



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 24, 2018

MEMORANDUM TO: Stephen Koenick, Chief
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery
and Waste Programs
Office of Nuclear Material Safety and Safeguards

FROM: Dominick Orlando, Senior Project Manager */RA/*
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery
and Waste Programs
Office of Nuclear Material Safety and Safeguards

SUBJECT: MEETING SUMMARY – MEETING TO DISCUSS GROUND WATER
MONITORING RESULTS AT THE LUCKY MC SITE (DOCKET
NUMBER 040-2259)

On August 29, 2018, the staff of the U.S. Nuclear Regulatory Commission (NRC) held a teleconference with representatives of the U.S. Department of Energy (DOE), the Wyoming Department of Environmental Quality (WDEQ) and Areva to discuss the ground water sampling results for Areva's Lucky Mc site in Wyoming. The meeting attendee list is below.

The purpose of the teleconference was to discuss the site ground water sampling results for well AL-1 and agree on how the NRC, DOE, WDEQ and Areva will cooperate and communicate information about the site after regulatory responsibility for the site transfers to WDEQ in October 2018.

The meeting began with a discussion of the current ground water sampling results for well AL-1. This well has exceeded the Alternate Concentration Limit (ACL) for uranium since December 2017 and has periodically exceeded the ACL in the past. However, whenever the uranium ACL has been exceeded in the past, it has subsequently dropped below the ACL within a few months. Areva also provided some background information on the sampling issues for this well, namely that it exhibits a very low flow of ground water and, as such, sampling is difficult.

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The participants also discussed various approaches to address the ACL exceedance, such as additional sampling in the aquifer around the well using geoprobes to delineate the extent of soil/ground water contamination, developing a request to revise the uranium ACL, using institutional controls to prevent use of the ground water and reclassifying the ground water aquifer as an industrial use aquifer. It was pointed out that all of the wells that are currently being sampled are in the Frazier Draw and, because the current ground water flow path is via the Reed Draw, any contamination seen in wells in the Frazier Draw would most likely be from mine water discharges that occurred down the Fraser Draw beginning in 1958.

No decisions were reached concerning the use of the approaches. Areva indicated that they will continue to sample the well on a monthly basis. The participants agreed to continue to communicate as more information and sampling data is developed by Areva. Any decisions regarding the next steps by Areva or WDEQ to address the ACL exceedences will also be discussed with NRC and DOE, so that, when the site is ready to transition to DOE for long-term care and maintenance, DOE and NRC will be aware of the actions undertaken to address the ACL exceedences. No additional action items were identified.

One interested individual observed the meeting and had a question regarding the WDEQ management of the site after Wyoming becomes an Agreement State. The question was addressed by WDEQ and NRC.

ATTENDEES:

NRC

Stephen Koenick
Bill von Till
Ian Irvin
Stephen Poy

DOE

Bernadette Tsosie
Steve Hall

WDEQ

Ryan Schierman

Areva

R. Mark Owens

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DATE	9/ 20 /18	9/ 20 /18	9/ 21 /18	9/24/18

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