**Stan A. Huber Consultants, Inc.**
Health Physics and Radiation Safety Services

200 North Cedar Road – New Lenox, Illinois 60451-1751 – (800) 383-0468 or (815) 485-6161 – FAX (815) 485-4433 – Email sahci@sahci.com – Home Page www.sahci.com

September 24, 2025

705362

Arthur Weir
Forge Projects, LLC
1806 W. Cuyler, Suite 2G
Chicago, IL 60613

RE: Thorium Monitoring – 64 -100 E. Ontario St., 631- 635 N. Rush St.
CDOT Permit: 2153519

Dear Mr. Weir:

Stan A. Huber Consultants, Inc (SAHCI) was hired by your firm to provide radiation monitoring during excavation for installation of 81 feet of new duct package at 64 -100 E. Ontario St. in Chicago, Illinois. The monitoring was performed by Bethany Tennyson, SAHCI Health Physicist, on September 15 through 17, 2025.

## Instrumentation

Surface gamma scans were performed using a Ludlum Model 2221 Scaler / Ratemeter (serial no. 134844) 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 ranged from 1,862 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 66 inches below ground surface. Soil excavated below 60 inches deep was screened in the excavator bucket, rather than entering the excavation. 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 excavation ranged from 1,700 cpm to 2,700 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.

Glenn Huber, CHP
President

sahci
Stan A. Huber Consultants, Inc.

CDOT#2153519

# Radiation Survey Form

**Location/ Project ID:** 631 - 635 N. Rush St. - Excavate for installation of approx. 81' of new duct package

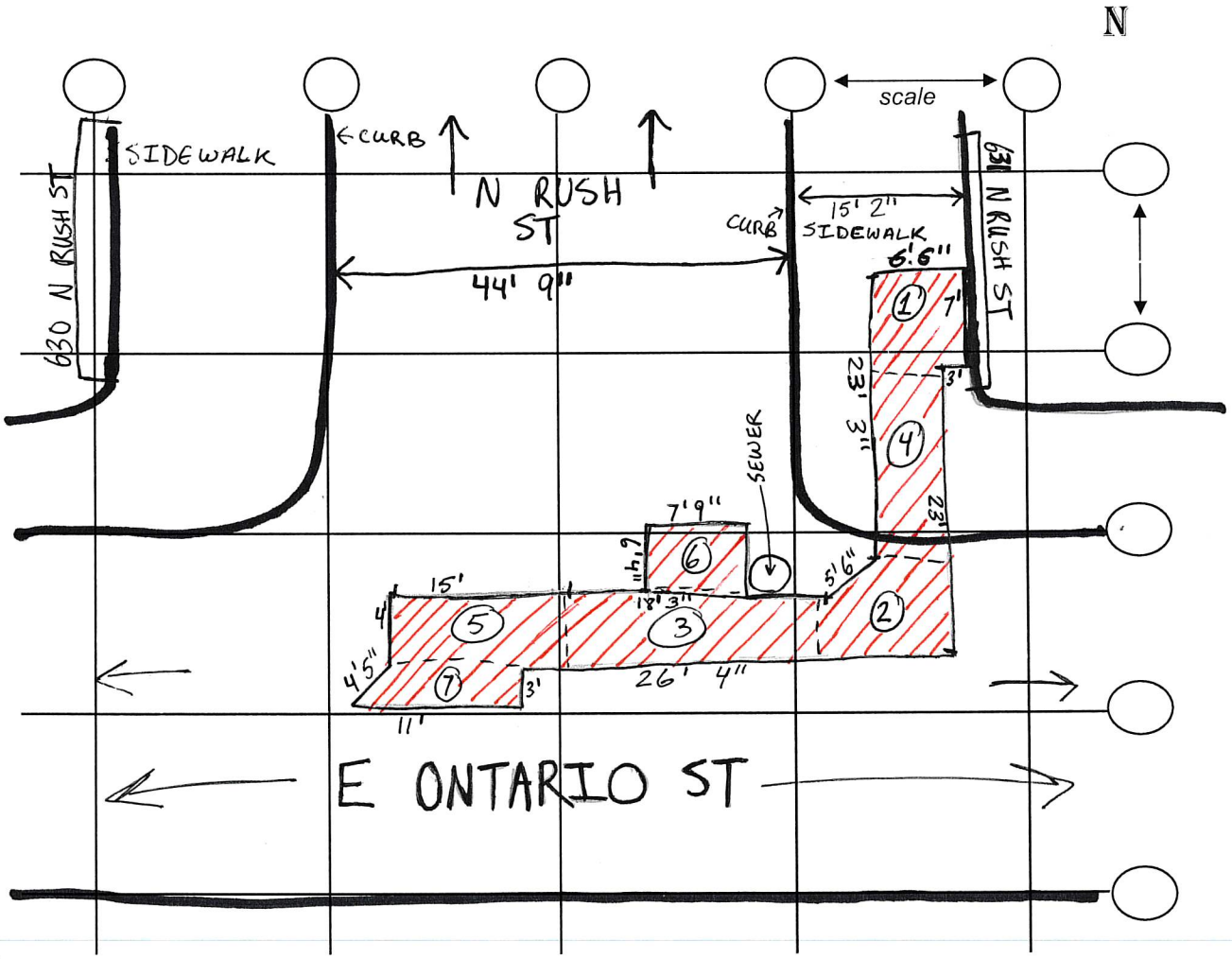
**Date:** September 15-17, 2025 **Technician:** Bethany Tennyson

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

**Probe Type:** 1"x1" NaI / (2"x2" NaI) (Shielded) / Not Shielded **Lift Elevation:** Surface to -5.5'

**Background** 1862 **cpm** **Action Level:** 7141 **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.




= EXCAVATED

| SURFACE (cpm) | | 18" (cpm) | | 36" (cpm) | | 48" (cpm) | 5ft (cpm) | Buckets after 5ft (cpm): |
|---|---|---|---|---|---|---|---|---|
| (1) 2700 | (5) 1900 | (1) 2900 | (5) 2000 | (1) 2400 | (5) 1800 | (1) 2500 | (1) 2500 | (1): 1900 @ 5.5ft (one bucket) |
| (2) 1700 | (6) 1900 | (2) 2400 | (6) 1900 | (2) 2000 | (6) 1700 | (4) 2500 | (4) 2600 | (6): 1900 @ 5.5ft (one bucket) |
| (3) 1800 | (7) 2000 | (3) 2300 | (7) 2000 | (3) 2100 | (7) 2500 | (5) 1800 | (6) 1700 | |
| (4) 2000 | | (4) 2000 | | (4) 2500 | | (6) 1700 | | |
| | | | | | | (7) 2600 | | |