

MOAB TAILINGS PROJECT STEERING COMMITTEE

Quarterly Meeting

Anchor Location: 125 E Center St, Moab, Utah 84532 (Commission Chambers)

Public is invited to view the Quarterly Meeting on YouTube: <https://www.youtube.com/@MTPSCGrandCo>

See below for instructions to provide public comment on Zoom

Meeting ID: 853 0229 4601 Passcode (as needed): 762080

Link: <https://us06web.zoom.us/j/85302294601?pwd=djgVBsg2RPNGAkAs8ICYmup1K2mtoE.1>

AGENDA

Tuesday, July 22, 2025 at 3:00PM (MST)

- A. **CALL TO ORDER (3:00PM)**
- B. **INTRODUCTIONS (Chair, Mary McGann)**
- C. **ACTION ITEM: APPROVAL OF MINUTES (Chair, Mary McGann)**
 - a. January 28, 2025 Quarterly Meeting
 - b. April 22, 2025 Quarterly Meeting

- D. **CITIZENS TO BE HEARD**

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Link: <https://us06web.zoom.us/j/85302294601?pwd=djgVBsg2RPNGAkAs8ICYmup1K2mtoE.1>

Please note that when joining the meeting, you will be placed in a waiting room and will be added to the meeting by the moderator. Your comments will be recorded and are limited to a duration of three (3) minutes in length.

- E. **MOAB UMTRA PROJECT UPDATE (DOE Federal Cleanup Director, Matthew Udovitsch)**
- F. **PRESENTATION OF THE DOE ANNUAL STATEMENT OF CONTINUED COMPLIANCE WITH GRAND COUNTY'S CONDITIONAL USE PERMIT FOR THE MOAB UMTRA PROJECT (DOE Federal Cleanup Director, Matthew Udovitsch)**
- G. **ACTION ITEM: CONSIDERATION OF APPROVAL OF THE ANNUAL STATEMENT OF CONTINUED COMPLIANCE (Chair, Mary McGann)**
- H. **AIR MONITORING AND LIAISON ACTIVITIES STATUS UPDATE (UMTRA Liaison, Jessica Thacker)**
- I. **STAKEHOLDERS UPDATES**
- J. **FUTURE CONSIDERATIONS (Chair, Mary McGann)**
 - a. 2025 MTPSC Meeting Dates (October 28)
- K. **ADJOURNMENT**

NOTE: Individuals with special needs requests wishing to attend MTPSC meetings are encouraged to contact the Grand County UMTRA Liaison at least twenty-four (24) hours in advance of these events. Specific accommodations necessary to allow participation of disabled persons will be provided to the maximum extent possible. T.D.D. (Telecommunication Device for the Deaf) calls can be answered at: 435-259-1346. Individuals with speech and/or hearing impairments may also call Relay Utah by dialing 711 or Spanish Relay Utah at 888-346-3162. Please contact the UMTRA Liaison for general requests, or any questions or comments at jthacker@grandcountyutah.gov.

Dated this 21st day of July 2025

Jessica Thacker

s/S Jessica Thacker, UMTRA Liaison

MOAB TAILINGS PROJECT STEERING COMMITTEE

Quarterly Meeting

Anchor Location: Grand County Commission Chambers 125 E Center St, Moab, UT 84532

Held virtually on Zoom and Livestreamed on YouTube

MTPSC MINUTES

Tuesday, January 28, 2025 at 3:00PM (MST)

A. CALL TO ORDER

The January 28, 2025 quarterly meeting of the Moab Tailings Project Steering Committee was called to order at 3:03pm. The following committee members were in attendance:

Mary McGann (Grand County Commission), Bill Jackson (Grand Co. Roads Department), Ben Musselman (Grand Water and Sewer Service Agency), Joette Langianese (Grand County Resident Representative), Amy Tendick (National Park Service), Cora Phillips (Grand County Emergency Services Management), Colin Topper (City of Moab Representative), Joel Brown (Representative from the Utah Senate District 26 State Senator's Office),

The following non-committee members were in attendance:

Matt Udovitsch (DOE), Barbara Michel (DOE), Liz Moran (Pro2Serve, Technical Assistance Contract), Thomas Bachtell (Pro2Serve, Technical Assistance Contract), Kris Bangard (Pro2Serve, Technical Assistance Contract), Carla Johnson (Pro2Serve, Technical Assistance Contract), Christopher Pulskamp (DOE), Russ von Koch (Site Futures Committee), Bill Winfield (Grand County Commissioner), and Jessica Thacker (Grand County UMTRA Liaison/Technical Inspector).

Per Resolution 3198 at least seven committee members were present to constitute a quorum.

B. INTRODUCTIONS

C. APPROVAL OF OCTOBER 22, 2024 MINUTES

MOTION: Joette Langianese motioned to approve the minutes for the October 22, 2024 meeting. Seconded by Cora Phillips. All in favor – motion passes.

D. CITIZENS TO BE HEARD

No comments were received.

E. MOAB UMTRA PROJECT UPDATE

Matt Udovitsch provided a detailed project update reporting significant progress on the project, highlighting that 15 million tons had been reached with a celebration. He indicated they were four trains ahead of schedule with 323,675 tons moved, despite a week-long holiday break. Matt Udovitsch also expressed appreciation and congratulations to Christopher Pulskamp for his new role as Deputy Federal Cleanup Director, citing experience and professionalism. He also summarized the timeline and actions to facilitate site closure and land transfer considerations.

