



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

January 30, 2018

Mr. Scott Schierman
Uranium One Americas, Inc.
907 N. Poplar Street, Suite 260
Casper, WY 82601

RE: 2016-2017 Annual Inspection Report, Uranium One, Moore Ranch ISR Project, PT0777

Dear Mr. Schierman,

Enclosed is a copy of the Annual Inspection Report for Uranium One's Moore Ranch ISR Project, Permit No. 777. The inspection was conducted with your assistance on January 16, 2018. A copy of this report will be placed in the permanent inspection file for Permit No. 777 as will any written comments you may have.

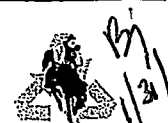
If you have any questions or comments, please contact me at 307-675-5619 or at luke.mcmahan@wyo.gov.

Regards,

Luke McMahan, P.G.
Project Geologist
WDEQ-LQD District 3

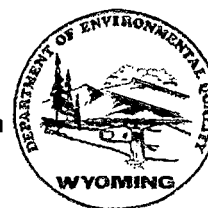
Attachment: 2016-2017 Annual Inspection Report

cc: Mr. Doug Mandeville, U.S. NRC, MS T-8F5, 11545 Rockville Pike, Rockville, MD 20852. (w/attachment)



IN SITU MINE INSPECTION REPORT

Wyoming Department of Environmental Quality, Land Quality Division
2100 West 5th Street Sheridan, WY 82801
Phone: (307) 673-9337 FAX: (307) 672-2213



Permit Number:	PT0777	Permittee:	URANIUM ONE AMERICAS INC
Inspection Date:	1/16/2018	Inspector(s):	Luke McMahan
Report Date:	1/30/2018	Participant(s):	Scott Schierman
Last Inspection:	1/9/2017	Current Bond:	\$122,171
Inspection Reason(s):	Annual	Field Conditions:	Cold, clear, windy, ~30° F, light snow cover.
		Approval Date:	12/22/2010

Status:	Active	Approved Acreage:	7094.72
County:	Campbell	Mineral:	Uranium

Opening Comments

The Moore Ranch Annual Inspection for the 2016-2017 Reporting period was conducted by LQD Project Geologist Mr. Luke McMahan on January 16, 2018 with the assistance of Mr. Scott Schierman of Uranium One. The annual report for the Moore Ranch ISR Project was received by LQD District 3 on January 5, 2018. The inspection was conducted to verify the information provided in the subject annual report. No new facilities or wellfield construction was performed at the Moore Ranch site during the reporting period. No drilling, development or mining activities were undertaken at the Moore Ranch site during the reporting period and Uranium One anticipates that minimal activities will be undertaken at the site during the next reporting period.

Records review for the Moore Ranch Project consisted of reviewing those files housed at the LQD District 3 office. Due to inactive mining and development, no spills or excursions have been reported for the Moore Ranch Project. Because facility construction and mining has not begun at the site, Uranium One has not initiated routine groundwater monitoring, surface water monitoring or wildlife monitoring. Uranium One will be required to begin routine monitoring of groundwater, surface water and wildlife prior to commencing with any facility or wellfield construction activities. The reclamation bond for the Moore Ranch ISR Project is currently \$122,171 as approved in the LQD Director's Bond Letter dated March 15, 2017.

No new disturbances associated with PT777 were observed during the inspection. It was noted that Oil & Gas operations are active within the mining permit area. No roads have been constructed in association with the project and the existing disturbances at the Moore Ranch site continue to be those reported in previous inspection reports which include the following;

- A total of 103 groundwater monitoring wells consisting of 60 monitoring wells associated with proposed wellfield areas (overlying aquifer, underlying aquifer, designated production zone restoration wells, & ring wells) and 43 miscellaneous baseline and regional monitoring wells;
- A small staging area (0.7 acres) and associated topsoil stockpile (stockpile #1 lay-down area, ~ 500 yds³); and
- One (1) culvert.

