

US EPA ARCHIVE DOCUMENT



# West Lake Update

June 9, 2014

## Quality Assurance Project Plan for Off-Site Air Monitoring

As EPA gears up for the pre-construction activities associated with construction of the isolation barrier at



*EPA staff checking the operational status of the air monitoring station around the West Lake landfill site.*

West Lake Landfill, more details of the air monitoring plan are being developed. As reported in a previous West Lake Update, EPA will conduct its own off-site air monitoring during construction of the isolation barrier.

This is in addition to the on-site air monitoring being conducted by the PRP contractor.

Prior to actual construction activities, EPA will conduct off-site air monitoring to better understand current ambient air conditions in the surrounding area. EPA will collect data on the pre-construction levels of chemicals and radiological contaminants in outdoor air. The data will also be used to optimize the sampling plan for the off-site air monitoring that will occur during construction of the isolation barrier.

The Quality Assurance Project Plan, or QAPP, for this monitoring activity has been signed and will be available later this week on EPA Region 7's West Lake web page. A QAPP documents the planning, implementation, and assessment procedures for a particular project, as well as any specific quality assurance and quality control activities. It integrates all the technical and quality aspects of the project in order to provide a "blueprint" for obtaining the type and quality of environmental data and information needed for a specific decision or use. All work performed or funded by EPA that involves the acquisition of environmental data must have an approved QAPP. Primary data collection, secondary data usage, and data processing (such as modeling) project activities funded by EPA are described and documented in QAPPs.

EPA has identified five locations at which it will conduct air monitoring: Robertson Fire Protection District on Taussig Road, Bridgeton, Mo.; Pattonville Fire Department Administration Building on St. Charles Rock Road, Bridgeton, Mo.; Pattonville Fire

Department #2 on McKelvey Road, Hazelwood, Mo.; St. Charles Fire Department #2 on South Main Street, St. Charles, Mo.; and the Spanish Village Park on Spanish Village Drive, Bridgeton, Mo.

## Historical Off-Site Soil Sampling

At the May 29 CAG meeting, EPA referred to historical off-site soil sampling conducted by the Missouri Department of Natural Resources in 2005. MDNR conducted this off-site sampling along St. Charles Rock Road, Boenker Road, and Taussig Road in Bridgeton, Mo.

On August 17, 2005, approximately 40 soil samples were taken along St. Charles Rock Road, and on September 27-28, 2005, an additional 43 soil samples were taken along Boenker Road and Taussig Road near the Bridgeton Landfill. The soil samples were analyzed for radium, thorium and uranium. This sampling event supplements off-site soil sampling conducted by the U.S. Department of Energy and the U.S. Army Corps of Engineers (USACE), which is referenced in the USACE's 2005 Record of Decision for the North St. Louis County Sites.

The results of the 2005 effort are consistent with those previous off-site sampling events along historical haul routes indicating that there are no elevated radiation levels outside the site which present a health risk and that contaminants at West Lake Landfill remain contained within the boundaries of the site.

## CAG Meeting

The Community Advisory Group (CAG) will hold its next meeting at 6:30 p.m. on June 16, 2014, at the facilities of Operating Engineers Local 513, 3449 Hollenberg Drive, Bridgeton, Mo. Representatives from EPA Region 7, the Agency for Toxic Substances and Disease Registry (ATSDR), and the U.S. Army Corps of Engineers will attend.

### Community Inquiries

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