Christopher Pulskamp presented updates on the final status survey, explaining their comprehensive assessment approach using 16,000 100-meter square grids. He stated that had implemented a high-tech gamma spec machine on wheels for efficient data collection, with samples taken every two centimeters and that the data is uploaded via GPS into a specialized database for real-time evaluation. Christopher Pulskamp stated that the Project had hired a third-party to evaluate the program and documentation and provide third-party data verification. A brief discussion on supplemental standards ensued.

Liz Moran provided a brief project update in regards to groundwater remediation processes and stated that the system was currently winterized and surface sampling would begin taking place the following week. She indicated the GCAP would have a conceptual site groundwater model that would be started midway through 2025 and hopefully be completed by January 2026. A brief discussion on groundwater monitoring after site closure ensued.

Barbara Mitchell discussed collaboration with the Moab Museum for the U92 exhibition opening on February 15th, 2025. She also mentioned website changes and proposed rescheduling considerations for the Los Colonias and Crescent Junction site tours.

Discussions on future funding requests and lobbying efforts, final closure activities at Crescent Junction and ET cover, and collaboration between the Grand County and City of Moab regarding the potential land transfer following site closure ensued.

F. AIR MONITORING AND LIAISON ACTIVITIES STATUS UPDATES

Jessica Thacker provided a detailed presentation regarding activities observed at the Project along with a summary of air monitoring data for both sites (Moab and Crescent Junction). The status update can be found on the Grand County Moab UMTRA website or by email at jthacker@grandcountyutah.net

G. STAKEHOLDERS UPDATE

No stakeholders update were provided.

H. FUTURE CONSIDERATIONS

Jessica Thacker indicated that once she had received confirmation of the Grand County audit dates, she would inform stakeholders if the meeting would need to be rescheduled.

I. ADJOURNMENT

Mary McGann adjourned the meeting at 3:55PM.

MOAB TAILINGS PROJECT STEERING COMMITTEE

Quarterly Meeting

Anchor Location: Grand County Commission Chambers 125 E Center St, Moab, UT 84532

YouTube: <https://www.youtube.com/watch?v=PqMG7PDz1Ac>

MTPSC MINUTES

Tuesday, April 22, 2025 at 3:00PM (MST)

A. CALL TO ORDER

The April 22, 2025 quarterly meeting of the Moab Tailings Project Steering Committee was called to order at 3:02pm. The following committee members were in attendance:

Joette Langianese (Grand County Resident Representative), Ben Fredregill (Grand County Economic Development), Bill Jackson (Grand Co. Roads Department), Colin Topper (City of Moab Representative), Tony Mancuso (Department of Natural Resources), Joel Brown (Representative from the Utah Senate District 26 State Senator's Office), and Dave Pals (BLM).

The following non-committee members were in attendance:

Matt Udovitsch (DOE), Barbara Michel (DOE), Thomas Bachtell (Pro2Serve, Technical Assistance Contract), Christopher Pulskamp (DOE), Carla Johnson (Pro2Serve, Technical Assistance Contract), Kenny Shafer (DOE), Steven Volwes (Grand County Clerk/Auditor), Jessica Thacker (Grand County UMTRA Liaison/Technical Inspector), Lee Shenton (Citizen), Tim Parker (Citizen), and Siobhan Kitchen (Citizen).

Per Resolution 3198 at least seven committee members were present to constitute a quorum.

B. INTRODUCTIONS

C. APPROVAL OF JANUARY 28, 2025 MINUTES

Minutes from the January 28, 2025 meeting were not reviewed due to an incorrect date listed on the meeting agenda. They will be presented for approval at the July 22, 2025 meeting.

D. CITIZENS TO BE HEARD

Public citizens Lee Shenton, Tim Parker, and Siobhan Kitchen were present. No formal public comments were submitted.

E. MOAB UMTRA PROJECT UPDATE

Matthew Udovitsch reported that the Department of Energy (DOE) had entered Phase 2 of its Integrated Project Team (IPT) planning with the Office of Legacy Management (LM) in preparation for eventual site closure. This phase focuses on developing technical workgroups to ensure that the handoff of responsibilities is seamless and efficient. The goal is to maintain continuity and regulatory compliance as the project transitions to LM oversight, ensuring that data systems, procedures, and environmental responsibilities are preserved without disruption.

As of April 2025, a total of ~15.5 million tons of tailings have been shipped from the Moab site to the Crescent Junction disposal facility. The site remains six shipments ahead of schedule for the fiscal year, marking one of its most productive periods to date. While the primary tailings pile may be fully removed by the end of 2025, an estimated one million tons of additional contaminated material, including off-pile and sub-pile sources, remains to be addressed. Full remediation of these remaining materials is anticipated by mid-2027, adhering to EPA 192 standards or approved supplemental standards, depending on site-specific conditions.

Matt Udovitsch also reported on project funding, noting that the site is currently operating under a full-year

continuing resolution (CR) budget of \$67 million, which is adequate to sustain current operations. Joette Langianese added that she had recently met with Utah's congressional delegation in Washington, D.C., where she advocated for maintaining this level of funding through the project's conclusion. She expressed optimism about continued support but acknowledged that Congress will expect the project team to identify when such a high funding level is no longer necessary. DOE also met with two recently appointed federal officials and plans to return to Washington in June to continue building awareness among political leadership, many of whom are unfamiliar with the scope and history of the Moab UMTRA Project.

