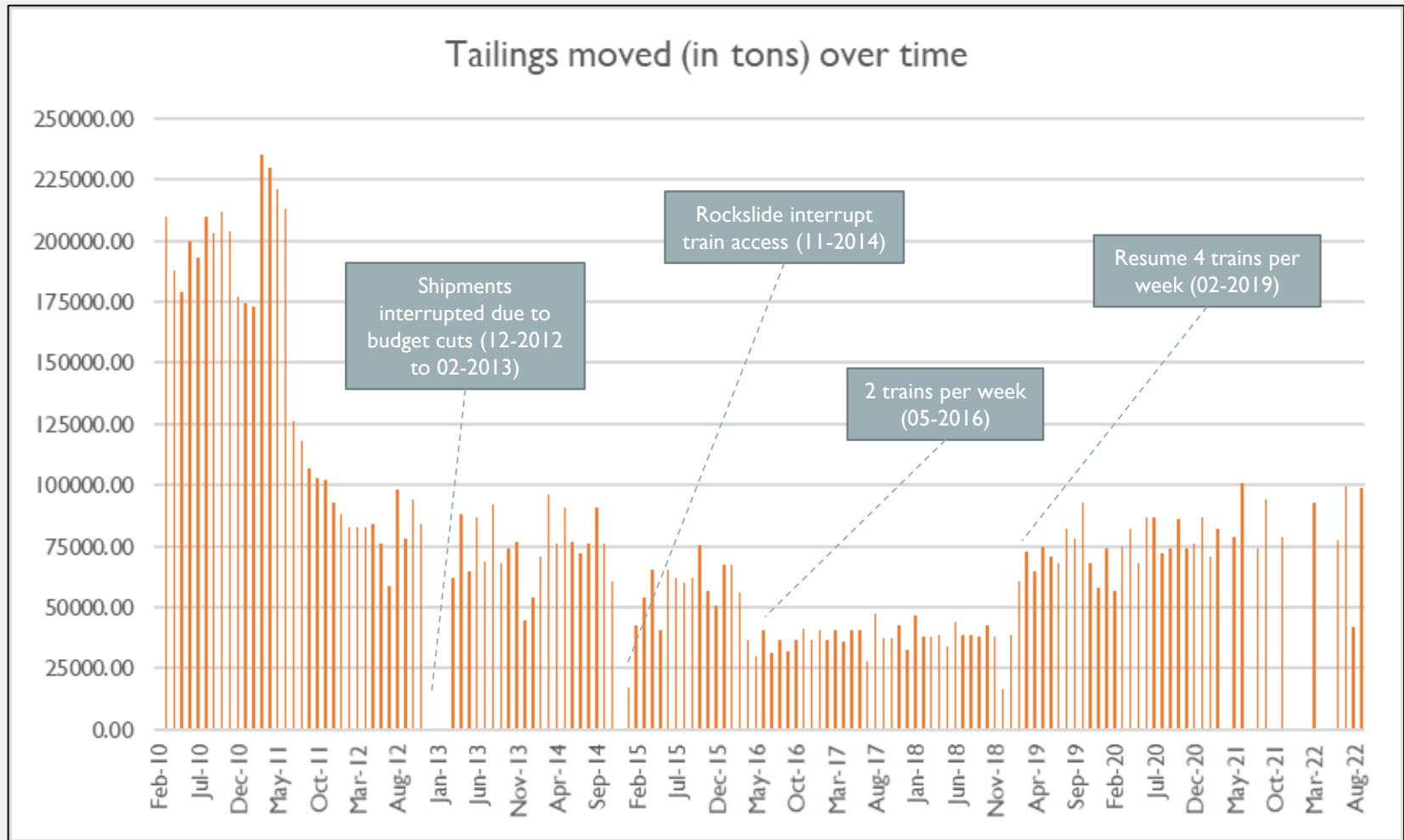
SEPT 2022



# OBSERVATION POINT #4



# TAILINGS SUMMARY



- At the end of September 2022, approximately 12.9 million tons of tailings and mill debris has been shipped to the Crescent Junction site for disposal. Approximately 98,940 tons of tailings and mill debris were moved in September 2022 (end of 3Q22).
- Indicates that 80.6% of the estimated 16 million total tonnage contained at the Moab UMTRA site has been removed since the beginning of the project.
- The Moab UMTRA Project continues to operate on a regular schedule of four (4) trains per week.

