



May 8, 2012

Mr. Ron Linton
U.S. Nuclear Regulatory Commission
Office of Federal and State Materials and
Environmental Management Programs
Mail Stop T-8F5
11545 Rockville Pike
Rockville, MD 20852-2738

Re: Production Area #1 Wellfield Package Hydrologic Test Uranerz Energy Corporation Nichols Ranch ISR Project SUA-1597

Dear Mr. Linton,

License Condition 10.8 in SUA-1597 requires the Production Area Pump Test document for the first production area at Nichols Ranch Unit be submitted to NRC for review and approval. Enclosed are three (3) copies of the pump test document for Production Area #1, titled "Nichols Ranch ISR Project WDEQ Permit to Mine No. 778 NRC SUA-1597 Nichols Ranch Unit PA#1 Wellfield Package Hydrologic Test". The document contains results of the aquifer test and includes information outlined in Section 5.7.8.4 of the license application, in addition to potentiometric surface maps for the ore zones to be mined, the overlying aquifer(s), and the underlying aquifer(s) as developed from pre-extraction water levels, and map(s) depicting the location of the monitor wells and ore zone monitor wells and tables listing the construction details of each well. Additionally, Uranerz has included digital copies of the pump test document and related appendices in two separate CDs for each of the 3 pump test documents. Water quality, upper control limits and restoration target values will be submitted under separate cover once sampling results have been completed.

On May 24, 2012, Uranerz has scheduled to meet with the NRC to provide a discussion of the pump test for Production Area #1. If you have any questions regarding the provided information, please contact me at 307-265-8900 or by email at mthomas@uranerz.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael P. Thomas", is written over a horizontal line.

Michael P. Thomas
Vice President Environmental, Safety, and Health
Uranerz Energy Corporation

MT/dk

Enclosures: Wellfield Package Hydrologic Test (3 copies)