Chris Pulskamp provided an update on the proposed transition from a traditional rock-armored cap to an evapotranspiration (ET) cover at the Crescent Junction disposal cell. He stated that the DOE had submitted the complete design along with a redline-strikeout version of the updated Remedial Action Plan (RAP) to the Nuclear Regulatory Commission (NRC). While formal concurrence from the NRC is still pending, DOE anticipates approval within the current fiscal year, following final review of a supplemental NEPA analysis. If granted, this would allow DOE to begin construction of the ET cover as early as 2026, ahead of the previously projected 2027 start date. Full construction is expected to conclude in 2029, coinciding with site closure.

The update also covered the ongoing development of the Groundwater Compliance Action Plan (GCAP), which outlines the long-term remediation strategy for groundwater at the site. Matt Udovitsch explained that the current focus is on completing a three-phase modeling effort involving refinement of the conceptual site model, calibration of flow modeling, and fate-and-transport analysis. The modeling is expected to be complete by early 2026, which will allow DOE to finalize a robust and defensible GCAP. Udovitsch noted that DOE is currently ahead of schedule on this front and is exploring ways to further accelerate progress in collaboration with regulatory partners.

Kenny Schafer provided an overview of the Final Status Survey (FSS), which verifies that soils at the site meet cleanup criteria. He reported that approximately 3,000 of the 14,000 planned survey units have been completed to date, primarily in areas already believed to be clean. Surveyors will soon begin testing within previously contaminated areas using gamma scanning and soil sampling, supplemented by historic borehole data from the early 2000s to assess contamination depths. Independent verification will be conducted by the Oak Ridge Institute for Science and Education (ORISE), which will develop its own sampling plan to validate DOE findings.

Lastly, Barbara Michel provided an update on recent and upcoming community engagement efforts. She highlighted the Moab Museum's opening of its U92 uranium exhibit, which DOE participated in, and noted that a second phase of the exhibit is expected to open in July 2025. She is coordinating a rescheduled tour of the Los Colonias Park site in Grand Junction for stakeholders and is also planning a site tour of the Crescent Junction disposal facility for members of the Steering Committee. She noted the importance of direct engagement with newly elected Representative Mike Kennedy. A tour is being explored for mid-May to give the congressman a firsthand understanding of the site's scale and progress.

F. AIR MONITORING AND LIAISON ACTIVITIES STATUS UPDATES

Jessica Thacker provided a detailed presentation regarding activities observed at the Project along with a summary of air monitoring data for both sites (Moab and Crescent Junction). The status update can be found on the Grand County Moab UMTRA website or by email at jthacker@grandcountyutah.gov

G. STAKEHOLDERS UPDATE

Ben Fredregill reported that the office name had been updated to the Moab Office of Tourism, with economic development responsibilities shifting to the Grand County Commission. Bill Jackson discussed the ongoing challenge of sourcing clean fill material, noting that storm-related debris may be stockpiled for potential use in site restoration if it meets regulatory standards. Tony Mancuso affirmed that work on permitting for monitoring below the high-water mark is ongoing. Joette Langianese shared that Senators Curtis and Lee had introduced legislation in Congress to transfer the Moab UMTRA site property to Grand County upon completion of the project. The bill includes language prohibiting the land's sale or lease to private or nonprofit entities, ensuring it remains under local public jurisdiction. She stated that the City is maintaining close coordination through a Memorandum of Understanding (MOU) for future site planning and

development.

H. FUTURE CONSIDERATIONS

I. ADJOURNMENT

Joette Langanese adjourned the meeting at 3:51PM.

Respectfully submitted to the Steering Committee,

Jessica Thacker

Jessica Thacker

UMTRA Liaison, Moab Tailings Project Steering Committee

DRAFT



Moab Tailings Project Steering Committee (MTPSC) Mtg.
July 22, 2025

Quarterly Reporting Period: April 23 – July 22, 2025

Reporting Period Highlights

Annual Statement of Continued Compliance

- Submitted to Grand County Commission on 7/21/25

Haul Report

- As of 7/18/25 more than 15.8 million tons of RRM has been moved from the Moab site to the Crescent Junction site.

Budget

- The President signed a Continuing Resolution (CR) in March which extends funding through the remainder of this fiscal year (FY).

Crescent Junction Site Disposal Cell

- Regulatory
 - The Revised Remedial Action Plan (RAP) and the final design for the Evapotranspiration (ET) Cover are still being reviewed by the Nuclear Regulatory Commission (NRC)
 - The NRC approved the Project's variance request for placement of various items in the disposal cell, including equipment that has aged out of service.

Groundwater

- Groundwater Compliance Action Plan (GCAP) modeling continues, a draft report is expected this fall.
- Field investigations to support GCAP development will conclude this calendar year.

Final Status Survey (FSS)

- FSS is on-going, with work being completed by the RAC contractor.
- The Oak Ridge Institute of Science and Engineering (ORISE), who will be performing independent verification of the FSS process and outcomes, visited the Project in May.

