

February 27, 2013

Mr. Harry Nagel, Manager Minerals
Anadarko Petroleum Corporation
P.O. Box 1330
Houston, TX 77251

SUBJECT: LICENSE AMENDMENT NO. 51 APPROVING ALTERNATE CONCENTRATION
LIMITS AND ELIMINATING LICENSE CONDITION NO. 47 FOR THE BEAR
CREEK URANIUM COMPANY MILL SITE, LICENSE SUA-1310

Dear Mr. Nagel:

By letter dated November 28, 2011, Anadarko Petroleum Corporation submitted a license amendment application to the U.S. Nuclear Regulatory Commission (NRC) for the Bear Creek Uranium Mill site. The staff has reviewed the license amendment application and approves the requested alternate concentration limits (ACLs) and the termination of License Condition (LC) No. 47, facilitating the transfer of the site to the U.S. Department of Energy (DOE) for Long-Term Care and Surveillance.

NRC staff has enclosed License Amendment No. 51 which shows the elimination of LC No. 47 and the Environmental Assessment prepared for the amendment request. Also, enclosed is a Safety Evaluation Report (SER) that documents NRC staff's review of the license amendment application. As described in the SER, NRC staff reviewed facility operations and the environmental setting, ground water flow and sampling, contaminant transport modeling, hazard and exposure assessments, and monitoring. Even though NRC staff concluded that ground water monitoring is not required at this site, the staff is recommending that DOE follow a limited ground water monitoring program. This program will serve to verify the predictive accuracy of the revised ACL model over the entire recommended sampling period. Costs for any ground water monitoring are not currently in your surety. After the costs associated with the recommended sampling are calculated, you will be asked to increase the surety for the site accordingly prior to the transfer to DOE.

If you have any questions regarding this letter, please contact Tom McLaughlin, NRC Project Manager for the Bear Creek Uranium Mill site, at (301) 415-5869 or via e-mail at Thomas.McLaughlin@nrc.gov.

H. Nagel

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In accordance with 10 CFR 2.390 of the NRC's "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 Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

/RA/

Andrew Persinko, Deputy Director
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.: 40-8452
License No.: SUA-1310

Enclosures:

1. License Amendment 51
2. Environmental Assessment
3. Safety Evaluation Report

cc:

K. Frederick, WDEQ
D. Harris, WDEQ
S. Ingle, WDEQ
M. Moxley, WDEQ

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Sincerely,

/RA/

Andrew Persinko, Deputy Director
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.: 40-8452
License No.: SUA-1310

Enclosures:

- 1. License Amendment 51
- 2. Environmental Assessment
- 3. Safety Evaluation Report

cc:

- K. Frederick, WDEQ
- D. Harris, WDEQ
- S. Ingle, WDEQ
- M. Moxley, WDEQ

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