



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

August 28, 2017

Mr. Richard Bush, Program Manager
U.S. Department of Energy
Office of Legacy Management
2597 Legacy Way
Grand Junction, CO 81503

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF REVIEW OF
GROUNDWATER AND SURFACE WATER REPORTS FOR THE TUBA CITY,
ARIZONA, DISPOSAL SITE (Docket Number WM-00073)

Dear Mr. Bush:

I am writing in response to the U.S. Department of Energy (DOE) reports entitled "August 2016 Groundwater and Surface Water Sampling at the Tuba City, Arizona, Disposal Site," dated February 2017 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML17138A117) and "February 2017 Groundwater and Surface Water Sampling at the Tuba City, Arizona, Disposal Site," dated April 2017 (ADAMS Accession Number ML17170A137). The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the reports and has the following comment:

The DOE's current groundwater sampling plans include constituents for analysis that are different from the list provided in the 1999 Groundwater Corrective Action Plan (GCAP). Specifically, the current sampling plans do not include cadmium, chromium, tin, and zinc, which were discussed in the GCAP, but they do include arsenic, silica, and vanadium, three chemicals that were not discussed in the GCAP. In commenting on the DOE report entitled "February 2016 Groundwater and Surface Water Sampling at the Tuba City, Arizona, Disposal Site," dated April 2016 (ADAMS Accession Number ML16207A062) the NRC staff noted this apparent discrepancy (ADAMS Accession Number ML17076A111), but, to date, the DOE has not provided an explanation for it.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Part 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 ADAMS. ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

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If you have any questions concerning the NRC staff's review of the reports, please contact me at 301-415-6749 or by email at Dominick.Orlando@nrc.gov.

Sincerely,

/RA/

Dominick A. Orlando, Senior Project Manager
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety and Safeguards

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ADAMS Accession No.: ML17229B248

OFC	DUWP	DUWP	DUWP	DUWP
NAME	DOrlando	CHolston	SKoenick	DOrlando
DATE	08/17/17	08/22/17	08/24/17	08/28/17

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