

## MEETING REPORT

DATE: Thursday, August 18, 2016

TIME: 1:00 PM to 3:00 PM

PLACE: Two White Flint  
15545 Rockville Pike  
Rockville, MD 20852

PURPOSE: Discuss Kennecott proposed draft license conditions for the renewal application for Kennecott Uranium Company, Sweetwater County, Wyoming

ATTENDEES: See Attendees (Attachment)

### BACKGROUND:

By letter dated July 24, 2014, Kennecott Uranium Company (KUC) submitted an application to renew Materials License No. SUA-1530 for the Kennecott Facility in Sweetwater County, Wyoming (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14251A113). U.S. Nuclear Regulatory Commission (NRC) issued a Request for Additional Information (RAI) on July 13, 2015 (ADAMS Accession No. ML15167A370). Kennecott submitted responses to the RAIs in a letter dated October 12, 2015 (ADAMS Accession No. ML15293A245 with responses in ADAMS Accession No. ML15293A247 Part 1 and ADAMS Accession No. ML15293A248 Part 2).

NRC issued a second round of RAIs on February 12, 2016, (ADAMS Accession No. ML16028A179). Kennecott provided responses to the RAIs in a letter dated March 31, 2016, (ADAMS Accession No. ML16091A122) and a letter dated June 8, 2016 (ADAMS Accession No. ML16160A411 with responses in ADAMS Accession No. ML16160A410). NRC staff identified several open issues for resolution. The open issues are identified as proposed draft license conditions.

NRC staff conducted a public meeting on August 18, 2016, to discuss the proposed draft license conditions with KUC. This report summarizes the discussion in this meeting related to specific draft license conditions.

### License Condition 9.10

KUC requested in the renewal application to remove the sentence, "The verification results of this remediation are to be submitted to NRC for approval as soon as reasonable possible."

### Basis

KUC submitted the Catchment Basin Excavation Completion Report on May 6, 2008, to fulfill License Condition 9.10.

ENCLOSURE

Discussion

Staff informed KUC that the language will be removed from License Condition 9.10 and a technical basis for removing this language will be included in the SER. The licensee had no further comment.

Action

None

License Condition 11.3

Staff informed licensee that they need to fully characterize the areal extent of ground water contamination associated with the site and prepare and submit a revised corrective action program (CAP) to the NRC for review and approval that will achieve compliance with the approved ground water protection standards for the site and also include a time limit to reach compliance.

Basis

NRC staff reviewed the historical Corrective Action Program (CAP) groundwater data from 2004 to 2014 in accordance with NUREG-2126 and determined that several groundwater wells were not in compliance with the groundwater protection standards as defined in License Condition 11.3

Discussion

KUC and staff discussed the current CAP and groundwater plume, and a proposed schedule for submitting a plan to address the proposed draft license condition. NRC staff and KUC understand that KUC needs to submit: (1) a groundwater contamination characterization plan to delineate the full areal extent of the contamination, (2) a groundwater contamination characterization report, and (3) a revised CAP that will achieve compliance with the approved ground water protection standards for the site within a specified time period.

Action

The licensee will remit a commitment letter to the NRC.

License Condition 11.4

Staff informed the licensee to update and submit to NRC for review and approval, a revised groundwater detection monitoring program plan for the tailings impoundment and evaporation ponds as referenced in License Condition 10.3.

In addition, the licensee shall update and submit to NRC for review and approval, a revised operational environmental air sampling program (including direction radiation, soil, and vegetation) and air effluent monitoring program.

Basis

NRC staff examined License Condition 11.4 for the groundwater detection monitoring program against 10 CFR 40, Appendix A, Criteria 5B(1) and 7A and determined that the current operational monitoring requirements for the new tailings impoundment and evaporation ponds are no longer valid. The current operational monitoring requirements assumed that groundwater contamination from the current tailings impoundment would not continue to be an

issue. Based on the review of historical CAP groundwater data from 2004 to 2014 during this license renewal, this is not true.

In addition, the location of the proposed environmental air sampling for operations was not consistent with the wind rose provided in the recent Environmental Report, dated June 2016, and Regulatory Guide 4.14. The applicant failed to describe the air effluent monitoring program to meet 10 CFR 40.65 and demonstrate compliance with 10 CFR 20.1301 and 10 CFR 20.1302.

#### Discussion

KUC acknowledged the need to propose to NRC a detection monitoring plan that would allow for differentiation between legacy contamination at the site and any new contamination from the new tailings impoundment and evaporation ponds.

In addition, KUC committed to providing an updated map showing the revised location of GS-3 consistent with the wind rose described in Figure 9 of the Environmental Report, dated June 2016, and KUC also committed to providing a description of the air effluent monitoring program that will include particulate, radon, and air flow upon resumption of operation.

#### Action

The licensee will remit a commitment letter to NRC.

LIST OF ATTENDEES  
August 18, 2016  
Teleconference Call

Jose Valdes	USNRC	(301) 415-6252
Jim Webb	USNRC	(301) 415-6252
Oscar Paulson	Kennecott Uranium Co.	(307) 328-1476