

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: 821 7971 9912

Passcode (as needed): 919144

Link: <https://us06web.zoom.us/j/82179719912?pwd=jbBftPojvVpP7PFtEcSrpOWb8WuROK.1>

AGENDA

Tuesday, October 24, 2023 at 3:00PM (MST)

A. CALL TO ORDER (3:00PM)

B. INTRODUCTIONS (Interim Chair, Rani Derasary)

C. APPROVAL OF MINUTES (Interim Chair, Rani Derasary)

a. July 25, 2023 Quarterly Meeting

D. CITIZENS TO BE HEARD

We are receiving public comments by phone and online through Zoom.

Meeting ID: 821 7971 9912 Passcode (as needed): 919144

Link: <https://us06web.zoom.us/j/82179719912?pwd=jbBftPojvVpP7PFtEcSrpOWb8WuROK.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 (Acting DOE Federal Cleanup Director, Matthew Udovitsch)

F. REPORT ON TOUR OF LAS COLONIAS PARK IN GRAND JUNCTION, COLORADO (Interim Chair, Rani Derasary)

G. CELEBRATION OF THE MILLION TONS OF TAILINGS REMOVED IN DECEMBER (TAC Public Affairs Specialist, Barbara Michel)

H. DEPARTURE OF MOAB TAILINGS PROJECT STEERING COMMITTEE MEMBER, RANI DERASARY

I. REPORT ON UMTRA LEADERSHIP MEETING (Interim Chair, Rani Derasary)

J. AIR MONITORING AND LIAISON ACTIVITIES STATUS UPDATE (UMTRA Liaison, Jessica Thacker)

K. STAKEHOLDERS UPDATES

L. FUTURE CONSIDERATIONS (Interim Chair, Rani Derasary)

a. 2024 MTPSC Meeting Dates (January 23, April 23, July 23, October 22)

M. 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.net.

Dated this 23rd day of October 2023

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, July 25, 2023 at 3:00PM (MST)

A. CALL TO ORDER

The July 25, 2023 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), Cora Phillips (Grand County Office of Emergency Management), Tony Mancuso (Department of Natural Resources), Dave Pals (Bureau of Land Management), Elissa Martin (Grand County Planning Department), Rani Derasary (City of Moab), Kelly Thorton (Department of Workforce Services), Bill Jackson (Grand County Roads Department), and Phil Goble (Utah Department of Environmental Quality).

The following non-committee members were in attendance:

Jim Ritchey (North Wind Portage, Remedial Action Contract), Liz Moran (Pro2Serve, Technical Assistance Contract), Ken Pill (DOE), Ken Kiesel (North Wind Portage, Remedial Action Contract), Steve Rima ((North Wind Portage, Remedial Action Contract), Aly Austin (Pro2Serve, Technical Assistance Contract), Michelle Shaffer (Pro2Serve, Technical Assistance Contract), Barbara Michel (DOE), Lee Tucker (DOE), 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 MINUTES

MOTION: Rani Derasary motioned to approve the minutes for the April 24, 2023 meeting. Seconded by Tony Mancuso. All in favor – motion passes.

D. CITIZENS TO BE HEARD

No comments were received.

E. MOAB UMTRA PROJECT UPDATE

Liz Moran provided a detailed project update stating that the project continues to be on track for tailings removal and that the removal of the fourteen (14) historical autoclaves had been completed. Ken Kiesel stated that the asbestos had been removed from the autoclaves, but the steel remained. Liz Moran stated that the Phase 4 cell expansion at the Crescent Junction site had been completed and provided an update on the proposed ET cover at that location. She stated that the Technical Assistance Contract had been awarded as well as provided an update on the progress of the groundwater remediation plan. Liz Moran stated that three (3) hydroxy apatite injections as part of a groundwater remediation pilot study had been completed in April and stated that the results were promising.

F. PRESENTATION OF THE DOE ANNUAL STATEMENT OF CONTINUED COMPLIANCE WITH GRAND COUNTY'S CONDITIONAL USE PERMIT FOR THE MOAB UMTRA PROJECT

Liz Moran provided an overview of the project's progress stating that 86% of the tailings pile had been relocated to the Crescent Junction site and indicated the Department of Energy's (DOE) commitment to continued compliance with Grand County's Conditional Use Permit. Mary McGann expressed appreciation to the project staff for their efforts.

G. CONSIDERATION OF APPROVAL OF THE ANNUAL STATEMENT OF CONTINUED COMPLIANCE

H. 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 full status update can be found on the Grand County Moab UMTRA website or by email at jthacker@grandcountyutah.net

I. STAKEHOLDERS UPDATE

Rani Derasary expressed appreciation to Russ von Koch and Noelle Giganoux for their efforts in the Site Futures presentation to the City Council. Tony Mancuso provided an update on his alternate contact for the Steering Committee. Cora Phillips stated that the Grand County of Emergency Management was currently drafting their Hazard Mitigation Plan and would provide an update when available. A brief discussion on how the asbestos removed from the autoclaves was transported to the Crescent Junction site.

J. FUTURE CONSIDERATIONS

No future considerations were provided.

