



## U.S. Department of Energy

200 Grand Avenue  
Grand Junction, CO 81501

March 18, 2010

Mr. Richard Chang, Engineer/Project Manager  
FSME Division of Waste Management and Environmental Protection  
U.S. Nuclear Regulatory Commission  
Mail Stop T8F5  
Washington, DC 20555-0001

Subject: Request of Size Variance of Material to be Disposed in the Crescent Junction Cell, Moab Uranium Mill Tailings Remedial Action (UMTRA) Project

Dear Mr. Chang,

The Department of Energy Moab UMTRA Project requests a variance to dispose of oversized debris from the Moab site to be disposed in the Crescent Junction cell. We request a variance from the Remedial Action Inspection Plan Specification 06.4.4 – Demolition Debris for the following items:

- One (1) steel rail road vibrator approximately 12 feet (ft) long by 4 ft high by 5 ft wide
- One (1) steel red storage tank approximately 14 ft long by 6 ft high by 5 ft wide
- Two (2) steel I-beams approximately 22 ft long by 2 ft high by 2 ft wide
- One (1) steel tan storage tank approximately 7 ft long by 5 ft high by 5 ft wide
- One (1) steel square storage container approximately 16 ft long by 6 ft high by 7 ft wide
- One (1) transmission box approximately 4 ft long by 2 ft high by 2 ft wide

These items are too large to size reduce through shearing activities. The project proposes to fill the storage tanks with controlled low-strength material (also known as flowable fill) with a compressive strength of approximately 200 pounds per square inch (psi) to create monolithic units. Each item will be placed separately in the disposal cell with residual radioactive material placed around it and compacted in place. This approach negates future settling. If this variance is approved, the Moab UMTRA Project will record the cell areas where these items are placed for future tracking.

The following enclosures provide additional information. If you have any questions or require additional information, please contact me at (970) 257-2115.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald R. Metzler", with a large, stylized flourish extending from the end of the signature.

Donald R. Metzler  
Moab Federal Project Director

Via Email

cc:

J. Berwick, DOE

A. Murphy, DOE

K. Wethington, DOE

B. Wethington, DOE

B. Anderson RAC

E. Baker, RAC

L. Brede, RAC

Project File CRJ 2.12 (C. Smith)

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Enclosure 1 – Controlled Low-Strength Material



Enclosure 2 – Photos of Oversize Debris





