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from the Savannah River Site

Temporary request made to demonstrate groundwater remediation technology

The Department of Energy (DOE) at the Savannah River Site has requested from the South Carolina Department of Health and Environmental Control (SCDHEC) a temporary authorization request to demonstrate the phyto-irrigation technology at M-Area Hazardous Waste Management Facility Southern Sector. Phyto-irrigation is a technology that uses volatile organic compound [i.e., trichloroethylene (TCE) and tetrachloroethylene (PCE)] separation processes and the natural processes associated with plants to remediate contaminated media.

The demonstration proposes to spray irrigate up to 40 gallons per minute of TCE- and PCE-contaminated groundwater onto a stand of loblolly pines and hybrid poplars (up to four acres) near groundwater recovery well RWM-16. The demonstration would start this fall and continue for approximately three years.

Need more information?

SCDHEC
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