K. ADJOURNMENT

Mary McGann adjourned the meeting at 3:45PM.

MOAB UMTRA PROJECT

URANIUM MILL TAILINGS REMEDIAL ACTION

MOAB, UTAH



Panoramic view of Moab UMTRA Site (9/24/2023)



Prepared by:
Jessica Thacker
UMTRA Liaison/Technical Inspector

MTPSC Status Update
October 24, 2023

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

JULY 2023



SEPT 2023



OBSERVATION POINT #2

JULY 2023

SEPT 2023

OBSERVATION POINT #3

JULY 2023



SEPT 2023



OBSERVATION POINT #4

JUL 2023



SEPT 2023



OBSERVATION POINT #6

JUL 2023

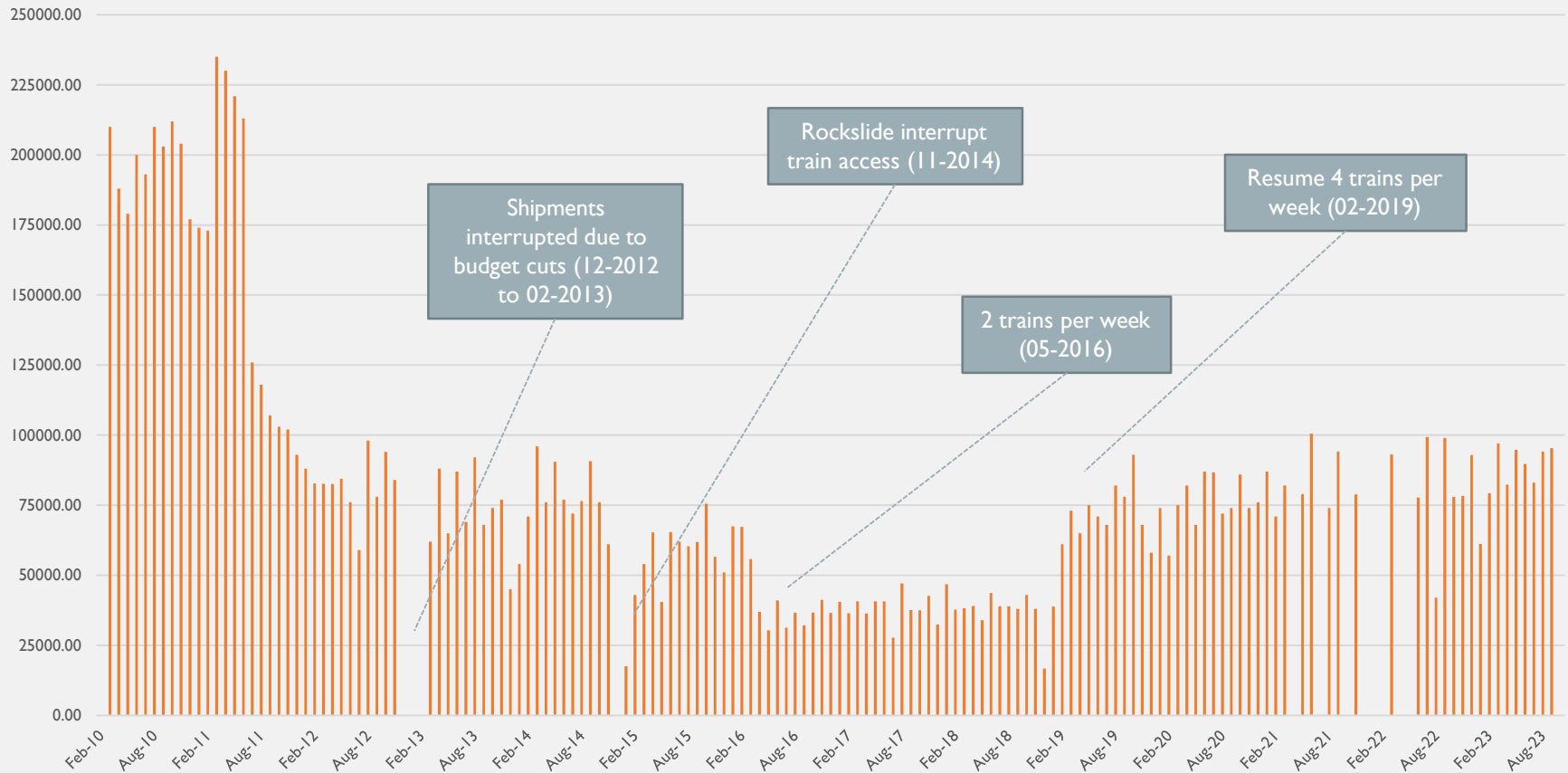


SEPT 2023



TAILINGS SUMMARY

Tailings moved (in tons) over time

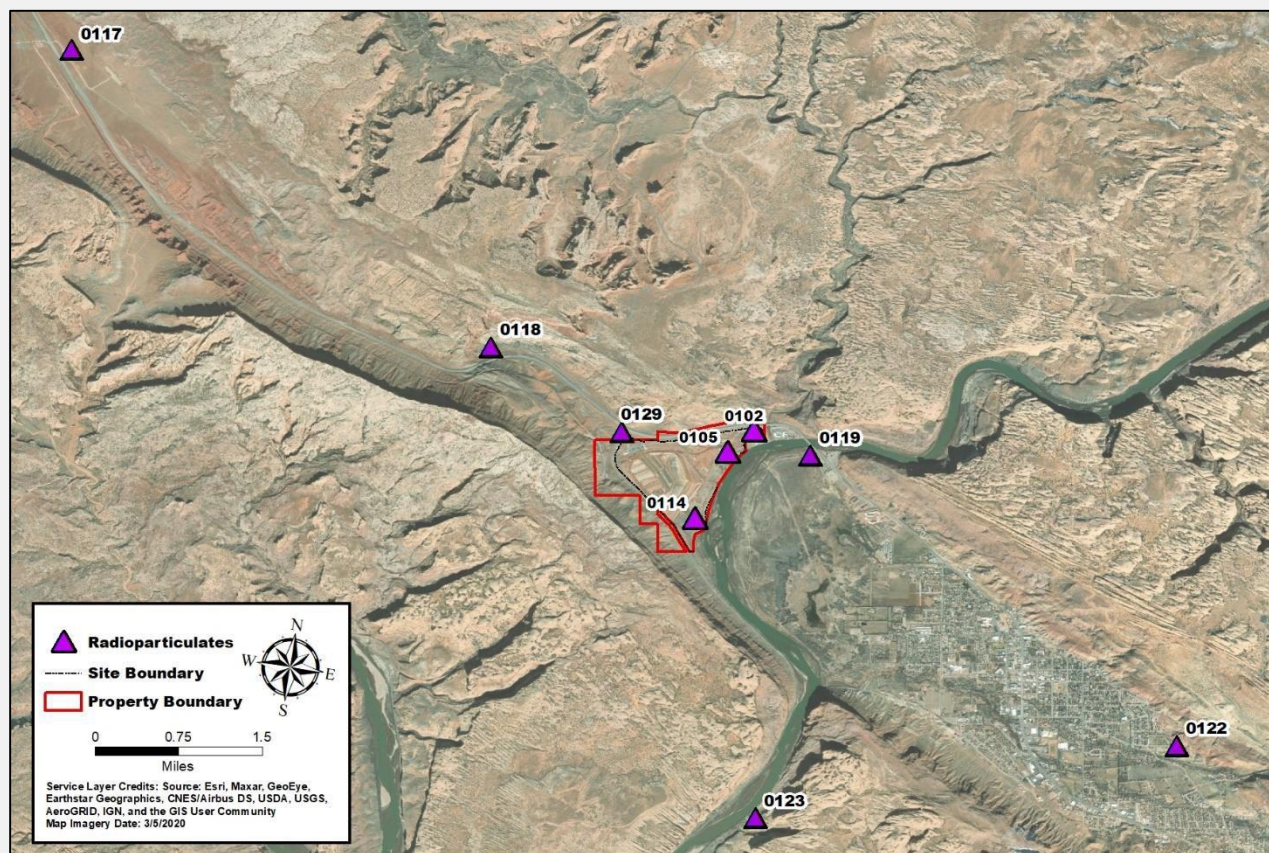


- At the end of September 2023, approximately 13.9 million tons of tailings and mill debris has been shipped to the Crescent Junction site for disposal. Approximately 95,367 tons of tailings and mill debris were moved in September 2023 (end of 3Q23).
- Indicates that 86.9% of the estimated 16 million 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.