Public Affairs

- Stakeholder collaborations - Moab Museum and Moab Festival of Science
- Los Colonias Tour & Discussion on 10/2/25
 - For MTPSC members, City of Moab, and Grand County Commission
- Crescent Junction Site Tour on 10/9/25
 - For MTPSC members

MOAB UMTRA PROJECT

URANIUM MILL TAILINGS REMEDIAL ACTION

MOAB, UTAH



Panoramic view of Moab UMTRA Site (April 2025)



Prepared by:

Jessica Thacker

UMTRA Liaison/Technical Inspector

MTPSC Status Update

07.22.2025

INTRODUCTION & PURPOSE

The UMTRA Liaison/Technical Inspector position, as established by Grand County Resolution 3198 and located within the Grand County Planning and Zoning (P&Z) 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 (*company defunct*)~~
- 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, 2026.

UMTRA SITE MAP



Google Maps – Image not to scale

OBSERVATION POINT #1

APR 2025



JUNE 2025



OBSERVATION POINT #2

APR 2025



JUNE 2025



OBSERVATION POINT #4

APR 2025



JUNE 2025



OBSERVATION POINT #5

APR 2025



JUNE 2025

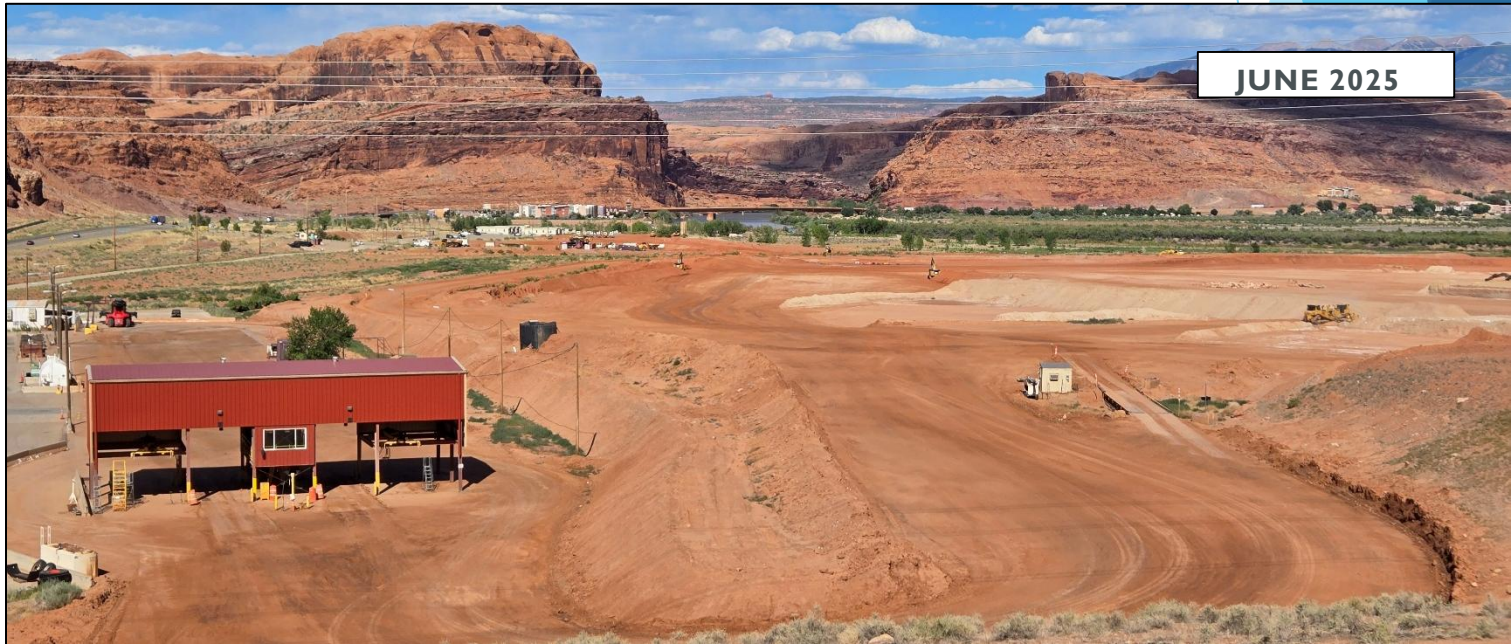


OBSERVATION POINT #6

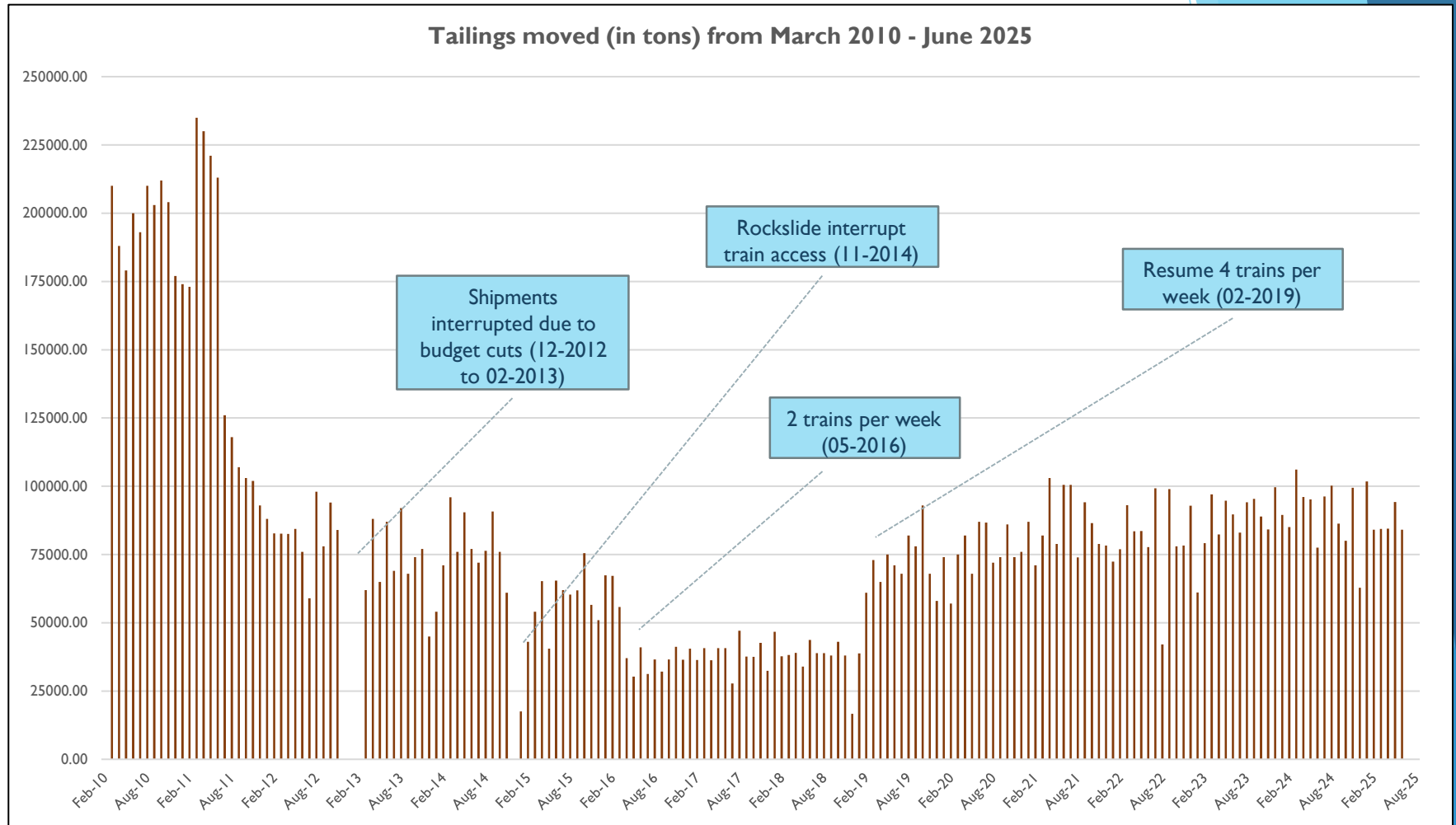
APR 2025



JUNE 2025

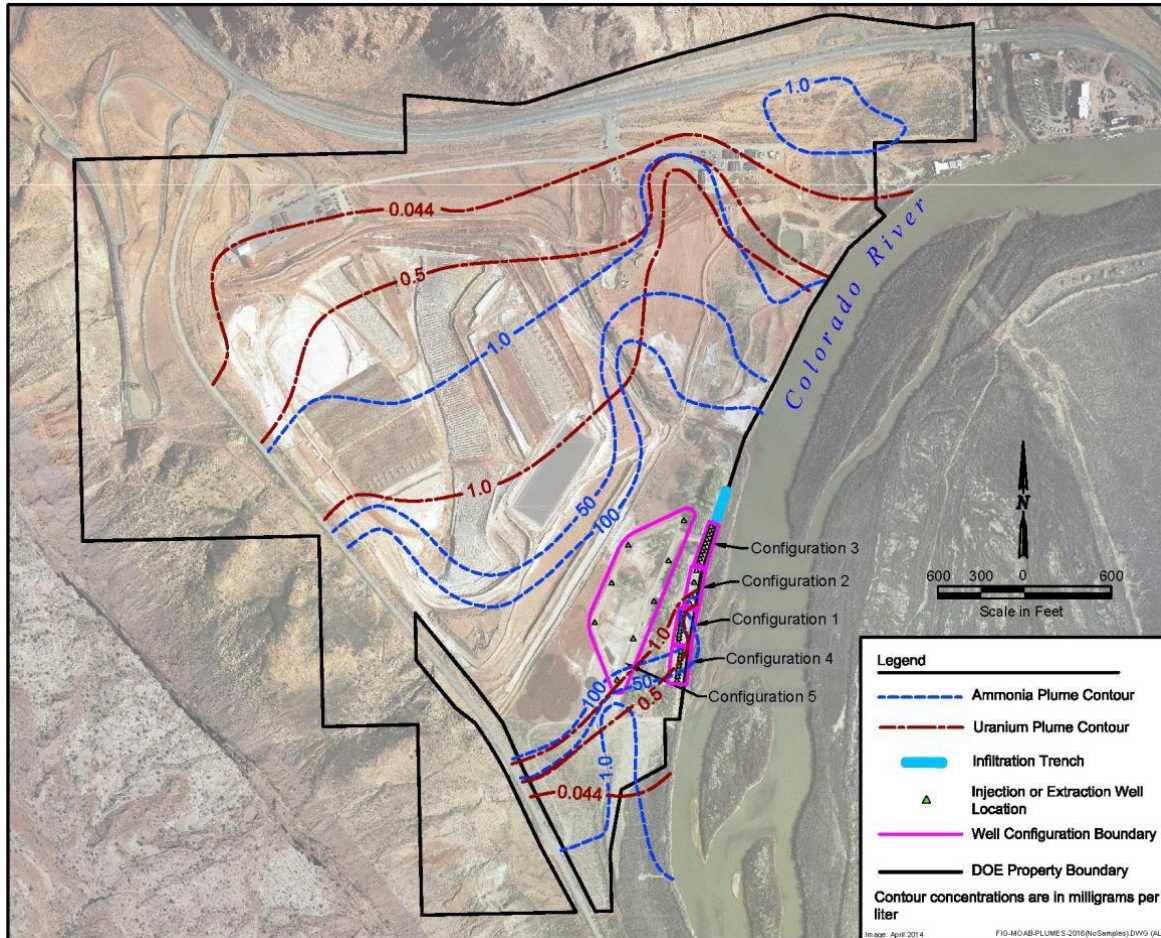


TAILINGS SUMMARY - OVERALL



- At the end of June 2025, approximately 15.7 million tons of tailings and mill debris has been shipped to the Crescent Junction site for disposal. Approximately 84,099 tons of tailings and mill debris were moved in June 2025 (end of 2Q25).
