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.: Routine and Non-Routine Activities at the Grand Junction, Colorado, Office Site, ID # LM 12-12

Location: Grand Junction, Colorado

Proposed Action or Project Description:
The U.S. Department of Energy (DOE) Office of Legacy Management (LM) administers long-term surveillance and maintenance operations for remediated sites assigned to LM by DOE. The majority (approximately 185) of the LM and contractor workforce conducts operations from the Grand Junction office site where DOE leases seven buildings or structures for personnel and project use. LM issues work orders to the owner of the site when repairs or modifications are needed to buildings or to the grounds. Parking areas onsite are also reserved for LM and contractor employees as well as for fleet management parking; parking spaces are available for 13 vehicles leased from the U.S. General Services Administration. The long-term surveillance and maintenance activities on the site include annually taking samples from seven groundwater and six surface water locations; future activities may include the installation of up to five groundwater monitoring wells. In addition, LM conducts an annual site inspection. In 2012, LM proposes to obtain soil samples using a Geoprobe rig (or potentially a hand auger). The samples would be obtained from locations that were remediated or otherwise disturbed.

An onsite environmental services laboratory provides laboratory resources needed for analysis of soil and water samples. The primary mission of the lab is to facilitate and perform multidisciplinary research activities in support of environmental restoration and geoscience projects at DOE sites nationwide. Studies may include chemical barriers, hydrogeochemical monitoring, tree ring chemistry, water-site lysimetry, geochronology, hydroprobe comparisons, and natural analogs used to investigate long-term performance of engineered waste-site covers with regard to climate change and ecological processes. Small quantities (less than 20 kilograms per year) of experimental residue, waste, and effluent are generated and managed in accordance with applicable regulations.

The site also contains 30 borehole calibration models made up of 12 different types of test pits currently active for the calibration of environmental radiation detectors. The models contain low levels of naturally occurring radioactive materials. These activities were previously evaluated in LM 42-11.

Various modifications to the buildings leased by DOE have been made in response to DOE requests for infrastructure upgrades related to sustainable building practices, which have included heating, ventilation, air conditioning, and utility upgrades; changes in lighting; the installation of solar panels; and other minor system adjustments. As structures are expanded, demolished, or remodeled, there may be a need for small-scale cleanup of asbestos or other low-level contamination that had been left in place, based on the application of supplemental standards and deferred remediation. Dust suppression and other environmental controls would be used to ensure protection of human health and the environment during cleanup or facility modifications. Upgrades to building and site security features may include motion-sensor lighting and proximity card readers for all entrances. Other future site modifications may include continued building renovation, acquiring additional building space, demolishing a building, or enhancement of existing walking trails or development of new walking trails.

None of the ongoing or proposed activities would potentially impact protected resources. All impacts that were evaluated in association with current or proposed actions were found to be minor.

Categorical Exclusion(s) Applied:

- B1.3 Routine Maintenance
- B1.4 Air Conditioning systems for existing equipment
- B1.7 Electronic Equipment
- B1.13 Pathways, short access roads, and rail lines
- B1.15 Support Buildings
- B1.16 Asbestos removal
- B1.23 Demolition and disposal of buildings
- B1.24 Property transfers
- B1.28 Placing a facility in an environmentally safe condition
- B2.1 Workplace enhancements

- B2.2 Building and equipment instrumentation
- B2.4 Equipment qualification
- B2.5 Facility safety and environmental improvements
- B3.1 Site characterization and environmental monitoring
- 5.16 Solar Photovoltaic systems
- 6.1 Cleanup actions

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.

Kelli Bal for — 9/21/12

NEPA Compliance Officer: **Date Determined:**