RADIOPARTICULATES – I Q23

MONITORING STATIONS

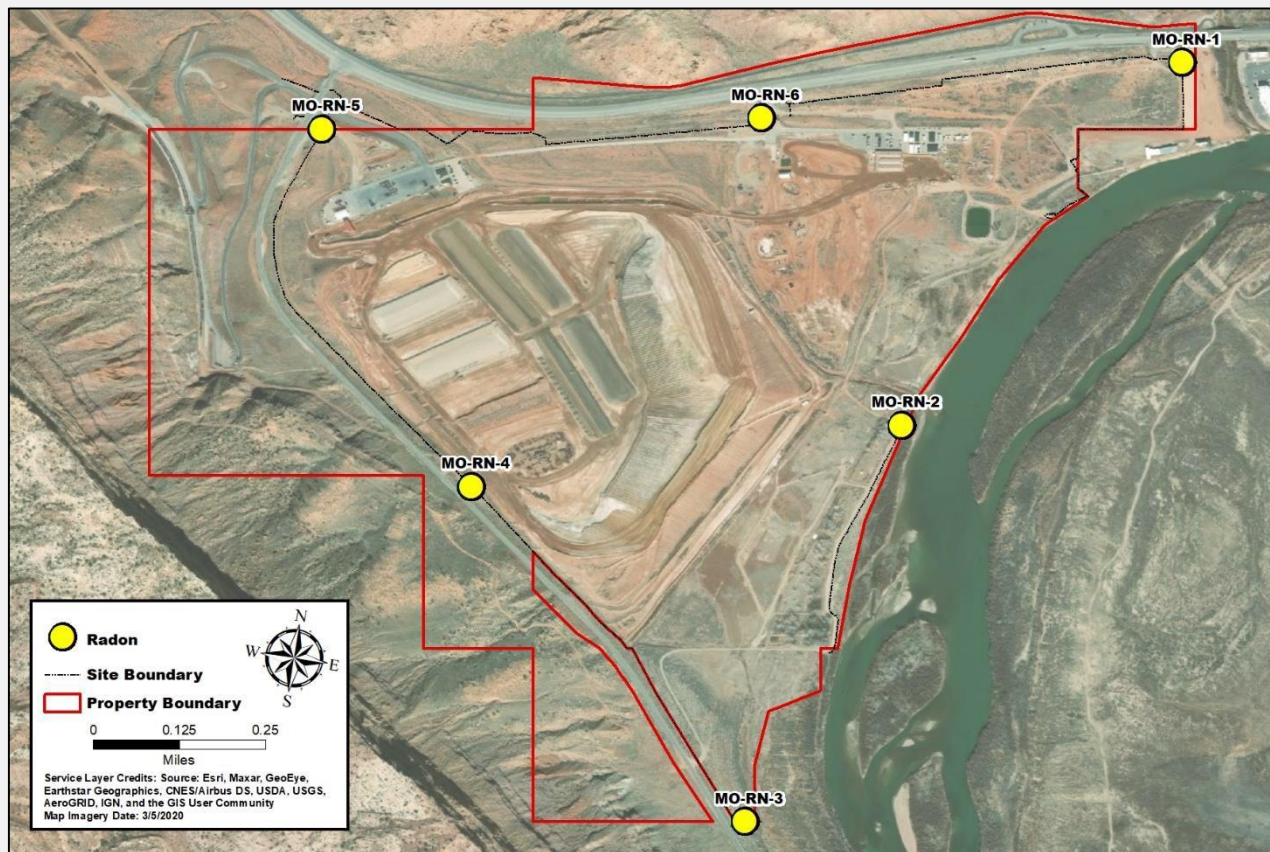
Station ID	Result (mrem)
MSP-0102-RP	1.86
MSP-0105-RP	2.17
MSP-0114-RP	3.27
MSP-0117-RP	1.99
MSP-0118-RP	3.25
MSP-0119-RP	1.71
MSP-0122-RP	1.58
MSP-0123-RP	1.53
MSP-0129-RP	3.61