- Indicates that 98.4% 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

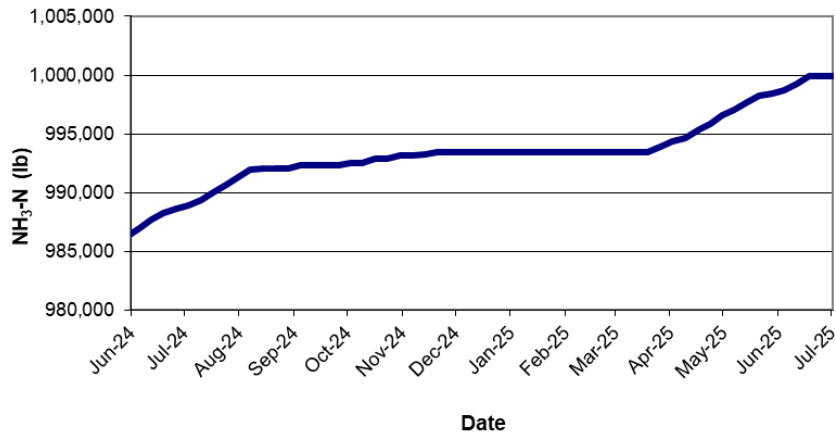


- In 2003, DOE implemented an interim action system at the Moab site to address concerns regarding elevated ammonia and uranium concentrations in groundwater discharging to the Colorado River. A total of five well configurations are used to reduce the amount of ammonia and uranium that discharges to the river.
- Groundwater extraction is through Configuration 5 wells, which are located closer to the tailings pile.

Image: https://www.gjem.energy.gov/general/interim_gw_action.htm

GROUNDWATER REMEDIATION

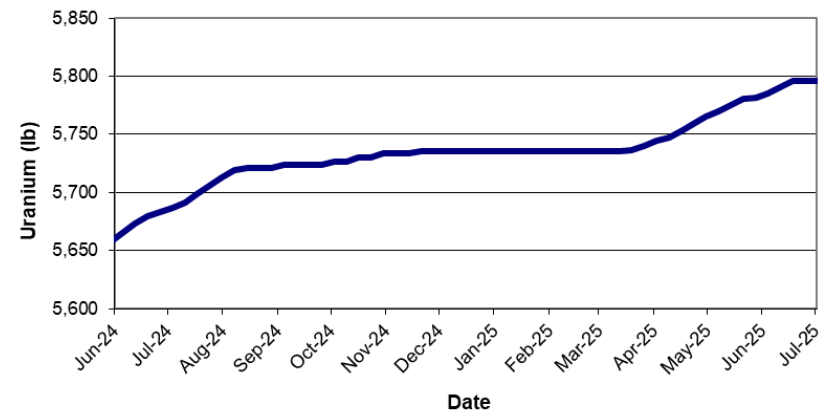
Interim Action Groundwater System
Cumulative Mass of Ammonia Extracted



