Remediation of the
Moab Uranium Mill Tailings,
Grand and San Juan Counties, Utah,
Final Environmental Impact Statement

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Volume I
Chapters 1–11

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Abstract:

The Remediation of the Moab Uranium Mill Tailings, Grand and San Juan Counties, Utah, Final Environmental Impact Statement provides information on the environmental impacts of the U.S. Department of Energy’s (DOE’s) proposal to (1) remediate approximately 11.9 million tons of contaminated materials located on the Moab site and approximately 39,700 tons located on nearby vicinity properties and (2) develop and implement a ground water compliance strategy for the Moab site using the framework of the Final Programmatic Environmental Impact Statement for the Uranium Mill Tailings Remedial Action Ground Water Project (DOE/EIS-0198, October 1996). The Environmental Impact Statement (EIS) informs the public of the information used by DOE in decision-making for the remediation of the Moab site. The surface remediation alternatives analyzed in the EIS include on-site disposal of the contaminated materials and off-site disposal at one of three alternative locations in Utah using one or more transportation options: truck, rail, or slurry pipeline. This EIS evaluates the environmental consequences that may result from implementing the reasonable alternatives, including health impacts to the public, impacts to ground water and surface water, traffic impacts, and impacts to other resources. The EIS also analyzes a No Action alternative, under which DOE would not implement any surface or ground water remedial actions. DOE’s preferred alternatives are off-site disposal of the mill tailings at Crescent Junction, Utah, using rail transportation, and implementation of active ground water remediation at the Moab site.

Public Comments:

In preparing this final EIS, DOE considered comments received from the public and from agencies during scoping meetings, during public hearings on the draft EIS, and during a 90-day public comment period on the draft EIS that began November 12, 2004, and ended February 18, 2005. Public hearings on the draft EIS were held at four locations in Utah in January 2005.

* Substantive changes made to the text of the EIS between draft and final have been marked with sidebars in the margins.
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6.1 Unavoidable Adverse Impacts

6.2 Relationship Between Local Short-Term Uses of the Environment and Long-Term Productivity

6.3 Irreversible or Irretrievable Commitment of Resources

7.0 Regulatory Requirements

7.1 Federal Regulatory Requirements


7.1.2 Uranium Mill Tailings Radiation Control Act, 42 U.S.C. §§ 7901 et seq., as amended

7.1.3 Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law No. 106-398)


7.1.5 Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.)

7.1.6 Migratory Bird Treaty Act of 1918, as amended (16 U.S.C. 703 et seq.)

7.1.7 Clean Water Act, 33 U.S.C. §§ 1251 et seq.

7.1.8 Rivers and Harbors Act of 1899, Section 10, 33 U.S.C. 403

7.1.9 Floodplain Management and Protection of Wetlands, 10 CFR 1022

7.1.10 Safe Drinking Water Act, 42 U.S.C. 300f et seq.

7.1.11 Clean Air Act, 42 U.S.C. §§ 7401 et seq.


7.1.13 Antiquities Act, 16 U.S.C. 431 et seq.


7.1.15 Noise Control Act of 1972, 42 U.S.C. 4901 et seq., as amended

7.1.16 Resource Conservation and Recovery Act, 42 U.S.C. §§ 6901 et seq., as amended


7.1.18 Toxic Substances Control Act, 7 U.S.C. 136 et seq.

7.1.19 Executive Order 12898 (Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, February 11, 1994)

7.2 Native American Regulatory Requirements


7.2.2 Native American Graves Protection and Repatriation Act of 1990 (25 U.S.C. 3001)

7.2.3 Executive Order 13007, Indian Sacred Sites

7.2.4 Executive Order 13175, Consultation and Coordination with Indian Tribal Governments

7.3 State Regulatory Requirements

7.3.1 Clean Water Act Implementing Regulations

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