RADON – IQ23

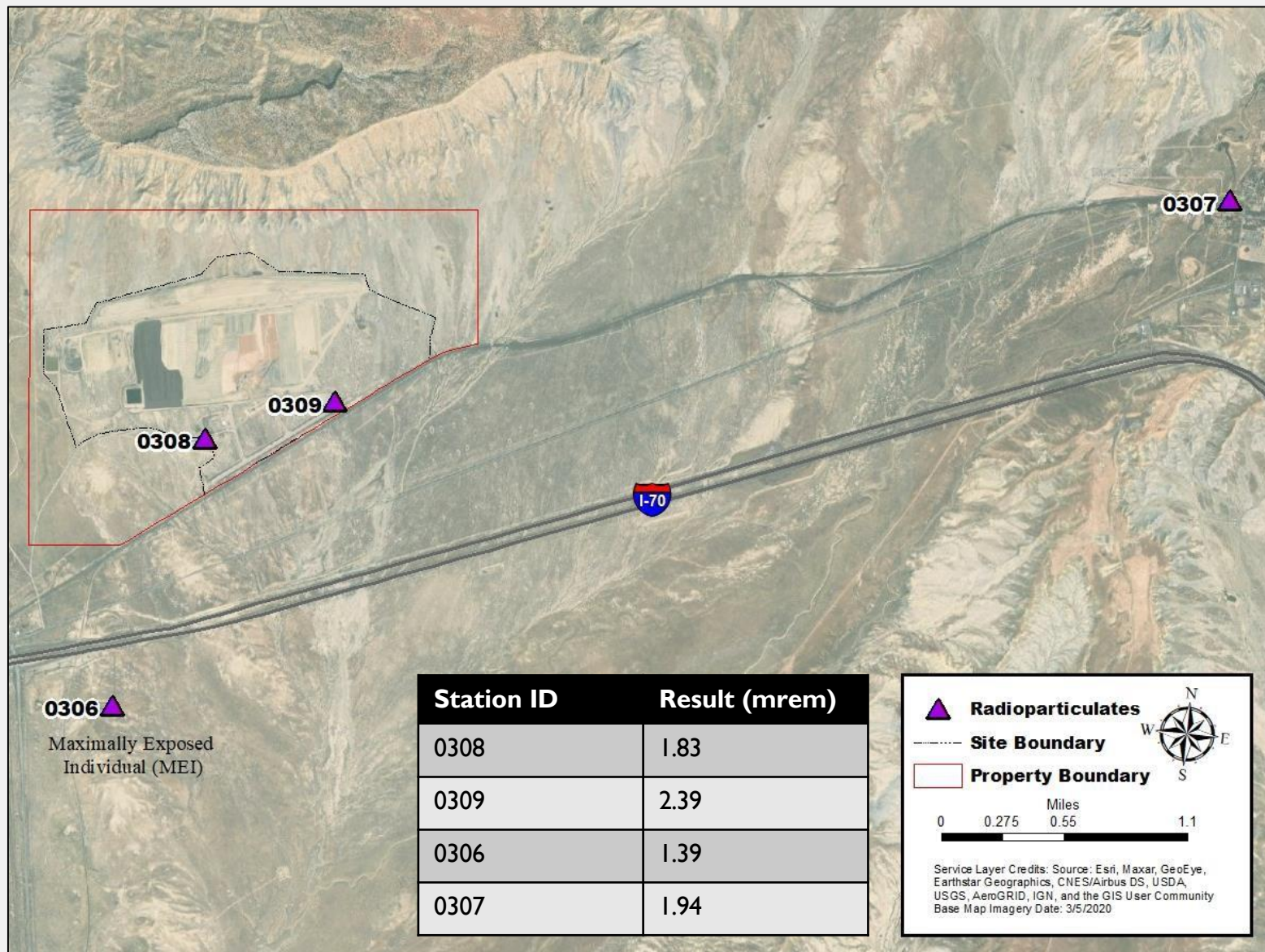
MONITORING STATIONS

Station ID	Result (pCi/L)
MO-RN-1	0.51
MO-RN-2	1.93
MO-RN-3	0.58
MO-RN-4	1.09
MO-RN-5	0.69
MO-RN-6	1.23



RADIOPARTICULATES – I Q23

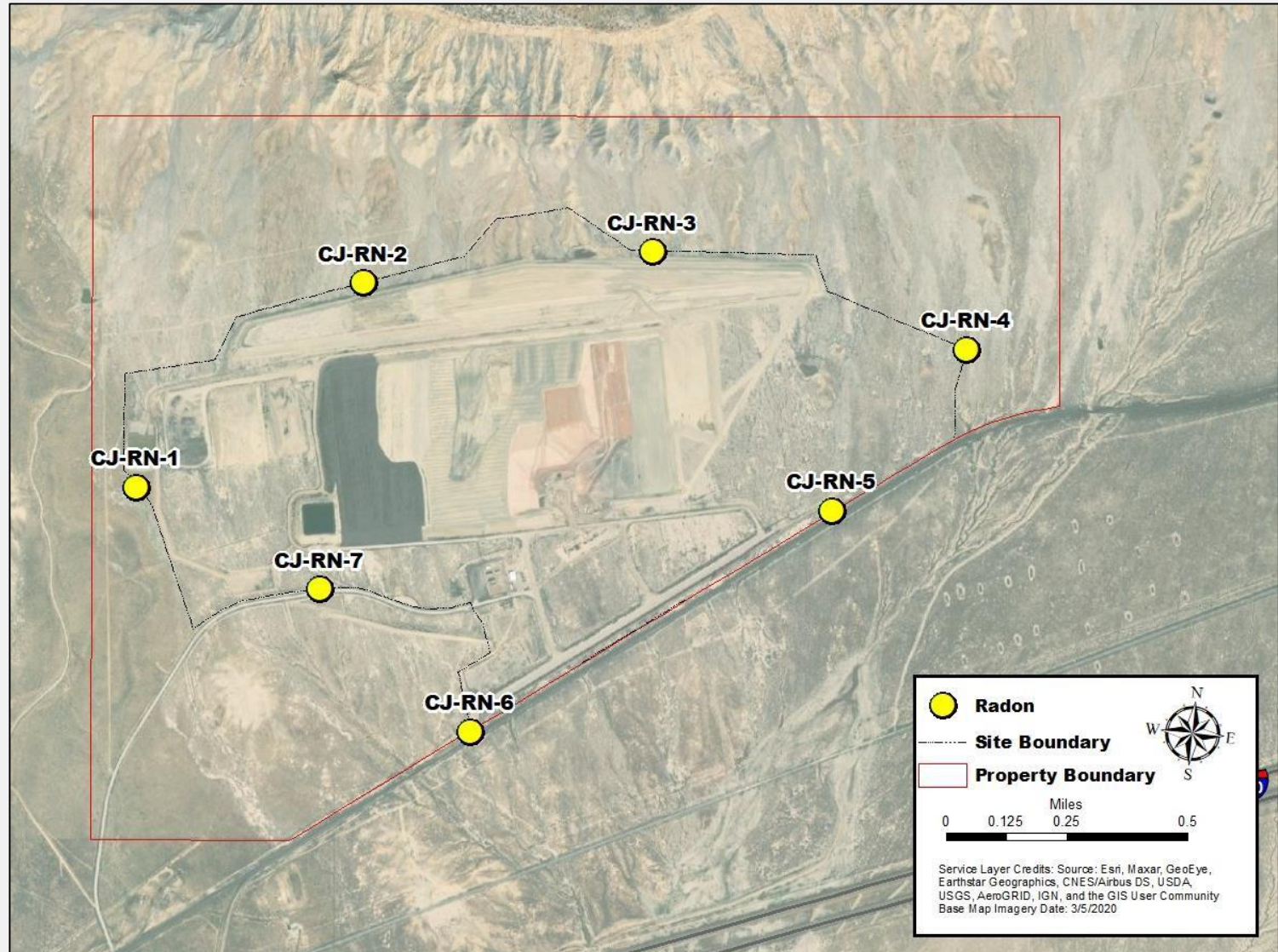
CRESCENT JUNCTION SITE



RADON – IQ23

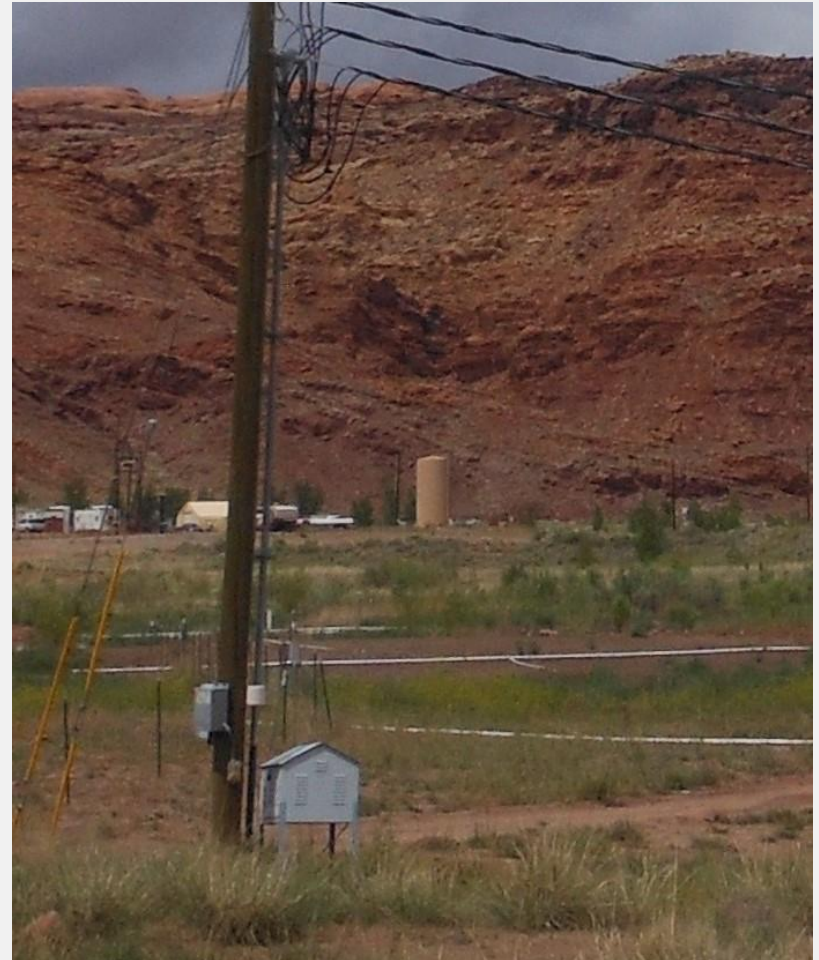
CRESCENT JUNCTION SITE

Station ID	Result (pCi/L)
CJ-RN-1 2	<Background
CJ-RN-2 2	<Background
CJ-RN-2A 1	<Background
CJ-RN-3	<Background
CJ-RN-4	<Background
CJ-RN-5	0.25
CJ-RN-6	0.42
CJ-RN-7	0.43
03011	0.02



AIR MONITORING DATA SUMMARY

- **Radioparticulates (for both sites):**
 - 13 monitoring stations up from 4Q22
- **Radon (for both sites):**
 - 11 monitoring stations down from 4Q22 results
 - 1 monitoring stations up from 4Q22 results
 - 3 monitoring stations had no change from 4Q22
- **Environmental Compliance and Plans for the Moab UMTRA Project can be found here:**
<https://www.energy.gov/em/moab/environmental-compliance-and-plans>