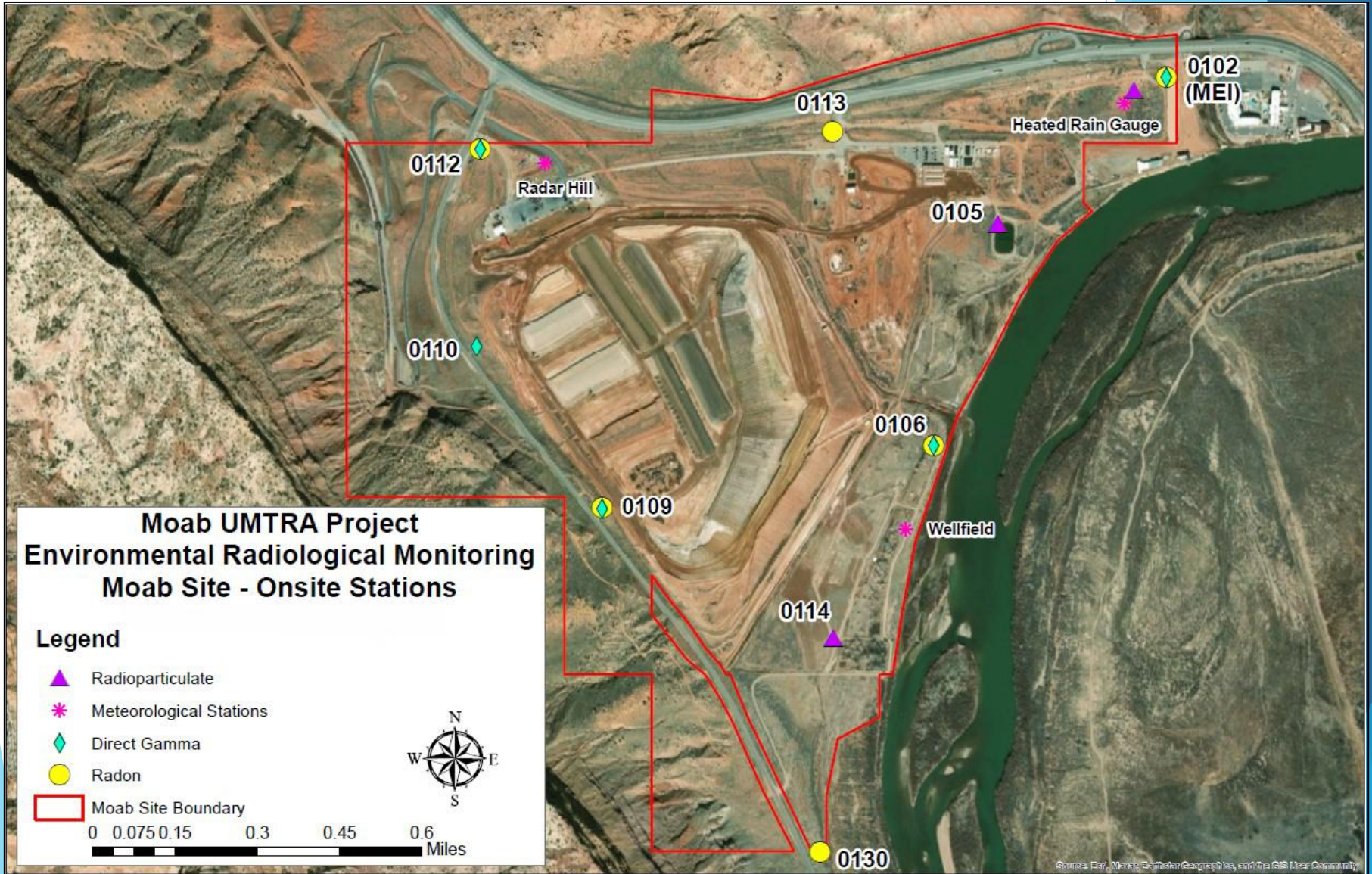
Over the life of the Project, extraction has prevented 999,946 pounds of ammonia and 5,796 pounds of uranium from reaching the river.

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 2025, more than 4 million gallons of water has been injected.

Interim Action Groundwater System
Cumulative Mass of Uranium Extracted



AIR MONITORING MAPS - MOAB SITE



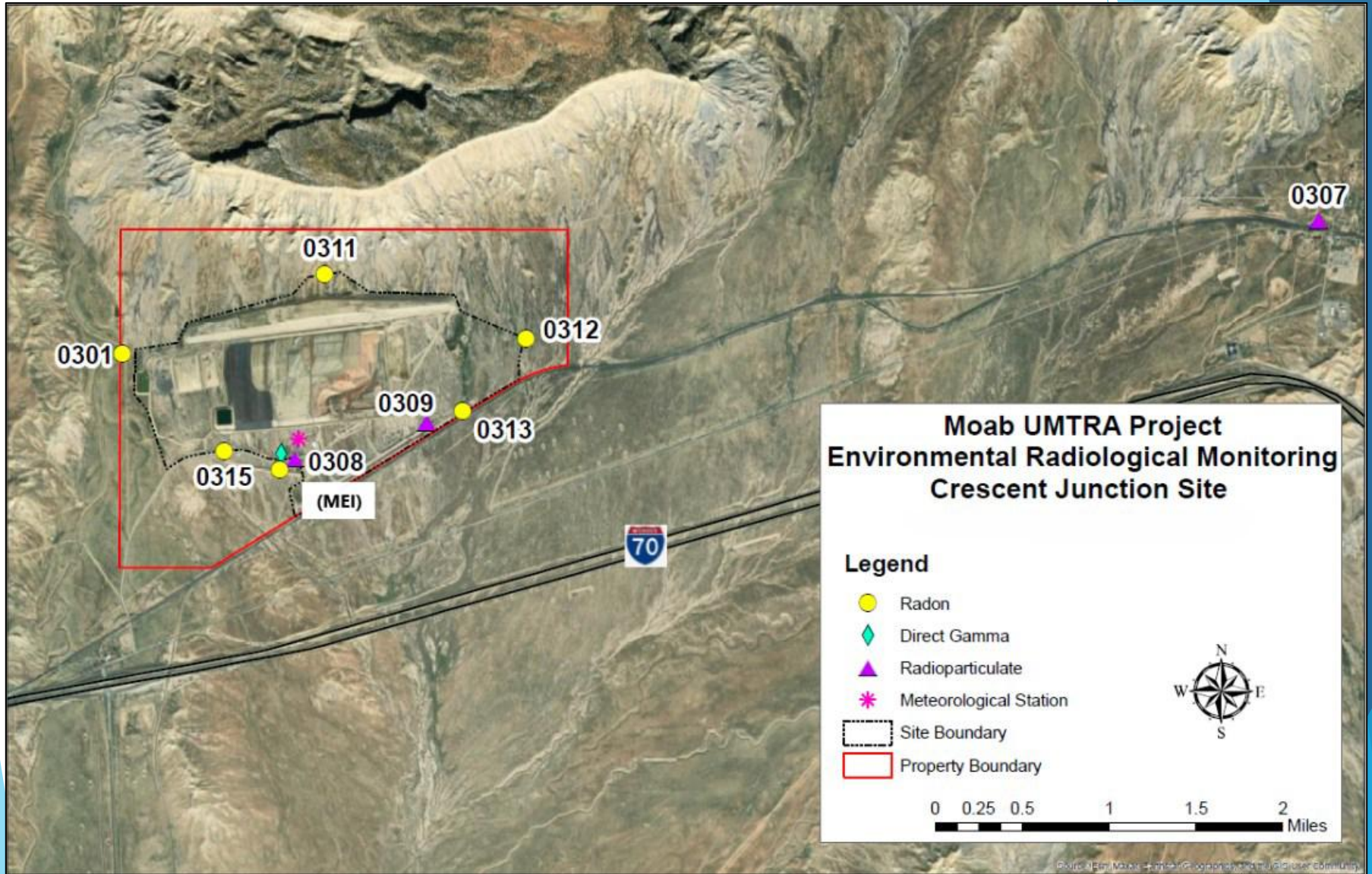
AIR MONITORING & GROUNDWATER REMEDIATION DATA SUMMARY 2Q24 thru 1Q25 - Radon (Moab)

