

May 9, 2011

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: Ronald A. Burrows, Project Manager **/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 7-8, 2011, a public meeting was held at U.S. Nuclear Regulatory Commission (NRC) Headquarters, at the request of Powertech (USA) Inc. (Powertech), to discuss Powertech's responses to the NRC staff's Request for Additional Information related to the proposed Dewey-Burdock Project. A summary of the meeting is enclosed.

Enclosure: Meeting Summary

cc: Meeting Attendees

CONTACT: R. Burrows, FSME/DWMEP
(301) 415-6443

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PJehle

ML111030379

OFFICE	DWMEP	DWMEP	DWMEP	DWMEP	OGC	DWMEP
NAME	RBurrows	TLancaster	BGarrett	SCohen	PJehle via e-mail	RBurrows
DATE	4 / 13/11	4 / 13/11	4/ /11	4/ 20/11	4/29/11	5/9/11

OFFICIAL RECORD COPY

MEETING SUMMARY

DATE: April 7-8, 2011

TIME: 9:00 a.m. to 6:00 p.m.

PLACE: U.S. Nuclear Regulatory Commission, Headquarters
One White Flint North, Room O-4B6
Rockville, Maryland

PURPOSE: This meeting was held at the request of Powertech (USA) Inc. (Powertech), to discuss its responses to U.S. Nuclear Regulatory Commission (NRC) staff's Request for Additional Information (RAI) related to the proposed Dewey-Burdock in situ recovery (ISR) facility.

ATTENDEES:

See Attached Attendee List.

BACKGROUND:

By letter dated May 28, 2010 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML101460286), NRC staff provided Powertech an RAI related to the safety review of its Dewey-Burdock Project. By letter dated December 23, 2010, Powertech responded to the staff's RAI (ADAMS Accession Number ML110030730).

DISCUSSION:

NRC staff read an opening statement at the meeting. Powertech's presentation addressed the topics set out in the meeting agenda (Attachment 1). The deficiencies identified by the staff are summarized in Attachment 3. Powertech's discussion referenced previously submitted information, which is publicly available (ADAMS Accession Number ML110590650). Powertech also presented a PowerPoint presentation and a handout containing preliminary data, which was identified as draft and proprietary material. NRC staff was not provided a copy of the presentation and Powertech collected the handout at the end of the meeting. Staff will not make licensing decisions until Powertech formally submits new information for staff review. The meeting was opened to questions from the public each day, after Powertech ended its presentation.

Powertech discussed new technical data on the geology and hydrogeology in the project area, which is being developed for formal submission to the NRC for staff review. Powertech indicated they would submit changes to the locations of wellfield production and site infrastructure and revisions to groundwater monitoring programs. The Applicant presented preliminary results of new breccia pipe field studies and new groundwater modeling that are

Enclosure

currently underway; these data will be formally submitted upon completion. The analysis of newly submitted data will require significant additional time for staff review. The amount of additional time will be determined once the staff receives the completed information package from Powertech.

In the discussion of radiological issues, Powertech requested clarification from the staff on the application of the radium benchmark dose to surface activity on structures remaining on-site after decommissioning. The staff provided clarification of its position in an e-mail to the Applicant dated April 8, 2011 (ADAMS Accession Number ML111020007) and considers this action completed.

There were no questions from members of the public.

ACTIONS:

Powertech will provide NRC staff with a complete RAI response package in question and answer format. After all RAIs and open issues are resolved, Powertech will provide page changes to the Technical Report with an index outlining these changes.

ATTACHMENTS:

1. Agenda
2. List of Attendees
3. Letter documenting the results of NRC staff's acceptance review for Powertech's RAI responses (ADAMS accession number ML110470245)

MEETING AGENDA
Powertech (USA) Inc.
April 7 - 8, 2011

MEETING PURPOSE: Meeting to Discuss Powertech's Responses to NRC Staff's Request for Additional Information

MEETING PROCESS:

April 7, 2011 -

<u>Time</u>	<u>Topic</u>	<u>Lead</u>
9:00 a.m.	Introductions	All
	Discussion of agenda items (see items on following pages)	All
	Summary of Action Items	Moderator
	Public Comment/Questions	Moderator
6:00 p.m.	Adjourn	

April 8, 2011 -

<u>Time</u>	<u>Topic</u>	<u>Lead</u>
9:00 a.m.	Introductions	All
	Discussion of agenda items (see items on following pages)	All
	Summary of Action Items	Moderator
	Public Comment/Questions	Moderator
6:00 p.m.	Adjourn	

Powertech USA Inc.
NRC Public Meeting – Dewey-Burdock

April 7

Introduction by Thompson and Pugsley 0930	0900-
Introduction by Dick Clement 1000	0930-
<ul style="list-style-type: none">- TR RAI response issues<ul style="list-style-type: none">o Communications with NRCo Response format - replacement pages- Powertech proposal to make improvements<ul style="list-style-type: none">o WWC Engineering/Petrotek to review and assist with responseso Proposed submittal of revised Question and Answer responseo Developing more detailed hydrogeologic response (numerical model of project site)- Site introduction	
Geology 1200	0930-
<ul style="list-style-type: none">- Presentations by J. Bonner- Revised geologic cross sections and structure contour maps- Confinement- Breccia pipes- Underground mines	
Hydrogeology 1500	1200-
<ul style="list-style-type: none">- Presentation on Hydrogeology by Hal Demuth- Activities in zones with unconfined or limited head- Plugging and abandoning exploration holes and water wells- Regional geohydrology and surface/groundwater interactions	
Surface Water Hydrology 1600	1500-
<ul style="list-style-type: none">- Flood protection	
Liquid Waste Disposal and Chemical Storage 1700	1600-
<ul style="list-style-type: none">- Liquid waste disposal options- Ponds- Chemical storage	

Day 1 Recap 1700-
1800

- Summary
- Confirm clarifications
- Action items, schedule, etc.

April 8

Introduction to Radiological/Baseline Issues by Richard Blubaugh 0900-
0930

- Sampling and Analysis Plan

Background Radiological Characterization 0930-
1400

- Presentation by Mike Schierman of ERG
- Air particulate sampling
- Soil sampling
- Gamma survey and gamma/Ra-226 correlation
- Food sampling

Other 1400-
1700

- Operational monitoring
- Environmental monitoring
- Other issues as time permits

Day 2 Recap 1700-
1800

- Summary
- Confirm clarifications
- Action items, schedule, etc.

LIST OF PARTICIPANTS

DATE: April 7-8, 2011

9:00 a.m. – 6:00 p.m.

MEETING: Powertech (USA) Inc.

NAME April 7, 2011	ORGANIZATION	PHONE NUMBER or E-mail (work)
Stephen J. Cohen	NRC	301-415-7182
Ronald Burrows	NRC	301-415-6443
Michael Schierman	ERG	505-298-4224
John Saxton	NRC	John.Saxton @nrc.gov
Varughese Kurian	NRC	Varughese.Kurian@nrc.gov
Richard Blubaugh	Powertech (USA)	r.blubaugh@powertechuranium.com
John Mays	Powertech (USA)	jmays@powertechuranium.com
Jack Fritz	WWC Engineering	jfritz@wwcengineering.com
James Bonner	Powertech (USA)	jbonner@powertechuranium.com
Hal Demuth	Petrotek Eng.	hdemuth@petrotek.com
Richard L. Harlan	Petrotek Eng.	rharlan@petrotek.com
Chris Pugsley	Thompson & Pugsley, PLLC	cpugsley@athompsonlaw.com
Anthony J. Thompson	Thompson & Pugsley, PLLC	ajthompson@athompsonlaw.com
Richard Clement	Powertech (USA) Inc.	rfclement@powertechuranium.com
Haimanot Yilma	NRC	Haimanot.yilma@nrc.gov
Tom Lancaster	NRC	Thomas.lancaster@nrc.gov
Linda Gersey*	NRC, RIV	Linda.gersey@nrc.gov
Jim Munro*	Powertech (USA)	
Greg Fesko*	BLM, Montana Office	
Sarah Fields*	Uranium Watch	
John Cash*	Ur-Energy	

***Participated via Teleconference**

LIST OF PARTICIPANTS

DATE: April 7-8, 2011

9:00 a.m. – 6:00 p.m.

MEETING: Powertech (USA) Inc.

NAME April 7, 2011	ORGANIZATION	PHONE NUMBER or E-mail (work)
James Prikryl*	CNWRA	
Susan Henderson*		
Bob Lenhard*	CNWRA	
Rebecca Leas*		
David Frankel*	Attorney for Intervenors	
Travis Stills*	Attorney for Intervenors	
Jeff Parsons*	Attorney for Intervenors	
Patricia Jehle	NRC	301-415-8366

***Participated via Teleconference**

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DATE: April 7-8, 2011

9:00 a.m. – 6:00 p.m.

MEETING: Powertech (USA) Inc.

NAME April 8, 2011	ORGANIZATION	PHONE NUMBER or E-mail (work)
Richard Blubaugh	Powertech (USA)	303-790-7528
Chris Pugsley	Thompson & Pugsley, PLLC	202-496-0780
Anthony J. Thompson	Thompson & Pugsley, PLLC	202-496-0780
Ronald Burrows	NRC	301-415-6443
Jim Bonner	Powertech (USA)	jbonner@powertechuranium.com
Jack Fritz	WWC Eng	jfritz@wwcengineering.com
John Mays	Powertech (USA)	jmays@powertechuranium.com
Richard Clement	Powertech (USA)	rfclement@powertechuranium.com
Tom Lancaster	NRC	Thomas.lancaster@nrc.gov
Varughese Kurian	NRC	Varughese.kurian@nrc.gov
Linda Gersey*	NRC, RIV	
Jim Munro*	Powertech (USA)	
Greg Fesko*	BLM	
Susan Henderson*		
Patsy Moran*	TetraTech	
Rebecca Leas*		

***Participated via Teleconference**