



**Department of Energy**

Washington, DC 20585

May 3, 2019

WM-0058

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Deputy Director  
Mail Stop T8-F5  
Washington, DC 20555-0001

Subject: U.S. Department of Energy Office of Legacy Management Report Entitled  
Investigation of Non-Mill-Related Water Inputs to the Terrace Alluvium at  
Shiprock, New Mexico (NRC Docket No. WM-0058)

To Whom It May Concern:

Enclosed, for U.S. Nuclear Regulatory Commission (NRC) review, is a report prepared by the U.S. Department of Energy, Office of Legacy Management (DOE-LM) entitled *Investigation of Non-Mill-Related Water Inputs to the Terrace Alluvium at Shiprock, New Mexico* (LMS/SHP/S14504). Comments previously received from the Navajo Nation Uranium Mill Tailings Remedial Action/Abandoned Mine Lands Department and Navajo Nation Environmental Protection Agency have been incorporated into this report.

This report provides results and interpretation of data collected during the investigation described in the 2015 *Work Plan to Investigate Potential Non-Mill-Related Water Inputs to the Terrace Alluvium at Shiprock, New Mexico*. The objective of this investigation is to better understand the sources of groundwater presently on the terrace area of the Shiprock site, using aqueous chemical and isotopic tracers.

Please contact me at (970) 248-6018 or [Mark.Kautsky@lm.doe.gov](mailto:Mark.Kautsky@lm.doe.gov), if you have any questions. Please address any correspondence to:

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Sincerely,

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Mark Kautsky  
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Enclosure



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