



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

November 2, 2021

Russell J. McCallister  
Federal Cleanup Director  
Moab Uranium Mill Tailings Remedial Action Project  
U.S. Department of Energy  
200 Grand Avenue, Suite 500  
Grand Junction, CO 81501

SUBJECT: UNITED STATES NUCLEAR REGULATORY COMMISSION STAFF COMMENTS  
ON UNITED STATES DEPARTMENT OF ENERGY MOAB URANIUM MILL  
TAILINGS REMEDIAL ACTION PROJECT ALTERNATIVE FINAL COVER  
SYSTEM 60 PERCENT DESIGN REPORT (DOCKET WM00110).

Dear Mr. McCallister:

By letter dated August 30, 2021, the U.S. Department of Energy (DOE), provided an Alternative Final Cover System 60 Percent Design Report for the Moab Uranium Mill Tailings Remedial Action project to the U.S. Nuclear Regulatory Commission (NRC). The submittal was provided to facilitate the NRC staff's review and understanding of the changes to the remedial action plan that DOE is considering.

The NRC staff has completed its review of the draft report and has prepared comments for the DOE's consideration. The NRC staff's comments are focused on aspects of the remedial action plan that are impacted by the proposed change in the cover system design: geotechnical stability (slope stability and settlement), surface water hydrology and erosion protection, and radon attenuation. The NRC staff's comments are provided in the enclosure to this letter and have been organized by the previously stated topics.

The NRC staff is available to clarify its comments, if necessary. The NRC staff looks forward to working with DOE on this revision to the remedial action plan for the Moab project.

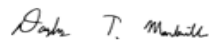
A copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

R. McCallister

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If you have any questions regarding this letter, please contact me at (301) 415-0724, or by e-mail at [douglas.mandeville@nrc.gov](mailto:douglas.mandeville@nrc.gov).

Sincerely,



Signed by Mandeville, Douglas  
on 11/02/21

Douglas Mandeville, Project Manager  
Uranium Recovery and Materials  
Decommissioning Branch  
Division of Decommissioning, Uranium Recovery  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: WM00110

Enclosure:  
NRC Staff Comments on DOE 60 Percent  
Design

cc: C. Pulskamp (DOE)  
Moab Mill ListServ

NRC staff comments on alternative final cover system 60 percent design report for Moab remedial action plan DATE November 2, 2021

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