

# **Uranerz Energy Corporation, Nichols Ranch Uranium In Situ Recovery Project**

## **Site Location and Project Description**

The Nichols Ranch in situ recovery (ISR) Project is located in the Pumpkin Buttes Uranium Mining District of the Powder River Basin in Johnson and Campbell counties, Wyoming. The Nichols Ranch ISR Project is divided into three units: the Nichols Ranch Unit and adjacent Jane Dough Unit; and the Hank Unit. The Hank Unit is located approximately 6 miles east of the Nichols Ranch Unit.

## **Project Licensing and Operating History**

The Nuclear Regulatory Commission (NRC) issued Source Material License SUA-1597 to the Uranerz Energy Corporation in July 2011 for uranium production at the Nichols Ranch ISR Project. The Nichols Ranch ISR Project began operations in April 2014 after successful completion of a pre-operational inspection led by the NRC Region IV office. In March 2017, the NRC granted a license amendment request that authorizes wellfield operations in the Jane Dough Unit, a 3680-acre wellfield expansion adjacent to and south of the existing Nichols Ranch Unit. The licensee currently produces yellowcake slurry which is transported to the Energy Fuels White Mesa facility for further processing. There is currently no dried yellowcake production at the Nichols Ranch ISR Project.

## **Groundwater Protection and Airborne Effluent and Environmental Monitoring Program**

The licensee is required by commitments made in its application and by license conditions to a comprehensive groundwater monitoring program and an airborne effluent and environmental monitoring program. The licensee submits semi-annual effluent reports as required by regulation.

## **Additional Information**

For more information about the Nichols Ranch Project, visit the NRC uranium recovery website at <http://www.nrc.gov/info-finder/materials/uranium/> or contact the NRC facility project manager, Ron Linton, at (301) 415-7777 or [ron.linton@nrc.gov](mailto:ron.linton@nrc.gov).