GROUNDWATER REMEDIATION

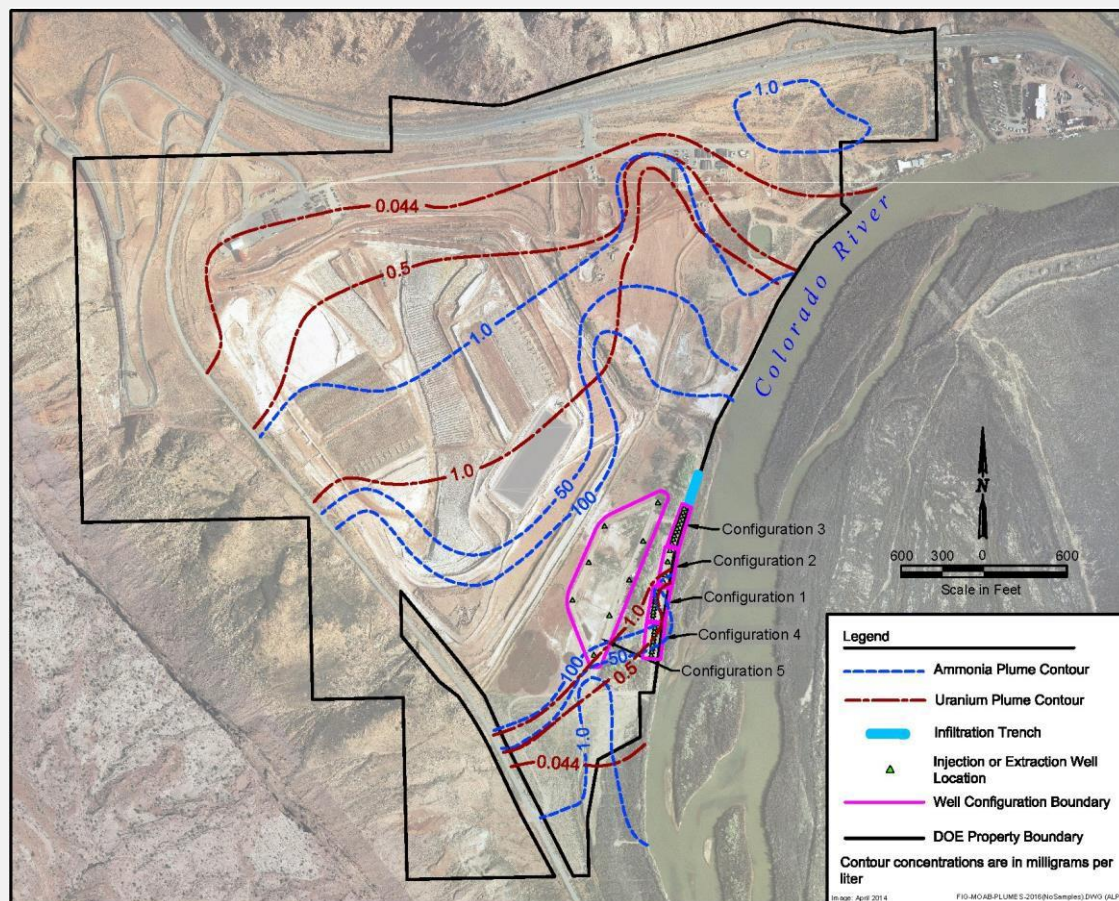


Image: https://www.gjem.energy.gov/general/interim_gw_action.htm

- 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.
- Over the life of the Project, extraction has prevented 982,695 pounds of ammonia and 5,616 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 2023, more than 1,983,089 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-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 (July 25 and Oct 24, 2023)*
- *Site Futures Committee, 2013 and 2018*
- **UMTRA Reading Room (Library)**
- **Contact Grand County's UMTRA Liaison at jthacker@grandcountyutah.net**

QUESTIONS?

Committee Members. The Steering Committee shall be made up of representatives of local, state and federal stakeholders related to the UMTRA Project. The following stakeholder representatives shall be members of the Steering Committee:

- County Council member(s);
- County Emergency Management Director, or designee;
- County Travel Council Director, or designee;
- County Road Department Supervisor, or designee;
- County Community Development Director, or des
- Local National Parks (Arches and Canyonlands) Superintendent, or designee;
- BLM Moab Field Office representative;
- Moab City Mayor or Manager, or designee;
- GWSSA Manager, or designee;
- Thompson Springs representative;
- Representative of Crescent Junction;
- Representative of Utah's Department of Environmental Quality;
- Representative of The Nature Conservancy; and
- Representative of community At-Large.
- Representative of Utah Division of Forestry, Fire and State Lands

RESOLUTION NO. 3170 (2019)

A RESOLUTION AMENDING RESOLUTION NO. 2970a THAT DEFINED RESPONSIBILITIES OF THE MOAB TAILINGS PROJECT STEERING COMMITTEE

WHEREAS, in September, 2005 the Secretary of the United States Department of Energy (“Secretary”), Samuel Bodman, issued the Record of Decision approving the removal and transportation of approximately 13 million tons of uranium tailings from the Atlas Mill site on the banks of the Colorado River near Moab, Utah (“Moab Site”) to the planned disposal site near Crescent Junction, Utah (collectively, the “UMTRA Project”);

WHEREAS, in May, 2006, the Grand County Council (“Council”) approved the Department of Energy’s (“DOE”) requested Conditional Use Permit (“CUP”) for the UMTRA Project;

WHEREAS, in June, 2007, DOE produced 5-year contracts with Energy Solutions, as the remedial action contractor responsible for the planning and execution of the UMTRA Project, and with S&K for technical assistance and oversight of the UMTRA Project;

WHEREAS, the Secretary has stated in House Energy and Commerce budget hearings that the UMTRA Project will take some 20 years to complete due to funding constraints;

WHEREAS, the Utah Congressional delegation supports a more timely completion of the UMTRA Project and, to this end, included language in the Defense Authorization Act of 2008 requiring UMTRA Project completion by 2019;

WHEREAS, in August, 2008, DOE reaffirmed its decision to transport the tailings to the Crescent Junction disposal site primarily by rail which may require a completion date beyond 2019;

