



February 9, 2026

707818

Lawrence C. Creadon
IHC Construction Companies, LLC
385 Airport Rd., Suite 100
Elgin, IL 60123

RE: Thorium Monitoring – 530-549 N. Rush Street
CDOT Permit: 2179406

Dear Mr. Creadon:

Stan A. Huber Consultants, Inc. (SAHCI) was hired by your firm to provide radiation monitoring during excavation for installation of a communications conduit at 530-549 N. Rush St. in Chicago, Illinois. The monitoring was performed by Aaron Morris, SAHCI Health Physicist, on February 2 and 3, 2026.

Instrumentation

Surface gamma scans were performed using a Ludlum Model 2221 Scaler / Ratemeter (serial no. 132844) with attached Ludlum Model 44-10 2"x2" NaI Detector (w/ 6" collimated lead shield). The instrument was calibrated on May 6, 2025. The US Environmental Protection Agency (USEPA) action level of 7.1 picocuries per gram (pCi/g) total thorium for this instrument is 7,141 counts per minute (cpm).

The average background count rate for this location was 1,679 cpm.

Soil Gamma Scans

Gamma surface scans were performed using the Ludlum Model 2221 Scaler / Ratemeter described above. Survey data was collected by entering the excavation and recording the highest count rate for the floor and walls to a maximum depth of 2 feet below the surface concrete slab. All concrete and soil were loaded directly into a truck for disposal after screening.

The maximum gamma count rates for each 18-inch lift were recorded on the attached Radiation Survey Form. The count rates in the excavations ranged from 1,583 cpm to 3,491 cpm. No count rates were found at any time that exceeded the threshold limit of 7,141 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.

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

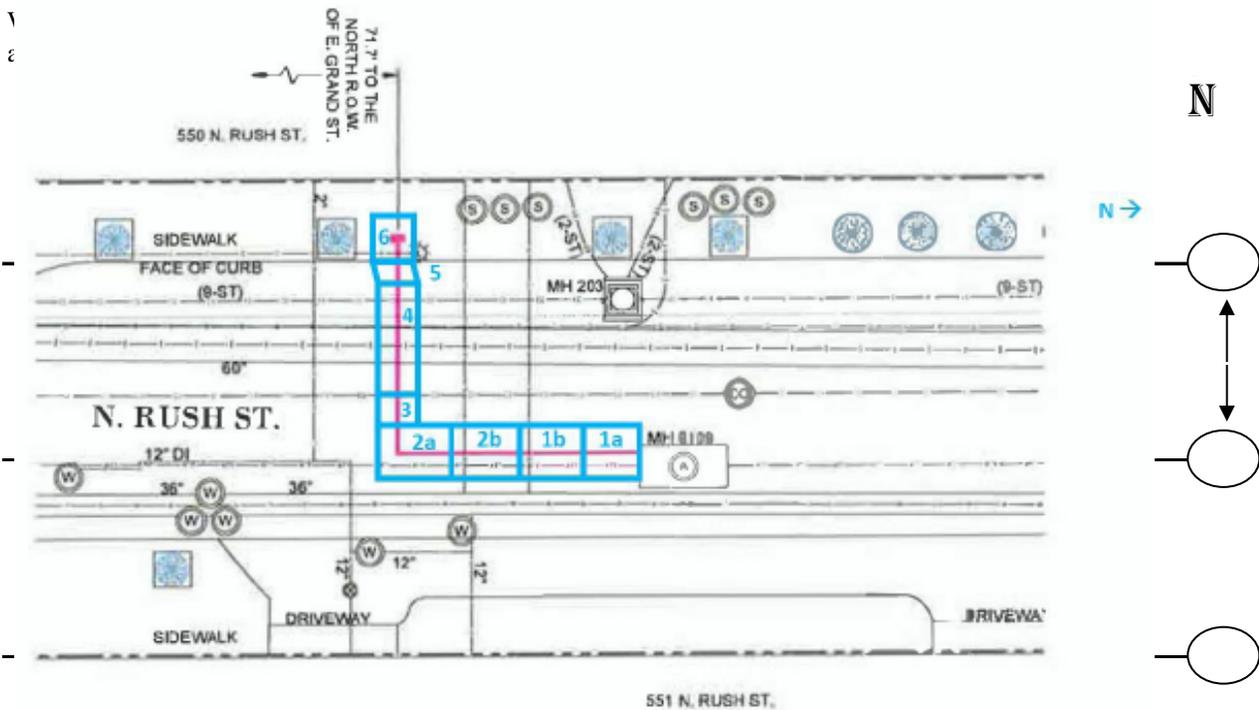
Location/ Project ID: 530-549 N. Rush St. IHC Construction (Crown Castle)

Date: 2/2/26 - 2/3/26 **Technician:** Aaron Morris

Inst Model: Ludlum 2221 **Serial No. :** 132844

Probe Type: 1"x1" NaI / (2"x2" NaI)
Shielded / Not Shielded **Lift Elevation:** Surface to -24"

Background 1,679 cpm **Action Level:** 7,141 cpm



Maximum Readings (gross cpm)

Area (date):	Depth:	Sub-slab	18"	24"
1a (2/2)		3008	2308	2780
1b (2/2)			2774	2302
2b (2/2)		3380	2807	2286
2a (2/2)			2099	2129
3 (2/2)		2086	2304	2086
4 (2/3)		2783	3491	2534
5 (2/3)		1583	2079	2048
6 (2/3)		2086	1954	N/A

Notes: All trenches are 3' wide. Sections 1a, 1b, 2b, and 2a are each ~8' long. Section 3 is ~4' long. Section 4 is 18' long. Section 5 is 4' along the diagonal. Section 6 is 5' long (1 sidewalk slab long). A curb, which was not removed, separates sections 5 and 6.