Station Number	2nd Quarter 2024 (pCi/L)	3rd Quarter 2024 (pCi/L)	4th Quarter 2024 (pCi/L)	1st Quarter 2025 (pCi/L)	Past 4 Quarters Average (pCi/L) (Background subtracted)
0102 (MEI)	0.59	0.73	1.90	1.00	0.46
0130	0.89	0.97	2.20	1.10	0.69
0109	1.10	1.10	1.60	0.78	0.55
0112	0.81	1.20	1.80	0.78	0.55
0113	0.76	1.20	2.60	1.10	0.82
0106	1.40	1.40	4.50	3.20	2.03

AIR MONITORING & GROUNDWATER REMEDIATION DATA SUMMARY 2Q24 thru 1Q25 - Radioparticulates (Moab)

Station Number & Description	2nd Quarter 2024 (mrem)	3rd Quarter 2024 (mrem)	4th Quarter 2024 (mrem)	1st Quarter 2025 (mrem)	Past 4 Quarters Total (mrem)
0102 (MEI)	0.20	0.31	0.43	0.30	1.24
0105	0.46	0.45	0.50	0.39	1.80
0114	0.56	0.70	0.38	0.57	2.21
0117	0.17	0.08	0.16	0.19	0.60
0118	0.41	0.33	0.38	0.27	1.39
0119	0.24	0.25	0.36	0.30	1.15
0122	0.17	0.11	0.32	0.22	0.82
0123	0.16	0.28	0.32	0.21	0.97
0129	0.98	0.61	0.52	0.55	2.66

AIR MONITORING MAPS - CRESCENT JUNCTION SITE



AIR MONITORING & GROUNDWATER REMEDIATION DATA SUMMARY 2Q24 thru 1Q25 - Radon (CJ Site)

Station Number	2nd Quarter 2024 (pCi/L)	3rd Quarter 2024 (pCi/L)	4th Quarter 2024 (pCi/L)	1st Quarter 2025 (pCi/L)	Past 4 Quarters Average (pCi/L) (Background subtracted)
0301	0.22	0.38	0.68	0.38	BKGD
0308 (MEI)	N/A	N/A	1.90	1.10	0.90
0311	0.19	0.38	0.70	0.32	BKGD
0312	0.32	0.46	1.10	0.49	BKGD
0313	0.65	0.84	2.10	1.40	0.65
0314 (Eliminated)	0.43	0.97	N/A	N/A	0.10
0315	0.46	0.51	1.10	0.65	0.08

AIR MONITORING & GROUNDWATER REMEDIATION DATA SUMMARY 2Q24 thru 1Q25 - Radioparticulates (CJ)

Station Number & Description	2nd Quarter 2024 (mrem)	3rd Quarter 2024 (mrem)	4th Quarter 2024 (mrem)	1st Quarter 2025 (mrem)	Past 4 Quarters Total (mrem)
CJ Stations					
0307	0.17	0.18	0.27	0.20	0.82
0308 (MEI)	0.23	0.30	0.41	0.35	1.29
0309	0.37	0.44	0.53	0.51	1.85

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-Commi>
- Moab UMTRA Project Five-Year Site Plan FY's 2022-2026 (DOE): <https://www.gjem.energy.gov/documents/Five-YearSitePlan22.pdf>
- Moab UMTRA Project Surface Water and Groundwater Project Documents <https://www.energy.gov/em/moab/surface-water-and-groundwater>
- **Public meetings**
- *Moab Tailings Project Steering Committee, quarterly (October 28)*
- *Site Futures Committee: 2013, 2018, and 2023*
- **UMTRA Reading Room (Library)**
- **Contact Grand County's UMTRA Liaison at** jthacker@grandcountyutah.net

QUESTIONS?