Uranium One has not submitted, for LQD review and approval, a Well Field Data Package for either Mine Unit 1 or Mine Unit 2. Therefore, no Class III wells have been constructed. EPA has issued an aquifer exemption for the proposed Mine Unit 1 and Mine Unit 2 areas per EPA's aquifer exemption approval letter dated January 14, 2011.

Compliance Assessment

Inspection Topic	In Compliance
General	N/A
• Signs	Yes
The permit sign was viewed during the inspection and was found to display the required information (Photo #1).	
• Staging Areas	Yes
There has been no new disturbance at the staging area since the last inspection. Currently, the area is stable with growth of native grasses (Photo #5).	
• Topsoil Stockpiles	Yes
One (1) topsoil stockpile is present at the site. The topsoil was stripped from the lay-down area during monitoring well construction operations. The stockpile was viewed during the inspection and found to be stable, adequately protected, and posted with a topsoil identification sign (Photos #4 & #5).	
Well Field Development	N/A
• Monitor Wells	Yes
The Moore Ranch ISR Project currently proposes two (2) wellfields (Mine Unit #1 & Mine Unit #2). The monitoring wells consist of wells installed for baseline groundwater quality and hydrogeologic characterization of the overlying aquifer, production zone aquifer and underlying aquifer. Additionally, perimeter ore zone wells (ring wells) have been constructed for proposed Mine Unit 2 which are positioned along the EPA approved aquifer exemption boundary for Mine Unit 2. No perimeter ore zone wells have been constructed for proposed Mine Unit 1. The reclamation bond for the site covers the existing monitoring wells which include 60 wells associated with proposed wellfield areas (shallow, deep, restoration, & ring wells) and 43 site-wide miscellaneous baseline / regional wells. The wells viewed during the inspection were found to be in good condition, with caps in-place and identifiable markings (Photos #2, #3, #6, #7, #8).	
Well Fields	N/A

Actions Required

There are no unresolved Maintenance Items

Actions Completed Since Last Inspection

Inspection Topic	Inspection Date	Proposed Resolution Date	Resolution Date
Signs	12/29/2015	12/31/2016	1/9/2017
Update project identification sign with current Agent/contact person.			

Inspection Summary Comments

No violations were written as a result of this inspection. No new maintenance items resulted from this inspection. Disturbance at the Moore Ranch ISR Project is minimal and consists of monitoring wells and a small lay-down area. No new development activities were conducted at the site during the 2016-2017 reporting period. As indicated in the 2016-2017 Moore Ranch ISR Project Annual Report, Uranium One does not plan for development at the site during the next reporting period. The current bond of \$122,171 remains adequate for reclamation of existing disturbance at the Moore Ranch Project site.

Inspection Recipient and Attachment Information

Recipient	Email	Address/Notes
Operator	No	URANIUM ONE AMERICAS INC

Attachment Types: ☒ Photo Addendum ☐ Map(s) ☐ Table(s) ☐ Other

Attachment Notes

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Type	FileName	Size (MB)	# Pages
Cover Letter	PT777_Annual_IR_cvrltr_01.30.18LM.pdf	0.05	1
Photos	PT777_Annual_IR_Photo Log_01.16.18_LM.pdf	1.59	5



Photo #1: View of Moore Ranch ISR Project Permit Identification Sign.



Photo #2: Moore Ranch monitoring well cluster in proposed Mine Unit 1 ("MW-3" Cluster).



Photo #3: Moore Ranch Project monitoring well UMW-3, typifies site well construction.



Photo #4: View of Moore Ranch Project topsoil stockpile located at laydown area.



Photo #5: View of Moore Ranch Project laydown area with topsoil stockpile.



Photo #6: View of Moore Ranch Project monitoring wells located in central area of proposed Mine Unit 2.



Photo #7: Moore Ranch Project monitoring well UMW-5, typifies site well construction.



Photo #8: Moore Ranch Project monitoring well 2MO-10, well ID is written on underside of cap