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Attention: Janet Griffin

SAVANNAH RIVER NUCLEAR SOLUTIONS
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AIKEN, SC 29808

PUBLIC NOTICE

**DOE Requests Temporary Authorization to Modify
the Corrective Action System
at the M-Area Hazardous Waste Management Facility:
M-1 Air Stripper System at the Savannah River Site**

The U. S. Department of Energy at the Savannah River Site (SRS) has requested from the South Carolina Department of Health and Environmental Control (SCDHEC) a temporary authorization to modify the M-1 Air Stripper system by adding an additional recovery well, RWM019, and removing two recovery wells, RWM 9 and RWM 11, and converting them to monitoring wells.

The M-1 Air Stripper system consists of eleven groundwater recovery wells that removes and treats groundwater contaminated with volatile organic compounds (VOCs) (i.e., trichloroethylene and tetrachloroethylene) from the Lost Lake Aquifer Zone (LLAZ). Another system near the M-Area Settling Basin (MASB), a former disposal area, applied steam heat and soil vapor extraction to the vadose zone, M-Area Aquifer, and green clay (over 3 acres) to target a residual VOC source. To date, this system recovered over 450,000 pounds of contaminants. Follow-up characterization at the MASB indicated that contamination was still present outside the heating target zone and in the LLAZ (below treatment depth).

SRS is proposing this temporary authorization, consistent with SCDHEC regulations, which will focus on the area immediately to the east and south of the MASB in the LLAZ, which has high concentrations of dissolved VOCs in groundwater. This TA will consist of the installation of an additional recovery well, RWM019, which will transfer contaminated groundwater to be treated at the M-1 Air Stripper system.

Along with the addition of RWM019 to the M-1 Air Stripper, the SRS requests that recovery wells RWM 9 and RWM 11 be removed from the recovery well system. These two wells have significantly lower VOC concentrations and mass removal compared to the other recovery wells in the M-1 Air Stripper system. Other recovery wells will continue to operate that will capture some of the residual VOCs currently going to RWM 9 and RWM 11. Due to the M-1 Air Stripper flow rate requirements, at least one of these wells will need to be removed from the recovery well system when RWM019 becomes operational. Based on their low concentrations and mass removal, the SRS proposes to remove RWM 9 and RWM 11 from the recovery well system and use them as monitoring wells with semi-annual sampling.

For additional information, contact:

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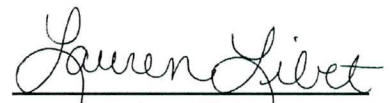
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