

August 6, 2014

Attn: Document Control Desk
Director
Office of Federal and State Materials and
Environmental Management Programs
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Protection
Mail Stop T-8F5
11545 Rockville Pike
Two White Flint North
Rockville, MD 20852-2738

Re: Surface Water Quality Data, Uranerz Energy Corporation Nichols Ranch ISR Project SUA-1597

Dear Director and Deputy Director,

In the Semi-Annual Report submitted to the NRC, dated July 25, 2014, Uranerz indicated that surface water quality would be submitted under a separate cover as discussed with NRC. The attached table contains the surface water quality for the January through June 2014 reporting period.

If you have any questions regarding the provided information, please contact me at 307-265-8900 or by email at mthomas@uranerz.com.

Sincerely,



Michael P. Thomas
Vice President Regulatory and Public Affairs
Uranerz Energy Corporation

MT/dk

Attachments

cc: Ron Linton, NRC Project Manager
Mark Rogaczewski, WDEQ-LQD District III Supervisor

FSME20

**Uranerz Surface Water Quality Analysis
January-June 2014 Semi-Annual Report**

Sample Location	Sample Date	Uranium-Natural (Total)		Radium 226			Lead 210			Thorium 230		
		Concentration (mg/L)	Reporting Limit (mg/L)	Concentration (pCi/L)	Precision (±) (pCi/L)	MDC or RL (pCi/L)	Concentration (pCi/L)	Precision (±) (pCi/L)	MDC or RL (pCi/L)	Concentration (pCi/L)	Precision (±) (pCi/L)	MDC or RL (pCi/L)
(Cottonwood D Nichols)	19 Feb 14	0.0008	0.0003	0.22	0.15	0.21	0.6	0.5	0.8	0.4	0.5	1.0
(Cottonwood U Nichols)	19 Feb 14	0.0011	0.0003	0.38	0.18	0.21	-0.4	0.7	1.2	0.4	0.5	1.1
Dry Willow Reservoir	14 May 14	ND	0.0003	0.07	0.10	0.15	0.4	0.7	1.1	-0.007	0.04	0.1
Dry Willow Reservoir	27 Feb 14	ND	0.0003	0.05	0.11	0.18	*					
Dry Willow Reservoir	30 Jun 14	0.0009	0.0003	0.29	0.13	0.15	0.2	0.6	1.1	0.2	0.1	0.2
Brown Water Pond	27 Feb 14	0.0004	0.0003	0.04	0.08	0.13	*					
HSS (Dry Willow Creek)	14 May 14	0.0100	0.0003	4.30	0.41	0.15	1.4	0.7	1.1	1.1	0.7	1.0

Notes:

ND =Not Detected at the Reporting Limit
MDC = Minimum Detectable Concentration
RL = Reporting Limit

* Lead 210 and Thorium 230 were not analyzed