

May 28, 2013

MEMORANDUM TO: Bill von Till, Chief  
Uranium Recovery Licensing Branch  
Decommissioning and Uranium Recovery  
Licensing Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

FROM: Stephen J. Cohen, Team Leader */RA/*  
Uranium Recovery Licensing Branch  
Decommissioning and Uranium Recovery  
Licensing Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

SUBJECT: PUBLIC MEETING SUMMARY

On April 30, 2013, representatives of Energy Fuels Resources (USA) Inc. (Energy Fuels) met with the U.S. Nuclear Regulatory Commission (NRC) staff regarding its proposed Sheep Mountain Project in Wyoming. A summary of the meeting is enclosed.

Docket No.: 04009094

Enclosure:

1. Meeting Summary
2. Presentation

CONTACT: S. Cohen, FSME/DWMEP  
(301) 415-7182

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OFFICE	DWMEP	DWMEP	DWMEP
NAME	SCohen	BGarrett	SCohen
DATE	5/28/13	5/28/13	5/28/13

**OFFICIAL RECORD COPY**

## MEETING SUMMARY

DATE: April 30, 2013

TIME: 10:00 a.m. to 11:00 a.m.

PLACE: Courtyard by Marriott, Denver  
934 16th Street  
Denver, Colorado  
(303) 571-1114

PURPOSE: On April 30, 2013, representatives of Energy Fuels Resources (USA) Inc. (Energy Fuels) met with the U.S. Nuclear Regulatory Commission (NRC) staff regarding its proposed Sheep Mountain Project in Gas Hills, Fremont County, Wyoming. Attachment 1 is a meeting agenda.

### ATTENDEES:

See Attached Attendee List (Attachment 2)

### BACKGROUND:

Energy Fuels purchased the Sheep Mountain site from Titan Uranium and now intends to apply for a license to operate a heap leach facility at the Sheep Mountain site. The Sheep Mountain site is a brownfields site with existing mines that were previously operated. Energy Fuels provided the staff with an update of its application preparation activities and site characterization program. The staff performed a pre-submission review of the Titan Uranium application in October 2011. Energy Fuels expects to submit its application to the NRC staff in December 2013.

### DISCUSSION:

NRC staff read an opening statement at the meeting, and all attendees were introduced. Energy Fuels presented its slide presentation that identified specific issues requiring clarification (Attachment 3). The presentation also covered the general project status, baseline hydrogeology, and the heap leach facility design.

Energy Fuels presented a unique, triple-layered, liner system that precludes the need for clay. Energy Fuels stated that a clay liner would pose stability problems for this particular heap leach cell. Therefore, it proposes a system that contains space between the liners for fluids to flow and collect in a leachate collection basin. The staff said that it would evaluate this as an alternative to the standards presented in 10 CFR Part 40, Appendix A.

### ATTACHMENTS:

1. Agenda
2. List of Attendees
3. Presentation

Enclosure

**AGENDA**  
**Energy Fuels Resources (USA), Inc.**  
**April 30, 2013**

<b><u>Agenda Item</u></b>	<b><u>Duration</u></b>	<b><u>Lead</u></b>
Introductions	5 min	NRC
General Project Status Update (Energy Fuels)	15 min	Energy Fuels
Baseline Hydrogeology (Lidstone & Associates) <ul style="list-style-type: none"><li>• Site-wide geology and hydrogeology</li><li>• Potentiometric surface and depth to groundwater beneath facilities</li></ul>	15 min	Energy Fuels
Heap Leach Facility Design Status (Engineering Analytics) <ul style="list-style-type: none"><li>• Grading and stacking plan design</li><li>• Liner system design</li></ul>	15 min	Energy Fuels
Questions and Conclusions	15 min	NRC

**LIST OF PARTICIPANTS**  
**National Mining Association and Uranium Recovery Industry**  
**Uranium Recovery Issues**  
**April 24, 2013**

NAME	ORGANIZATION
Stephen J. Cohen	USNRC
Linda Gersey	USNRC
Janine F. Katanic	USNRC
Stephen Poy	USNRC
Amy Thurkill	Lyntek, Inc.
Bill von Till	USNRC
Wayne Heili	Ur-Energy
John Cash	Ur-Energy
Elise A Striz	USNRC
Robert Evans	USNRC
Tim Conarro	Avid Technologies
Andrea Reither	Energy Fuels
Jim Bonner	Powertech (USA)
Tracey Stokes	USNRC
Jack Fritz	WWC Engineering
Kim Morrison	Energy Fuels
John Mays	Powertech
John Hamrick	Citizen
Toby Wright	Wright Env. Services
Scott Bakken	Cameco
Darrell Liles	SENES
Steve Brown	SENES
Andrea Jennetta	Fuel Cycle Week
Douglas Mandeville*	USNRC
Kate Laudon*	Lidstone & Associates
Dan Overton	Engineering Analytics
Nick Bielstein	Strathmore Minerals

**\*Participated via Teleconference**