WHEREAS, the UMTRA Project presents significant benefits and risks to the residents and visitors of Grand County;

WHEREAS, Grand County, DOE, and other related federal and local entities have worked, and aim to continue to work together to facilitate the safe and efficient performance of the UMTRA Project;

WHEREAS, Grand County seeks to continue the Moab Tailings Project Steering Committee (“Steering Committee”) as a forum and mechanism for open communication and monitoring of the UMTRA Project during its operation, to advise the Council on matters pertaining to the project and to seek appropriate future uses of the Moab Site and Crescent Junction Site upon completion of the UMTRA Project;

WHEREAS, on September 1, 2009, the Council approved the job description for a Moab UMTRA Liaison as a new DOE grant position, whose job summary follows:

Under the direct supervision of the Community Development Director, serves as liaison between Grand County and Department of Energy which includes: acting as primary Grand County contact for the Moab and Crescent Junction sites of the UMTRA Project, community outreach, disseminating project information to various community groups, responds to public questions, reviews technical reports and data, attends project meetings, provides reports to the Steering Committee, Community Development Director and Council, provides technical support to the Steering Committee, reviews project progress and monitors compliance with the CUP, reviews construction progress reports, monitors environmental testing.

WHEREAS, on February 22, 2011, the Steering Committee voted unanimously to adopt the County's electronic participation policy as defined in County Resolution 2944;

NOW THEREFORE, the Council hereby resolves to continue the Steering Committee as follows:

Committee Responsibilities and Authority. The Steering Committee is an advisory body hereby authorized by the Council to:

- Monitor and discuss the plans, status, execution and effects of the UMTRA Project.
- Provide the Council with facts, opinions, advice and recommendations, if so requested, on issues related to the UMTRA Project;
- Address federal and state elected and executive officials on issues related to the UMTRA Project;
- Discuss and develop strategies to address current and future impacts of the UMTRA Project on the residents and visitors of Grand County;
- Track the construction process and significant milestones;
- Monitor DOE compliance with the CUP, including the receipt and review of DOE's Annual Statement of Continued Compliance;
- Discuss and develop strategies for the future use of the Moab Site and the Crescent Junction disposal site; and
- Handle other UMTRA Project issues delegated to it by the Council.

Committee Members. The Steering Committee shall be made up of representatives of local, state and federal stakeholders related to the UMTRA Project. The following stakeholder representatives shall be members of the Steering Committee:

- County Council member(s);
- County Emergency Management Director, or designee;
- County Travel Council Director, or designee;
- County Road Department Supervisor, or designee;
- County Community Development Director, or designee;
- State Workforce Services Director, or designee;
- Local National Parks (Arches and Canyonlands) Superintendent, or designee;
- BLM Moab Field Office representative;

- Moab City Mayor or Manager, or designee;
- GWSSA Manager, or designee;
- Thompson Springs representative;
- Representative of Crescent Junction;
- Representative of Utah's Department of Environmental Quality;
- Representative of The Nature Conservancy; and
- Representative of community At-Large.
- Representative of Utah Division of Forestry, Fire and State Lands

The Council may alter Steering Committee membership at its own discretion by majority vote.

Representatives from DOE and other federal agencies, and their contractors, shall be invited and encouraged to participate in Steering Committee meetings on an as needed basis.

Steering Committee Chairperson. The Council Member serving on the Steering Committee shall serve as the Chairperson. The Chairperson shall be responsible to call Steering Committee meetings, set meeting agendas, and conduct the meetings.

Staff. The Moab UMTRA Liaison will serve as staff to assist with the organization of meetings and to maintain minutes, among other duties per the job description.

Compensation. No compensation shall be paid to Steering Committee members for services. Approved and relevant expenses may be reimbursed to Steering Committee members.

Funding. Steering Committee expenditures shall be from the Atlas Tailings Fund and shall be approved by Council. The Steering Committee and/or the Council may seek outside funding from non-County sources for Steering Committee operation.

Quorum. Five members of the Steering Committee shall be present to constitute a quorum for the transaction of Steering Committee business.

Meetings. The Steering Committee shall meet at least quarterly, with meeting dates set by the Chairperson. Meetings shall be conducted in compliance with the Utah Public and Open Meetings Act, Utah Code Title 52, Chapter 4.

Committee Terms. Steering Committee members shall not be limited by terms except for elected officials subject to term limits.

Duration. The Steering Committee shall remain effective until the UMTRA Project is completed, or until the Council determines the Steering Committee has served its designated purpose and is no longer needed.

Electronic Participation. The Steering Committee shall allow electronic participation as defined in County Resolution 2944.

This Resolution was duly and regularly introduced and passed by vote at a regular meeting of the Grand County Council, State of Utah, on the 5th day of February, 2019:

APPROVED by the following vote:

AYE Halliday, McGann, Wells, Paxman, Hawks, Clapper

NAY _____

ABSENT Morse

ATTEST:

Chris Baird
Grand County Clerk/Auditor

Evan Clapper
Grand County Council Chair