

## TELEPHONE CONVERSATION RECORD

April 11, 2006

PERSONS CONTACTED: Patrick Weaver, BCLDP, Project Director  
Joe Jacobsen, BCLDP Radiation Safety Officer  
John Tolan, Battelle, Groundwater Technical Expert

CALLERS: Mike McCann, Senior Health Physicist  
NRC, DNMS, Decommissioning Branch  
  
Jon Peckenpaugh, Systems Performance Analyst  
Division of Waste Management and Environmental  
Protection

LICENSEE: Battelle Memorial Institute  
Battelle Columbus Laboratories Decommissioning  
Project

LICENSE No.: SNM-00007  
DOCKET No.: 070-00008

DATE OF CALL: March 21, 2006 (Tuesday)

SUBJECT: DISCUSSION REGARDING BATTELLE'S MARCH 9, 2006, LETTER  
WHICH STATED BATTELLE'S POSITION REGARDING  
GROUNDWATER IMPACTS DUE TO PAST LICENSED OPERATIONS

1. We discussed the licensee's March 9, 2006, letter discussing the licensee's position regarding low levels of contamination identified in ground water monitoring wells and the two sump wells next to the former JN-1 spent fuel pool, on the West Jefferson site. Since the Part 20 limits are effluent release criteria, they are not applicable to groundwater. Headquarter personnel identified letters from the NRC to Battelle and back, which indicated that Battelle will use EPA limits for groundwater release. Specifically, the NRC sent a letter to Mr. Harley L. Toy dated April 17, 1992, and Mr. Harley responded back in a letter dated April 23, 1992. Jon Peckenpaugh agreed to fax a copy of the letter to Patrick Weaver: Fax No. 614 458 6376.
2. We discuss previous conversations between the NRC and Battelle regarding the bog area and the previously identified elevated values in some of the site monitoring wells. We expected in the licensee's letter, some discussion to support the licensee's position that these elevated areas aren't a issue. Information regarding the depth of the wells, potential use of the water, potable versus non-potable water supply, remediation of the contaminated zone, etc.

Also, we thought there would be a discussion regarding the remediation activity, and thoughts why there was still some elevated values during the latest sampling campaign. Also, we expected that there would be an indication that another sampling collection would be done in the spring.

3. We discussed the contamination in the JN-1 sump wells. If previous sampling by the licensee indicated that they were below the MCLs until remediation took place, then could the elevated contamination be a result of the decontamination work? We asked the licensee what are they going to do regarding the potential source term? We also expected some discussion regarding the well aquifers, Depth of wells, impact on water bearing units.
4. We discussed the performance of a dose assessment regarding the current impacts identified in the wells. Can the licensee demonstrate, that total dose impacts due to the elevated values, are below the MCLs?
5. Battelle asked if the NRC has any examples of site dose assessments by other NRC licensees, which they could use as a reference. Jon Peckenpaugh will identify some examples for the licensee and provide this information to Battelle.
6. Battelle asked for clarification regarding the information needed to be submitted with their final status survey package, which will accompany their termination request. The licensee was advised, that we only need final reports. We do not want correspondence between the licensee and ORISE to resolve comments.
7. The NRC agreed to put the above in writing to the licensee. The licensee was also advised, that since we just identified the 1992 letter, that if Battelle needs some additional time to submit their termination request, we will be agreeable to an extension.
8. During a subsequent call between Joe Jacobsen and Mike McCann, it was indicated that Battelle would start working on the above immediately. It was also agreed that Battelle could coordinate information with, and ask questions of Jon Peckenpaugh. Battelle indicated that they would copy Mike McCann, who is out of the office until April 10, 2005, with all materials provided to Jon Peckenpaugh.