



**U.S. Department of Energy
Office of Legacy Management
Categorical Exclusion Determination Form**



Program or Field Office: Office of Legacy Management

Project Title and I.D. No.: Groundwater Monitoring and Associated Actions at the Green River, Utah, Disposal Site, LM 18-15

Location: Green River, Utah

Proposed Action or Project Description:

The proposed Groundwater Compliance Action Plan (GCAP) (LMS/GRN/S07892) for the Green River disposal site is based on the compliance strategy selection framework in the 1996 Programmatic Environmental Impact Statement. The GCAP addresses both Subparts A (disposal site) and B (groundwater cleanup) of the U.S. EPA (EPA) standards due to the nature of the site. A risk assessment based on EPA criteria demonstrated that the compliance strategy would be protective of human health and the environment. Two distinct groundwater units have been impacted by past uranium-ore-processing activities. The compliance strategy for the Browns Wash alluvium would be no further remediation with the application of supplemental standards based on limited yield for groundwater due to sustained continuous flow of less than 150 gallons per day. The compliance strategy for the middle sandstone unit of the Cedar Mountain Formation would be no further remediation and application of alternate concentration limits (ACLs) for constituents with concentrations that exceed EPA maximum concentration limits (MCLs) and State of Utah water-quality standards for groundwater. This compliance strategy requires groundwater and surface water monitoring at 22 wells and 3 surface water sampling points. If sampled constituents at any of these locations exceed the respective ACL, then quarterly monitoring would be conducted for 2 years where the ACL was exceeded. The results and need for corrective action would be analyzed. Access agreements with adjacent landowners are required for ongoing activities and would be renewed periodically. Routine site actions such as sampling, maintenance or replacement of monitoring well components, minor fence and erosion repair, and trash/debris removal would continue. Administrative actions (i.e., access agreements, inspections, reporting, stakeholder communications, etc.) and long-term monitoring activity would also continue as needed.

Categorical Exclusion(s) Applied:

- B1.3 – Routine maintenance
- B1.24 – Property transfers
- B3.1 – Site characterization and environmental monitoring (surface water and groundwater)

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of 10 CFR Part 1021.

Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D

To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

The proposal has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer:

Date Determined: