

**From:** Geick, Tom (TE) [gieckte@dow.com]  
**Sent:** Monday, August 16, 2010 5:14 PM  
**To:** Chang, Richard  
**Subject:** FW: Residual Radioactive Material on Umetco property-Green River Utah

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Richard - FYI

Tom

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**From:** John Hultquist [mailto:jhultquist@utah.gov]  
**Sent:** Monday, August 16, 2010 10:15 AM  
**To:** Geick, Tom (TE)  
**Cc:** Dennis Sollenberger; Craig Jones; Denise Chancellor; Loren Morton; Rusty Lundberg  
**Subject:** Residual Radioactive Material on Umetco property-Green River Utah

Dear Mr. Geick:

The Division of Radiation Control (DRC) has reviewed your letter dated July 27, 2010. Here is our comments regarding the resolution to residual radioactive material (RRM) on Umetco property in Green River, Utah. If you can agree to the suggestion below (path forward), I don't believe a meeting is necessary. Continued communication through email and conference calls would be satisfactory.

The DRC provides the following regarding residual radioactive material on Umetco property in Green River, Utah:

A. Umetco develop and conduct a remediation work plan with qualified in-house staff or hire a Health Physics consultant to guide the soil survey study and remediation plan / work. One could be found at a reputable environmental engineering / cleanup firm. The DRC request that you provide us a date when the investigation and characterization will be completed, so we have an estimated time frame to coordinate with the DOE.

B. Soil sampling / characterization following MARSSIMS (Multi-Agency Remediation Site and Survey Implementation Plan) guidelines.

C. Soil analysis be done for Ra-226, Uranium and Thorium by a laboratory that holds a current certificate from Utah State Health Lab.

D. Quantify the amount of contaminated soil and debris that needs to be disposed (concentrations and cubic yards).

E. Provide the DRC with a final report regarding the remediation work (investigation and characterization) and volume of material to be disposed.

Based on the proximity, and the fact that both the Green River and Moab Tailings projects are both Title I operations, it would appear preferable to transfer the material to Crescent Junction. It will be the responsibility of Umetco to seek approval to dispose of the material at the Crescent Junction facility. The DRC will aid you in this process by contacting Mr. Don Metzler, project manager for the Moab tailings project in the near future and discuss this disposal option with him. Before we do this, we need to know the amount of material to be disposed. In addition, the DRC assumes Umetco will be responsible for transporting the RRM to DOE's disposal cell near Crescent Junction, Utah.

If you have any questions or concerns, please contact me at 801-536-4263, or by email at [jhultquist@utah.gov](mailto:jhultquist@utah.gov)

Regards,

John Hultquist  
LLW/Uranium Mills Section Mgr.

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### E-mail Properties

Mail Envelope Properties (6A71305D739C4F4589FCCCBBBD83A244F01EE73A5)

Subject: FW: Residual Radioactive Material on Umetco property-Green River Utah  
Sent Date: 8/27/2010 8:21:05 AM  
Received Date: 8/16/2010 5:13:34 PM  
From: Gieck, Tom (TE)

Created By: gieckte@dow.com

Recipients:  
Richard.Chang@nrc.gov (Chang, Richard)  
Tracking Status: None

Post Office:  
USMDLMDOWX030.dow.com

Files	Size	Date & Time
MESSAGE	13290	8/27/2010

Options  
Expiration Date:  
Priority: oImportanceNormal  
ReplyRequested: False  
Return Notification: False

Sensitivity: olNormal

Recipients received: Follow up. Start by Tuesday, August 17, 2010. Due by Tuesday, August 17, 2010