



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.: Current and Future Actions Related to Installation, Sampling, Abandonment, and Repair of Monitoring Wells at the Pinellas County, Florida Site LM1-13

Location: Pinellas County, Florida

Proposed Action or Project Description:

DOE conducts environmental characterization, surface water and groundwater sampling, and monitoring and maintenance actions throughout the Pinellas site under the authority of the Resource Conservation and Recovery Act and the Hazardous and Solid Waste Amendments. DOE proposes to install 9 groundwater monitor wells, abandon 25 wells, modify 3 wells, and replace up to 8 well pads. Current and future well installation actions might include direct push drilling technology, using equipment such as a Geoprobe rig, to a designated depth more or less 40 feet below ground surface, with casing diameters in the range of 1 to 2 inches with a few that may be 4 to 8 inches depending on the type of well. Wells might include a locking well vault and a 2 foot by 2 foot, approximately 8 inch thick, traffic-rated concrete pad required by Florida Water Management District requirements. All required permits would be obtained prior to drilling. Once a well is established it may be brought into service or developed using peristaltic pumps. Current and future modifications to monitor wells may include but are not limited to modifying well casings so they are flush with the existing grade, removal of damaged well pads and replacement with 2 foot by 2 foot concrete pads, and installing protective measures for wellheads. Well abandonment activities are and would be conducted in accordance with Southwest Florida Water Management District requirements and might include using an excavator to remove concrete pads and protective vaults, terminating riser pipes below the land surface, and filling the pipes with grout and backfilling them to grade level with sand. Well locations may require up to 50 pounds of sand for backfilling. All solid and semisolid materials and liquids from installation, modification, or abandonment activities would be tested, drummed, and recycled or disposed as appropriate.

Categorical Exclusion(s) Applied:

- B1.3 Routine maintenance
- B3.1 Site characterization and environmental monitoring
- B6.1 Clean up 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.


NEPA Compliance Officer:

3/6/13
Date Determined: