

Kennecott Uranium Company
Sweetwater Uranium Project
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September 11, 2016

Via Electronic Mail

Ms. Andrea Kock, 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
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Dear Ms. Kock:

**Subject: Sweetwater Uranium Project – Docket Number: 40-8584
Source Material License SUA-1350 - Response to the August 25, 2016 Letter Entitled
Draft Renewal Materials License, Sweetwater Uranium Project, Sweetwater County,
Wyoming**

The U.S. Nuclear Regulatory Commission (NRC) is conducting a review of the Kennecott Uranium Company (Kennecott) Sweetwater Uranium Project request for a ten-year renewal of Source Material License SUA-1350 that was submitted on July 24, 2014. The NRC provided Requests for Additional Information (RAIs) in letters dated July 13, 2015 and February 12, 2016. On August 18, 2016, a public conference call involving Kennecott and the agency was held to discuss specific license conditions that will be modified as part of the license renewal process. A letter dated August 25, 2016 entitled *Draft Renewal Materials License, Sweetwater Uranium Project; Sweetwater County, Wyoming* was received. This letter contained draft language for License Conditions 9.10, 11.3 and 11.4. The letter was received on Tuesday, August 30, 2016. It requested that Kennecott provide written comments within 30 days of receipt of this letter.

The following are Kennecott's comments or schedule to provide comments related to this letter:

- **License Condition 9.10**
 - Kennecott concurs with the changes to this license condition.
- **License Condition 11.3**
 - Kennecott has discussed the draft language license condition with James Webb and Jose Valdes of your staff during the public meeting/conference call on Thursday, August 18, 2016 and submitted a letter dated September 1, 2016 containing a schedule to submit a characterization plan to characterize the plume for review, complete characterization of the plume within a specified time upon completion of the agency's review of the characterization plan and revise the Corrective Action Program (CAP) as required based on the results of the plume characterization work.
- **License Condition 11.4 – Part 1**
 - Kennecott Uranium Company is preparing an updated groundwater detection monitoring program for the new tailings impoundment and evaporation ponds that will be submitted prior to September 30, 2016
- **License Condition 11.4 – Part 2**

NM552D

- Kennecott Uranium Company has revised *Figure 5-3 -NRC Mill Area Monitoring Locations, Resumed Operations, First New Tailings Impoundment And Evaporation Ponds* by relocating air monitoring station GS-3 to a point east of the facility so that it is in line with the predominate wind direction, and including a current wind rose on the drawing. This revised figure is included with this letter.
- Kennecott Uranium Company is developing a detailed discussion of the air effluent monitoring program that will be submitted by September 30, 2016.

If you have any questions please do not hesitate to contact me.

Sincerely yours,



Oscar Paulson
Facility Supervisor

Cc: James Webb – Project Manager – (2)
Director – USNRC DNMS – Region IV (w/o enc.)
Rich Atkinson

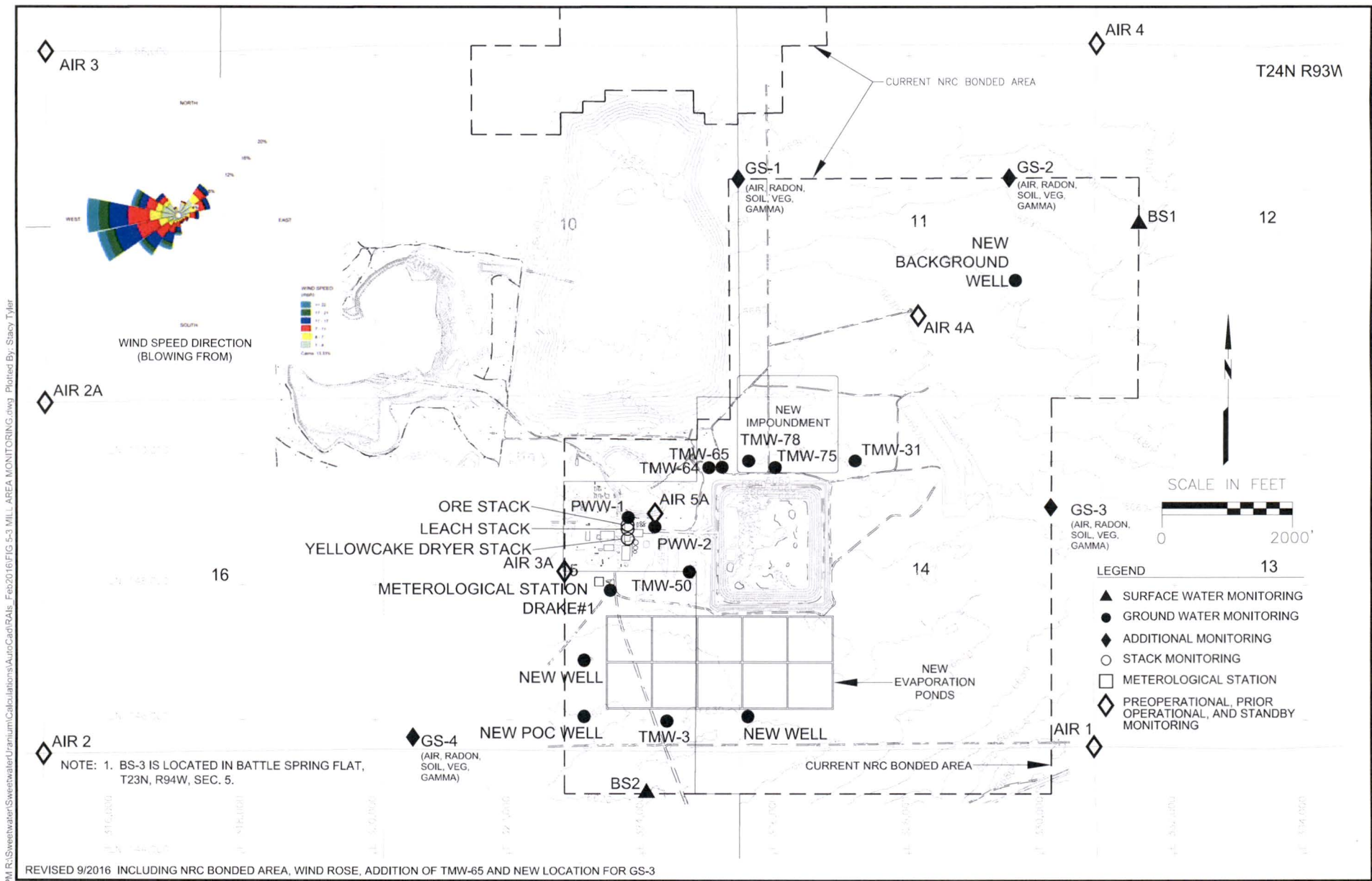


FIGURE 5-3
NRC MILL AREA MONITORING LOCATIONS, RESUMED OPERATIONS, FIRST NEW TAILINGS IMPOUNDMENT AND EVAPORATION PONDS

Date: 9/14/2016 3:03:33 PM R:\Sweetwater\Uranium\Calculations\AutoCAD\RAIS_Feb2016\FIG 5-3 MILL AREA MONITORING.dwg Plotted By: Stacy Tyler