# GROUNDWATER REMEDIATION

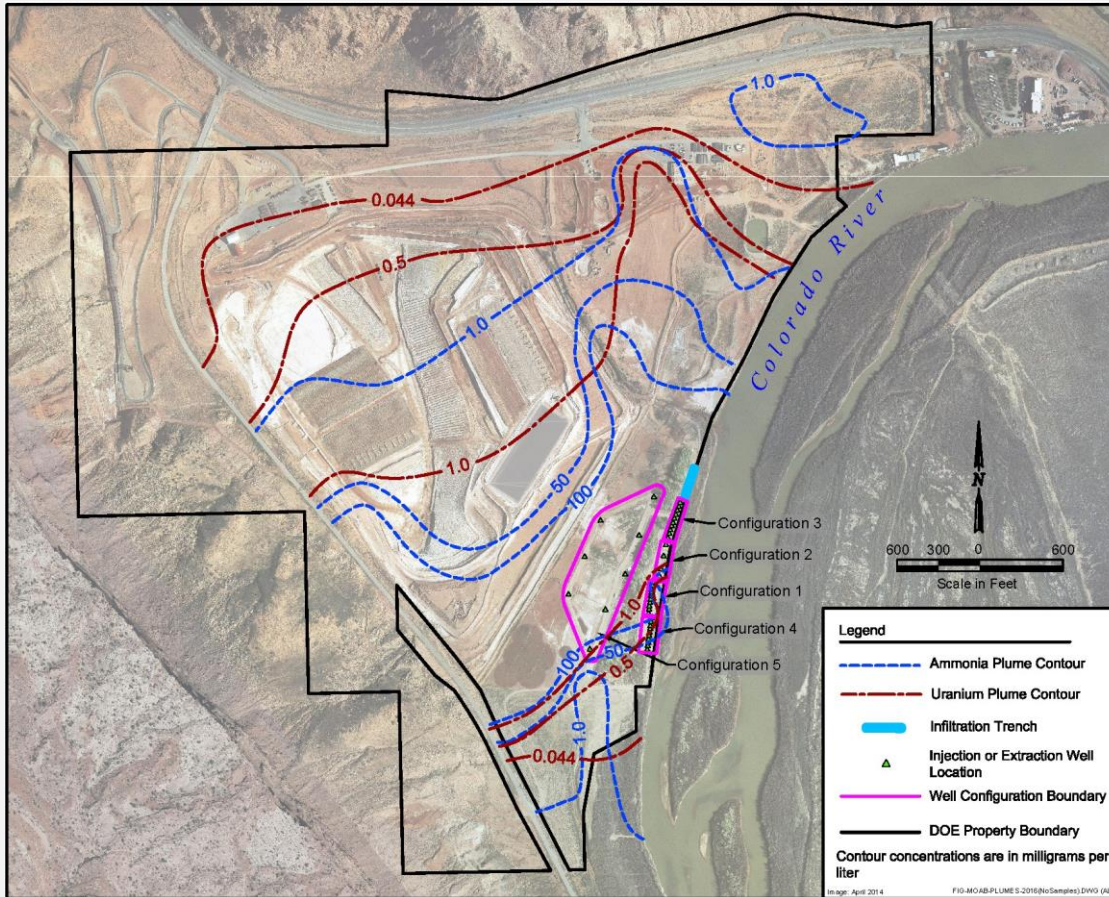


Image: [https://www.gjem.energy.gov/general/interim\\_gw\\_action.htm](https://www.gjem.energy.gov/general/interim_gw_action.htm)

- A total of 10 extraction wells designed to reduce the amount of ammonia and uranium that discharges to the river were installed during Configuration 1. Four (4) additional configurations of wells have been added since, for a current total of 42 wells.
- Groundwater extraction is through Configuration 5 wells, which are located closer to the tailings pile.
- Over the life of the Project, extraction has prevented 979,147 pounds of ammonia and 5,576 pounds of uranium from reaching the river.
- Freshwater (diverted river water) is injected through wells in Configuration 4 as an additional way of minimizing the discharge of ammonia to the Colorado River. So far in 2022, more than 6,199,812 gallons of water has been injected.

# RESOURCES

## Online

- <https://www.energy.gov/em/moab/moab-umtra-homepage>
- <https://www.grandcountyutah.net/257/Moab-UMTRA-Project>
- <https://www.grandcountyutah.net/206/Moab-Tailings-Project-Site-Futures-Comm>
- Moab UMTRA Project Five-Year Site Plan FY's 2022-2026 (DOE):  
<https://www.gjem.energy.gov/documents/Five-YearSitePlan22.pdf>
- Moab UMTRA Project Groundwater and Surface Water Monitoring Report July through December 2021 (DOE):  
[https://www.gjem.energy.gov/documents/gs\\_water/monitor/MonitRpt\\_2ndHalf2021.pdf](https://www.gjem.energy.gov/documents/gs_water/monitor/MonitRpt_2ndHalf2021.pdf)

## Public meetings

- *Moab Tailings Project Steering Committee, quarterly (Jan 24, April 25, July 25 and Oct 24, 2023)*
- *Site Futures Committee, 2013 and 2018 (2023 upcoming)*

## UMTRA Reading Room (Library)

## Contact Grand County's UMTRA Liaison

- [jthacker@grandcountyutah.net](mailto:jthacker@grandcountyutah.net)

QUESTIONS?