

AFFIDAVIT OF PUBLICATION

THE PEOPLE SENTINEL

PO Drawer 1255
Barnwell, SC 29812
(803) 259-3501 phone
(803) 259-9441 fax

STATE OF SOUTH CAROLINA
COUNTIES OF BARNWELL & ALLENDALE

Personally appeared before me, Laura J. McKenzie, who being duly sworn on oath says she is the Publisher of *The People Sentinel*, a weekly newspaper published and circulated in the State of South Carolina; that the notice, of which a true copy is hereby attached, was published in said issue(s)


of: _____



Laura J. McKenzie

Sworn to before me this 21st

day of February 2018


Linda S. Collins, Notary Public for S.C.

My commission expires:
My Commission Expires February 14, 2027

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:

David Scaturo, P.E., P.G., Director
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
Division of Waste Management
2600 Bull Street
Columbia, SC 29201

or

Janet Griffin
Savannah River Nuclear Solutions, LLC
Savannah River Site
Building 730-1B
Aiken, SC 29808
(803) 952-8467
Janet.griffin@srs.gov