



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

November 9, 2016

MEMORANDUM TO: Matthew R. Meyer, Acting Chief
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety and Safeguards

FROM: Dominick A. 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 – TECHNICAL MEETING TO DISCUSS THE
DECOMMISSIONING OF THE WESTERN NUCLEAR
INCORPORATED SITE IN JEFFREY CITY, WYOMING
(Docket 040-01162)

On October 12, 2016, staff of the U.S. Nuclear Regulatory Commission (NRC) held a public meeting and teleconference with representatives of Western Nuclear Incorporated (WNI) at NRC headquarters in Rockville, Maryland. The purpose of the meeting was to continue discussions regarding an approach to resolving the issues associated with exceedances of the Alternate Concentration Limits for nitrate at the Split Rock site. The meeting was observed by staff from the U.S. Department of Energy (DOE), Office of Legacy Management, Wyoming Department of Environmental Quality and Navarro, Inc., the Legacy Management contractor for the DOE. The meeting was noticed on the NRC's Public Meeting webpage on September 21, 2016. The meeting attendee list is enclosed.

CONTACT: Dominick Orlando, NMSS/MDB
415-6749

WNI presented their technical basis for expanding the current proposed long-term care boundary for the site to the Sweetwater River to address the exceedance of the Alternate Concentration Limit for nitrate. WNI stated that it used a conservative modeling approach to demonstrate that the nitrate concentration would be below the Environmental Protection Agency's Maximum Contaminant Level in the groundwater at the Sweetwater River. The WNI approach includes expanding the currently proposed long-term care boundary to include the groundwater impacted by nitrate. WNI stated that institutional controls already in place at the site prevent the use of the groundwater. WNI also discussed the potential for using this approach to demonstrate that the new long-term care boundary is protective when considering the other contaminants of concern at the site.

NRC staff indicated that the WNI approach appeared to be a reasonable way to address the ACL exceedance and that WNI should provide the model and supporting information justifying the approach for addressing the ACL exceedance and the use of the approach for the other contaminants at the site in its planned license amendment request.

ACTION ITEMS:**WNI**

Provide the NRC with a license amendment request to increase the nitrate ACL, and a report outlining how the approach used to establish the new nitrate ACL can be used to determine a revised long-term care boundary for the Split Rock site.

Docket No. 040-01162

License No. SUA-56

Enclosure:

WNI Presentation

Meeting Attendee List

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Meeting Attendee List

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J. Whitten, RIV

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NAME:	D. Orlando	C. Holston	M. Meyer	A. Gendelman	D. Orlando
DATE:	10/17/16	10/18/16	10/31/16	11/7/16	11/9/16

OFFICIAL RECORD COPY

**WESTERN NUCLEAR INCOPORATED MEETING/TELECONFERENCE ATTENDEE LIST
OCTOBER 12, 2016**

U.S. Nuclear Regulatory Commission

Matthew Meyer, MDB/DUWP/NMSS
Dominick Orlando, MDB/DUWP/NMSS
Adam Gendelman, OGC

Western Nuclear Incorporated (WNI)

Harley Shaver
Toby Wright
Christopher Pugsley
Anthony Thompson
Lawrence Corte
Louis Miller
Daryl Shapiro

Wyoming Department of Environmental Quality

Don Fischer

U.S. Department of Energy

William Dam
Richard Bush
Bud Sokolovich

Navarro, Inc. (contractor to the Department of Energy)

Steve Hall
Laura Cummins
Rich Zinkel
Ann Wei
Suzie Jo Herrera
Dick Johnson
Jeff Carman

ENCLOSURE