



Utah

Department of Environmental Quality

Division of Radiation Control

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Energy Fuels Resources (USA) Inc.: White Mesa Uranium Mill (formerly Denison Mines (USA))

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Energy Fuels Resources (USA) Inc. operates the White Mesa Uranium Mill, located approximately six miles south of Blanding. Prior to Energy Fuels Inc., taking ownership of the Mill in August, 2012, it was operated by Denison Mines (USA) Corporation from December, 2006 to August 2012. Preceding Denison Mines, the facility was operated by International Uranium (USA) Corporation.

The Mill License was originally issued by the US Nuclear Regulatory Commission as a source material license under 10 CFR Part 40 on March 31, 1980. It was renewed by the NRC in 1987 and again in 1997. After the State of Utah became an Agreement State for uranium mills in August, 2004, the Mill License was reissued by the Executive Secretary as a State of Utah Radioactive Materials License on February 16, 2005.

The White Mesa Mill operates under the following DEQ permits:

- [Air Quality Approval Order DAQE-AN0112050018-11](#)
- [Groundwater Discharge Permit No. UGW370004 \(Current\)](#)
- [Radioactive Materials License No. UT1900479 \(Current\)](#)

Current Activities

The Utah Division of Radiation Control is reviewing the public comments received on the proposed renewal of Radioactive Materials License No. UT 1900479 for Denison Mines, White Mesa Uranium Mill facility. The [draft Safety Evaluation Report](#) and [draft revised License](#) are available online. All comments received will be considered in the formulation of final determinations to be imposed on the renewed License. A public participation summary will be posted here when the response to comments is completed. In addition, a Memorandum of Agreement between the Division of Radiation Control and Denison has been signed and an outside consultant, URS, is beginning its review of the ICTM contaminate transport model and Reclamation plan 5.0. For more information, contact [John Hultquist](#) (801-536-4263).

- [Permit Renewal Application](#)
- [License Renewal Application](#)

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USGS Report

On February 8, 2012 the U.S. Geological Survey published a [report](#) of an assessment of potential migration of radionuclides and trace elements from the White Mesa Uranium Mill to the surrounding areas. DRC preliminary review [findings](#) were shared with the public in a July 9, 2012 meeting in Blanding.

Repository

Information listed in this section is not intended to be all inclusive. To see public records that are not posted, [please contact us](#).

Regulations

Air Quality

- [R307-101. General Requirements](#)
- [R307-107. General Requirements: Unavoidable Breakdown](#)
- [R307-150. Emission Inventories](#)
- [R307-401. Permit: Notice of Intent and Approval Order](#)
- [NESHAP Subpart W](#)

Radiation Control

- [General Provisions](#)
- [R313-14 Violations and Escalated Enforcement](#)
- [R313-15 Standards for Protection Against Radiation](#)
- [R313-17 Administrative Procedures](#)
- [R313-18 Notices, Instructions and Reports to Workers by Licensees or Registrants—Inspections](#)
- [R313-19 Requirements of General Applicability to Licensing of Radioactive Material](#)
- [R313-22 Specific Licenses](#)
- [R313-24 Uranium Mills and Source Material Mill Tailings Disposal Facility Requirements](#)
- [R313-70 Payments, Categories and Types of Fees](#)

Water Quality

- [R317-6 Ground Water Quality Protection Rules](#)

Compliance History

- [NOV and Civil Penalty History for the DUSA Mines Uranium Mill](#)

Project information

Cells

- [Cell 4A Re-lining Project](#)
- [New Tailings Cell 4B Construction Project](#)
- Tailings Cell 4B Proposed Construction
 - [Tailings Cell 4B Engineering Design Report](#)
 - [Tailings Cell 4B Environmental Report](#)
 - [Tailings Cell 4B Permit Modification and License Amendment](#)
 - [Tailings Cell 4B Radioactive Materials License Amendment Application](#)
 - [Tailings Cell 4B Related Cultural Resources Studies/Proposals](#)
 - [Tailings Cell 4B April 13, 2010 DUSA Application for Approval of Modification of an Existing Source, Utah Division of Air Quality Approval Order No. DAQE-AN0112050008-08](#)

Groundwater

- [Stipulated Consent Agreement UGW12-03 for Groundwater Monitoring Studies Related to Out-of-Compliance Status](#)
- [Background Groundwater Quality Report for Existing Wells](#)
- [Background Groundwater Quality Report for New Wells](#)
- Chloroform Ground Water Corrective Action Project

- [Chloroform Quarterly Monitoring Reports](#)
- [Ground Water Contaminant Investigation Report](#)
- [Ground Water Corrective Action Plan](#)
- [Notice of Violation and Groundwater Corrective Action Order](#)
- [Fansteel Alternate Feed Proposal](#)
- Nitrate Ground Water Corrective Action Project
 - [Nitrate Ground Water Contaminant Investigation Report](#)
 - [Nitrate Ground Water Corrective Action Plan](#)
- [University of Utah Groundwater Age and Isotopic Fingerprinting Study](#)

Reports

- [Quarterly Groundwater Monitoring Reports](#)
- [Quarterly Chloroform Monitoring Reports](#)
- [Quarterly Nitrate Monitoring Reports](#)
- [Semi-Annual Effluent Monitoring Reports](#)
- [Annual Tailings Wastewater Sampling Report](#)
- [Annual Seeps and Springs Sampling Report](#)

About Radiation

For those wanting to learn more about Radiation, we recommend [Radiation Answers](#), sponsored by the Health Physics Society.

Questions

Division of Radiation Control

[John Hultquist](#)—Licensing Actions
801-536-4263

[Phil Goble](#)—Compliance Activities
801-536-4044

Division of Air Quality

[Tim Andrus](#)—Approval Orders
801-536-4429

[Jay Morris](#)—Compliance Activities
801-536-4079



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Banner Photo by [Rhonda Thiele](#), Division of Water Quality

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