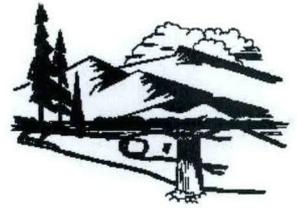




Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor



Todd Parfitt, Director

Date: February 10, 2017

Dominick Orlando, Senior Project Manager
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery and Waste Programs
Office of Nuclear Material Safety and Safeguards
11545 Rockville Pike
Mail Stop T-8F5
Rockville, Maryland 20852

RE: Mine Permit 352 (forfeited) - ANC Reclamation Project, CY 2016 Annual Report

Dear Mr. Orlando:

Enclosed is the annual report summarizing activities at the ANC Site during CY 2016. Please feel free to contact me if you have any questions regarding this annual report.

Sincerely,

Muthu Kuchanur
Geology Supervisor
Land Quality Division

Enclosure: CY 2016 Annual Report

cc: File (Permit 352, forfeited)

WDEQ/LQD Annual Report for CY 2016 ANC – Gas Hills Reclamation Project

The WDEQ/LQD has contracted Lidstone and Associates, A Wenck Company (LA) on November 7, 2014 for the remainder of the forfeited bond amount that is available with the WDEQ/LQD. Two Task Orders were issued.

Task Order # 1 was issued under this contract on November 14, 2014. This Task Order has two objectives:

1. Conduct a hydrogeologic investigation at the ANC Site that will delineate the extent of the groundwater contamination located down gradient to the north/northwest of the ANC permit boundary
2. Determine the hydrogeologic setting and controls associated with the movement if any of the contaminated groundwater

Task Order # 2 was issued on July 8, 2015. Task order # 2 consists of four tasks that will provide the WDEQ/LQD and the NRC with conceptual, risk based reclamation options and funding level costs for completing reclamation at the site. This information will allow the agencies to consider a path forward for site reclamation.

Task Order #1 and Task Order #2 were shared with the NRC and additional technical details, project schedule and deliverables were discussed routinely in the conference calls.

Summary of Project Activities in CY 2016:

Task Order # 1: LA completed the analysis of 2015 groundwater and surface water sampling data for inclusion into the task order report. Based on the revised 2016 Confirmatory Order, groundwater sampling was not conducted in 2016. LA provided a draft report summarizing the results, interpretations and conclusions related to the potentially impacted groundwater at the ANC site to the WDEQ/LQD and NRC for review in February 2016. With the WDEQ/LQD and NRC concurrence, Task Order # 1 report was finalized and a copy of the final report was sent to the NRC in April 2016.

Task Order # 2: LA submitted a draft of the Engineering Evaluation and Cost Analysis (EE/CA) and Prioritization of Reclamation activities report to the WDEQ/LQD for review in March 2016. Based on comments from the WDEQ/LQD, LA revised the draft report and submitted it to the WDEQ/LQD and the NRC before the end of March 2016. The report provided conceptual plans and updated cost estimates to reclaim TP-1 to the NRC standards and provided an evaluation of what reclamation activities could be supported with the remaining available forfeited reclamation funds. Based on the NRC input and comments, LA revised the draft report and resubmitted it to the agencies for review in May 2016. The report was subsequently finalized and the final report was submitted to the NRC in August 2016.

Confirmatory Order Revision: Based on the results and recommendations of Task Order # 2 and subsequent discussions between the WDEQ/LQD and the NRC, the Confirmatory Order was revised by the NRC in October 2016. The WDEQ/LQD sent the acceptance of the revised Confirmatory Order to the NRC in November 2016.

Task Order # 3: Based on the revised Confirmatory Order and discussions with the WDEQ/LQD and NRC staff, Task Order # 3 was developed to provide final designs for capping and revegetating TP-1 and for diverting the upstream watershed around the reclaimed tailings pond. The ultimate goal is to provide, to the extent possible, long-term containment and stabilization of TP-1 utilizing the remaining available forfeited reclamation funds.

A draft of Task Order # 3 was sent to the NRC review in October 2016. As of December 31, 2016, Task Order # 3 is under the review of the NRC. After the receipt of the NRC approval, the WDEQ/LQD and LA will initiate Task Order # 3 activities.

Meetings:

Wyoming Department of Environmental Quality Land Quality Division (WDEQ/LQD) and NRC communicated regularly in emails and phone calls to share regular updates on ANC project.