

February 7, 2013

Mr. Scott Surovchak, Site Manager
Shirley Basin South
U.S. Department of Energy
Office of Legacy Management
11025 Dover St. Suite 1000
Westminster, CO 80021-5573

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF REVIEW OF
U.S. DEPARTMENT OF ENERGY REPORT ENTITLED "JUNE 2012 WATER
SAMPLING AT THE SHIRLEY BASIN SOUTH, WYOMING, SITE"
DATED SEPTEMBER 2012 (Docket-040-6659)

Dear Mr. Surovchak:

I am writing in response to the U.S. Department of Energy's (DOE's) report entitled "June 2012 Water Sampling at the Shirley Basin South, Wyoming, Site" dated September 2012. The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the report and does not have any comments or questions at this time. However, we note that Radium-228 and Radium-226 continue to exceed the approved Alternate Concentration Limits (ACLs) for the site.

On June 28, 2012, DOE proposed a plan to evaluate the ACL exceedences at the Shirley Basin South site. On August 16, 2012, the NRC staff determined that DOE's plan was acceptable. Although NRC expects that DOE will prepare a report on the findings of this evaluation when it is completed, it would be useful if DOE could provide a summary of the DOE's progress in completing the plan in future annual water sampling reports.

In accordance with 10 CFR 2.390 of the NRC "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," 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 website at <http://www.nrc.gov/reading-rm/adams.html>.

S. Surovchak

2

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

Sincerely,

/RA/

Dominick A. Orlando, Senior Project Manager
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.: 040-6659

cc: Shirley Basin South dist. list

S. Surovchak

2

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

Sincerely,

Dominick A. Orlando, Senior Project Manager
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.: 040-6659

cc: Shirley Basin South dist. list

ML13037A331

OFC	DWMEP	DWMEP	DWMEP	DWMEP
NAME	DOrlando	CHolston	LChang	DOrlando
DATE	02/07/13	02/07/13	02/07/13	02/07/13

OFFICIAL RECORD COPY