



Additional wells for early cleanup action at former Depot

November 2004—The City of Memphis has granted a permit to allow installation of a monitoring well on the side of Menager Road between Ragan and Rayner Streets. The drilling equipment will partially block that section of Menager Road for one to two days between November 11 and 16, 2004. The new well will be used to gather environmental data as part of the Depot's treatment remedy for groundwater as outlined in the Dunn Field Record of Decision (ROD).

The Memphis Depot Base Realignment and Closure Cleanup Team (BCT) and its environmental contractors began preparation for the early implementation of Zero-Valent Iron (ZVI) injection in October with the installation of seven additional off-site monitoring wells in the Depot community.

Based on the sampling results from these and other offsite monitoring wells, the BCT has approved the installation of seven more wells in November and December – including the well on Menager Road. These wells will establish a monitoring network around the treatment areas and provide sentry wells to monitor groundwater in areas with probable groundwater flow to deeper aquifers.

ZVI is considered a safe substance that presents no unacceptable risks to human health or the environment. When it is injected into groundwater containing chlorinated volatile organic compounds (CVOCs), a chemical reaction occurs that significantly reduces the CVOc concentrations. The community will not be exposed to the iron powder, which will be contained and injected under controlled conditions into the shallow aquifer 75-90 feet below the ground surface.

Two offsite treatment areas were selected for the early implementation of ZVI injection. The primary location is on the Memphis Light, Gas and Water (MLGW) substation property along Menager Road. The secondary area is along Rozelle Street on unoccupied properties owned by City of Memphis and Memphis/Shelby County. Based on the latest monitoring results, ZVI will be injected only on the MLGW property at this time.

The drilling equipment for installing the monitoring wells will consist of a large drill rig and a support truck, and additional support vehicles will be used during the ZVI injection. Prosonic Corporation will install the monitoring wells. ARS Technologies will install the injection borings and inject the ZVI. Both contractors will be under the direction of MACTEC Engineering and Consulting, the environmental contractor for the cleanup effort.

The monitoring wells will be installed November 8-17. The ZVI injections will take place between November 18 and December 30, 2004. Air quality monitoring and dust-control measures will be in place to minimize any disturbance to the community.

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