

February 27, 2012

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 REQUEST TO REVISE ALTERNATE  
CONCENTRATION LIMITS AT THE SHIRLEY BASIN SOUTH, WYOMING,  
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITE, DATED  
JUNE 2011

Dear Mr. Surovchak:

I am writing in response to the U.S. Department of Energy's (DOE's) request to revise the Alternate Concentration Limits (ACLs) at the Shirley Basin South, Wyoming, Uranium Mill Tailings Radiation Control Act site. The request is available from the Publicly Available Records component of the U.S. Nuclear Regulatory Commission's (NRC) Agencywide Documents Access and Management System (ADAMS) under ML11279A055. NRC staff discussed this request with DOE and Wyoming Department of Environmental Quality (WDEQ) staff by phone on February 1, 2012.

Based on the discussion, DOE is withdrawing the request and will continue to perform monitoring at the site in accordance with the current sampling plan. DOE will use the information from its current sampling program and from past sampling programs to develop an assessment of the attenuation of the constituents of concern (COC) at the site, evaluate the conceptual model for the site, and assess the potential risk from the COCs, as the future basis for revising the ACLs. DOE will develop a plan for performing these assessments and provide it to NRC and WDEQ. It would be very helpful if you could provide your estimate of when this plan will be developed.

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 ADAMS. ADAMS is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>.

S. Surovchak

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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](mailto: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

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Sincerely,

Dominick A. Orlando, Senior Project Manager  
Special Projects Branch  
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Division of Waste Management  
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**ML120540070**

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<b>NAME</b>	DOrlando	TRowe	CMoyer	DOrlando
<b>DATE</b>	2/23/12	2/23/12	2/23/12	2/27/12

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