

April 23, 2014

Mr. Roy Blickwedel
Remedial Project Manager
General Electric Company
640 Freedom Business Center
King of Prussia, PA 19406

SUBJECT: RESPONSE TO THE REQUEST FOR ADDITIONAL INFORMATION ON THE
LICENSE AMENDMENT REQUEST TO REVISE GROUNDWATER
PROTECTION STANDARDS SUPPLEMENTED BY A GROUNDWATER FLOW
MODEL FOR THE UNITED NUCLEAR CORPORATION - CHURCH ROCK MILL
SITE, SOURCE MATERIAL LICENSE SUA-1475

Dear Mr. Blickwedel:

The U.S. Nuclear Regulatory Commission (NRC) is in receipt of your January 10, 2014, response to our request for additional information (RAI) dated June 4, 2013, for United Nuclear Corporation's (UNC) license amendment request to revise groundwater protection standards for the Church Rock Mill site [Agencywide Document Access and Management System (ADAMS) Accession Number ML12150A146; ML13121A553]. UNC proposes to apply updated background concentrations to all three hydrostratigraphic units (i.e., Zone 1, Southwest Alluvium and Zone 3) at this inactive uranium mill site. UNC's original license amendment request was supplemented by a three dimensional groundwater flow model [ADAMS Accession Numbers ML12305A320; ML12305A324; ML12334A292].

Based on a review of your response and UNC's entire license amendment package, the NRC staff is overall satisfied that all technical deficiencies have been addressed. Please note that the NRC staff review of the groundwater flow model was narrowly focused on information pertinent to your request to revise background concentrations in Zone 3. Although at this time, no additional information is needed by the staff to continue its review of this aspect of the license amendment request, it is prudent to update the groundwater flow model report since certain aspect of this model may be useful for other future actions.

The NRC staff, therefore, requests that the supplemental groundwater flow model report entitled "Groundwater Flow Model of the Church Rock Site and Local Area Church Rock, New Mexico, October 2012" be updated with the extensive information contained in your response to Enclosure 2 of the RAIs. Specifically with the detailed information included in your responses to the eight General Comments along with the figures and the additional material provided to address the thirteen Specific Comments. Please provide this updated groundwater model report no later than May 30, 2014. In the interim the NRC staff will continue to proceed with the preparation for a decision on your license amendment request.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have comments or questions regarding this letter, please contact the project manager, Yolande Norman at 301-415-7741 or via email at Yolande.Norman@nrc.gov.

Sincerely,

/RA/

Lydia W. Chang, Branch Chief
Special Projects Branch
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-8907
License No.: SUA-1475

cc: UNC Church Rock Distribution List

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If you have comments or questions regarding this letter, please contact the project manager, Yolande Norman at 301-415-7741 or via email at Yolande.Norman@nrc.gov.

Sincerely,

/RA/

Lydia W. Chang, Branch Chief
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