

**STEP 7
OPTIMIZE THE DESIGN FOR OBTAINING DATA**

An optimization of the long-term monitoring being conducted under the CSSA groundwater monitoring program was conducted in 2005. The LTMO report was submitted May 2005 for review by USEPA and TCEQ. CSSA elected to perform this LTMO study because optimizations can assure proper remedial decisions are made and streamline future data collection over the life of a monitoring program.

The CSSA LTMO study utilized a three-tiered methodology, and included data compilation and site screening, qualitative evaluation decision logic, temporal trend evaluations, and spatial statistical analyses. CSSA will continue to utilize LTMO reviews in the future to continue to optimize the design for obtaining data under these DQOs.

Mr. Greg Lyssy, of the USEPA approved implementing LTMO recommendations on November 14, 2005, while TCEQ approved the COC changes and the on-post sampling frequency recommendations on December 19, 2005. However, TCEQ did not approve any sampling frequency changes to the off-post sampling program. Based on TCEQ's decision, off-post sampling frequencies will not incorporate the LTMO recommendations.