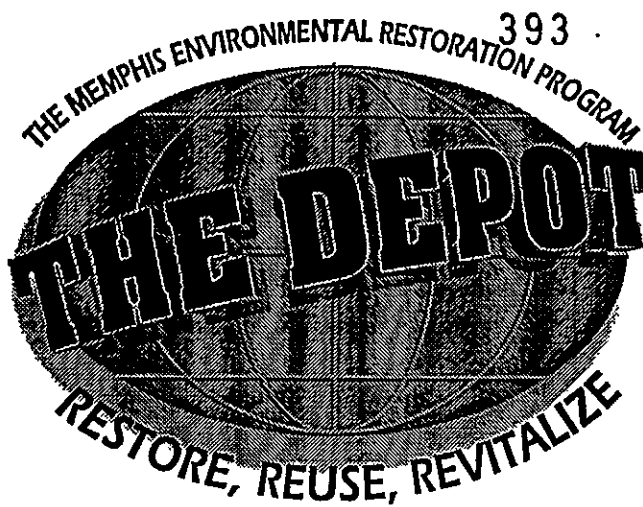




THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

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Groundwater Program Fact Sheet

Under the Depot there is a layer of groundwater called the Fluvial aquifer. A portion of the Fluvial aquifer has been impacted by compounds from past Depot activities and now requires cleanup. The Fluvial aquifer is not the groundwater layer that provides drinking water to Memphis. The impacted groundwater in the Fluvial aquifer, the plume, must be cleaned up because it is moving toward the Allen Well Field and could possibly make its way into the drinking water aquifer, called the Memphis Sand aquifer.

In order to gather information about the size and compound levels in the plume, groundwater monitoring wells have been installed on the Depot as well as in the surrounding community. To cleanup the plume and to prevent more impacted groundwater from moving away from the Depot, a groundwater pumping system has been designed and approved by the Environmental Protection Agency and the Tennessee Department of Environment and Conservation. Beginning in January 1998, the Depot began construction of the groundwater pumping system by installing seven groundwater extraction wells along the western perimeter of Dunn Field. A pipeline connects all seven wells and carries the removed groundwater to the Memphis sanitary sewer system. Once in the sanitary sewer system, the groundwater will make its way to a Memphis sewage treatment plant where it will be cleaned as part of the plant's normal sewage treatment procedures.

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