



May 15, 2014

Roy Franceschina
Western Utility Contractors, Inc.
2565 Palmer Ave.
University Park, IL 60466

RE: 440 E. Ohio Street Thorium Monitoring

Dear Mr. Franceschina:

Stan A. Huber Consultants, Inc (SAHCI) was hired by your firm to provide radiation monitoring during the repair of a utility manhole at 440 E. Ohio St. in Chicago, Illinois. The monitoring was performed on May 13, 2014.

Instrumentation

Surface gamma scans were performed by Joel Ahrweiler using a Ludlum Model 2221 Scaler / Ratemeter with attached 2"x2" NaI probe. The instrument was calibrated on October 18, 2013. The USEPA action level of 7.1 picocuries per gram (pCi/g) total thorium for this instrument is 18,643 counts per minute (cpm).

The average background count rate for this location was found to be between 5,400 cpm and 6,200 cpm.

Soil Gamma Scans

Gamma surface scans were performed using the Ludlum Model 2221 Scaler / Ratemeter described above. Data was collected by scanning all the concrete asphalt and soil that was removed from the excavation area for each 18-inch lift and recording the highest count rate for the material from a maximum excavation depth of 18 inches. No concrete, asphalt, or soil was stockpiled during the project and all excavated materials were loaded directly into the truck after screening.

The maximum gamma count rates for each 1.5-foot lift are detailed on the attached Radiation Survey Form. The count rates in the excavation ranged from 5,700 cpm to 5,800 cpm. No count rates were found at any time that exceeded the threshold limit of 18,643 cpm.

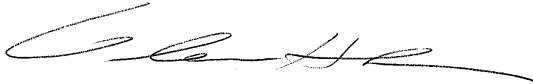
Additional Monitoring

Since no count rates were identified above the 7.1 pCi/gram threshold limit, no additional soil sampling, air monitoring, or personnel monitoring were performed.

You will need to forward a copy of this report to the City of Chicago Department of Public Health (Attn: Rahmatunsia Begum) with the CDOT Permit Number in the subject line. I will be providing a copy of this report to USEPA, as required.

Thank you for your assistance with this project. If you have any questions or need additional information please call me at (815) 485-6161.

Sincerely,
Stan A. Huber Consultants, Inc.

A handwritten signature in black ink, appearing to read 'Glenn Huber', with a long horizontal flourish extending to the right.

Glenn Huber, CHP
President

Radiation Survey Form

Location/ Project ID: Western Utility, 440 E. OHIO ST.

Date: 5/13/2014

Technician: Joel Ahrweiler

Inst Model: 2221

Serial No. : 127242

Probe Type: 1"x1" NaI / 2"x2" NaI
Shielded / Not Shielded

Lift Elevation: Max Depth -1.5 foot deep

Background 5.4 - 6.2 kcpm

Action Level: 18643 cpm

Write grid designations in circles. Record highest counts for grid in cpm. Record 30 second counts at grid intersections (if required). Shade areas of elevated counts and record max cpm.

