



October 7, 2016

Jack Las
Western Utility Contractors, Inc.
2565 Palmer Ave.
University Park, IL 60466

RE: 532-614 N. St. Clair St Thorium Monitoring

Dear Mr. Las:

Stan A. Huber Consultants, Inc (SAHCI) was hired by your firm to provide radiation monitoring of an excavation for utility repairs at 532-614 N. St. Clair St. in Chicago, Illinois. The monitoring detailed in this report was performed after excavation had already been completed.

The monitoring was performed by Steven Kowalczyk, SAHCI Health Physics Technician, on September 26 and September 28, 2016.

Instrumentation

Surface gamma scans were performed using a Ludlum Model 2221 Scaled / Ratemeter (serial no. 126497) with attached 2"x2" NaI probe (6" lead shielded). The instrument was calibrated on October 15, 2015. The USEPA action level of 7.1 picocuries per gram (pCi/g) total thorium for this instrument is 6,018 counts per minute (cpm).

The average background count rate for this location was found to average 1,800 cpm.

Soil Gamma Scans – Soil Roll-Off Dumpster

Since no monitoring was performed during excavation, surveys were performed at the Western Utility Contractors Equipment Yard located at W. Cermak Rd. and Union Ave. in Chicago, Illinois on September 26, 2016. The soil from the excavation had been moved to the equipment yard in a roll-off dumpster earlier that day. The material in the dumpster was found to have a maximum count rate of 2,333 cpm.

Follow-up surveys were performed at the excavation location at 532-614 N. St. Clair St. in Chicago, Illinois on September 28, 2016. The depth of the excavation was approximately 10 inches deep. The floor of the excavation was found to have a maximum count rate of 2,461 cpm.

No count rates were found at any time that exceeded the threshold limit of 6,018 cpm.

Additional Monitoring

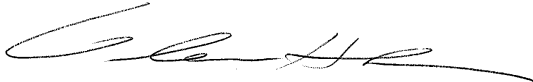
Since no count rates were identified above the 7.1 pCi/gram threshold limit, no additional soil sampling, air monitoring, or personnel monitoring were performed.

Regulatory Notification of Survey Completion

I will be providing a copy of this report to both the City of Chicago Department of Public Health and US Environmental Protection Agency, 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', written in a cursive style.

Glenn Huber, CHP
President

Radiation Survey Form

Location/ Project ID: Western Utility Contractors 532-614 N. St. Clair St.

Date: 9/26/16 + 9/28/16

Technician: STEVEN KOWALCZYK

Inst Model: Ludlum 2221

Serial No. : 126497 Probe SN: 171991

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

Lift Elevation: Surface → -10"

Background 1800 cpm

Action Level: 6,018 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.

