



Work begins on groundwater cleanup remedy at Dunn Field

March 2006 – As part of the Memphis Depot's ongoing environmental cleanup program, eight groundwater-monitoring wells will be installed in the Memphis Depot community. The wells will be used to collect data necessary to design and monitor the groundwater cleanup remedy for Dunn Field, as outlined in the Dunn Field Record of Decision (ROD).

Monitoring wells will be installed near the following areas between March 14 and March 28, 2006:

- **5 wells on the vacant property west of Rozelle Street (west of Dunn Field)**
- **3 wells on Dunn Field**

CH2M Hill will oversee the well-drilling contractors who will drill boreholes and install the monitoring wells. The drilling equipment will consist of a large drill rig and a support truck.

CH2M Hill will conduct the additional sampling to obtain information about the groundwater conditions beneath the Depot community as part of the Zero-Valent Iron (ZVI) Permeable Reactive Barrier (PRB) Implementation Study and as part of the Dunn Field Remedial Design Investigation. CH2M Hill will use the data to complete the subsurface soils remedial design on Dunn Field and to begin the design of the PRB west of Dunn Field. The information will also be used to ensure that the remedies, both on and off-Depot, operate properly.

The subsurface soils remedy consists of soil vapor extraction (SVE). SVE uses air injected into the ground to cause the chemicals, called volatile organic compounds, to become vapors which will then be pulled out of the ground, collected and treated prior to the clean air being released from the containment system. A PRB is an underground wall filled with iron particles, called ZVI, which allows the affected groundwater beneath Dunn Field to pass through. As the water flows through the PRB, the iron particles naturally break down the volatile organic compounds in the groundwater. The chemicals become safe compounds that degrade over time.

The Depot anticipates that this work will take approximately two weeks to complete. The team will make every effort to minimize noise and disturbance to the community.

The Dunn Field ROD is available for public review in the Depot's Information Repositories located at the Cherokee Branch Library and the Memphis Depot Business Park.

For more information, please call the Memphis Depot Community Relations Office at (901) 774-3683.