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U.S. Department of Energy
Categorical Exclusion Determination Form

Project Title: Groundwater Monitoring Wells to Support Enhanced VOC Attenuation Pilot Test Using Humate at M-Area Southern Sector

Program or Field Office: Savannah River Site

Location(s) (City/County/State): Aiken/Aiken/South Carolina

Proposed Action or Project Description:

The Savannah River Site requested and the South Carolina Department of Health and Environmental Control (SCDHEC) approved a temporary authorization for the evaluation of enhanced attenuation of volatile organic compounds (VOCs) in the M-Area Southern Sector using humate amendment via a Southern Sector recirculation well (SSR-001). During the evaluation, monitoring will be performed in the surrounding aquifer zone. Six monitoring wells (SSM-037B, SSM-037C, SSM-038B, SSM-0038C, SSM-039B, and SSM-039C), ranging in depth from 135 feet to 180 feet, will be installed to support the evaluation. The six additional wells will be located in the upper and lower Lost Lake aquifer zones (ULLAZ and LLLAZ, respectively).

Categorical Exclusion(s) Applied:

B3.1 - Site characterization and environmental monitoring

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.

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

☒ This 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 § 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

☒ All of the conditions that are integral elements of the classes of actions in Appendix B to Subpart D of 10 CFR Part 1021 would be met. This proposal would not threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; 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; 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; have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of Appendix B to Subpart D of 10 CFR Part 1021; 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.

Based on my review of information conveyed to me and in my possession (or attached) concerning 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: Tracy L. Williams Digitally signed by Tracy L. Williams DN: cn=Tracy L. Williams, o=DOE-SR, ou=EQMD, email=tracy.williams@srs.gov, c=US Date: 2016.08.02 18:41:30 -04'00' Date Determined: 07/26/2016

Comments: CBU-M-2016-0031, Rev. 0