

April 1, 2014

MEMORANDUM TO: Lydia Chang, Chief  
Special Projects Branch  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

FROM: John J. Hayes, Senior Project Manager **/RA/**  
Materials Decommissioning Branch  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

SUBJECT: PUBLICLY NOTICED CONFERENCE CALL SUMMARY

On March 5, 2014, a publicly-noticed conference call was held between U.S. Nuclear Regulatory Commission (NRC) personnel from the Material Control, ISFSI, the Decommissioning Branch of NRC Region III, the Materials Decommissioning Branch of the Office of Federal and State Materials and Environmental Management Programs and representatives of the Westinghouse Electric Company (WEC) Hematite Facility located in Hematite, MO. No members of the public participated in the call.

Enclosure 1 is the agenda for the call. Enclosure 2 is a listing of the call participants. Enclosure 3 is the latest proposal for Hematite License Condition No. 17.

In the introductory remarks, the NRC explained that the conference call was a Category 1 publicly-noticed call in which members of the public were invited to listen to the call consistent with past practice. The public would be allotted the opportunity to communicate with the NRC after the business portion of the call but before the call was adjourned. The NRC stated that there was nothing which required the licensee to respond to any comments or questions from members of the public. However, while there was no requirement to respond, there was also nothing which precluded the licensee from responding to questions if the licensee chose to do so.

CONTACT: John Hayes, FSME/DWMEP  
(301) 415-5928

Following the introduction of each participant, each of the two agenda items was discussed.

The first agenda item involved the abandonment of certain wells so that the site can be remediated and the replacement of those wells. The NRC asked which wells would be abandoned. Westinghouse indicated that wells GW-Z, GW-S, GW-U, WS-07, BD-100 and BD-101 would be abandoned and replaced. The NRC asked where the replacement wells would be located. Some replacement wells have already been installed and are on the side of the tracks opposite the burial pits. The NRC recommended that Westinghouse observe the water levels while monitoring to determine if the gradient of the water movement remains the same. Since some of the wells will be re-installed post-remediation, the NRC also requested an updated Table which identifies the wells which will remain post-remediation.

The second agenda item involved Westinghouse's February 4, 2014, re-submittal of a Final Status Survey (FSS) Release Record for LSA-10-08 in support of Hematite Decommissioning Project License Termination which can be found in the NRC's Agencywide Documents Access and Management System (ADAMS) as Accession No. ML14036A168. On October 28, 2013, Westinghouse had made their initial submittal of that document (ADAMS Accession No. ML13302C041). During a November 20, 2013, publicly-noticed call, the staff identified issues associated with the October 2013 submittal. The February 2014 Westinghouse submittal was intended to address those issues.

The staff indicated that it was their understanding that the purpose of the submittal was to establish a template for future FSS Release Record submittals to facilitate NRC review time, thereby economizing on schedule and limiting the necessary time for license termination. The staff has completed its review of the February 4, 2014, document.

The staff has concluded that while the LSA-10-08 Release Record might be utilized as a template for format purposes for future FSS Release Records, the overall lack of quality and quality control of the document leads the staff to conclude that the efficiency Westinghouse was envisioning in future submittals may not be achieved. If similar types and quantities of errors and omissions which were present in LSA-10-08 occur in subsequent FSS documents, the reviews of the FSS documents will be long and tedious.

The staff presented some examples of where LSA-10-08 demonstrated a lack of quality and quality control. The staff indicated that the calculations associated with the Wilcoxon Rank Sum (WRS) test were not adequately provided (i.e., calculation of critical value, etc.) and Attachment H of LSA-10-08 appeared to use 11 survey unit samples while the document previously indicated that 10 samples were used. The staff also indicated it appeared that a retrospective power analysis was not performed to indicate that an adequate number of Tc-99 samples were taken. The screenshot provided in Attachment I of LSA-10-08 appeared to be for a prospective power analysis. The discussion of statistical tests in Section 6.8 was too limited, and no basis was provided for the determination that an adequate number of samples were taken. The staff also stated that during the November 20, 2013, call they suggested that the FSS reporting scheme utilized in the decommissioning of the NASA Plum Brook facility might be regarded as a good resource for FSS Release Records. However, it appeared to the staff that Westinghouse had not taken advantage of that experience.

The NRC stated that they would be transmitting to Westinghouse a letter which would provide the issues which were identified during the review of LSA-10-08. The NRC anticipated transmitting that letter within 2 weeks of the call.

Since there were no members of the public who participated in the call, the call was adjourned without questions or comments.

Enclosures:

1. Agenda
2. Attendee List

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FORTHCOMING PUBLIC MEETING ON WESTINGHOUSE HEMATITE  
DECOMMISSIONING TECHNICAL DISCUSSIONS

**Agenda**  
**Wednesday, March 5, 2014**  
**11:00 a.m. – 12:00 p.m.**

- *Introductory Remarks – NRC*
- *Topics for Discussion –*
  - *Replacement Monitoring Wells*
  - *NRC Comments on Westinghouse February 4, 2014 Final Status Survey Release Record Report*
- *Public's Opportunity for Questions - Public*
- *Concluding Remarks – NRC*

**Attendance List  
March 5, 2014 Conference Call**

Name	Organization	Title
Mike LaFranzo	NRC, Region III	Senior Health Physicist, Material Control, ISFSI and Decommissioning Branch
Eugenio Bonano	NRC, Region III	Health Physicist, Material Control, ISFSI and Decommissioning Branch
Dennis Richardson	Westinghouse	Licensing Manager, Hematite Decommissioning Project
Joe Guido	Westinghouse	Radiation Safety Officer, Hematite Decommissioning Project
Joe Smetanka	Westinghouse	Director, Hematite Decommissioning Project
Gay Fussell	Westinghouse	Deputy Director, Hematite Decommissioning Project
Kevin Davis	Westinghouse	Environmental Manager, Hematite Decommissioning Project
Bill Mattern	Westinghouse	Security Manager, Hematite Decommissioning Project
John Kelly	ECC	
Evan Harpenau	ORAU	Health Physicist, Independent Environmental Assessment and Verification Program
John Clements	NRC, FSME	Health Physicist, Materials Decommissioning Branch
John Hayes	NRC, FSME	Senior Project Manager, Special Projects Branch,
Lifeng Guo	NRC, FSME	Hydrogeologist, Materials Decommissioning Branch
Lydia Chang	NRC, FSME	Chief, Special Projects Branch
Robert Orlikowski	NRC, Region III	Chief, Material Control, ISFSI and Decommissioning Branch