



AECOM  
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980283

February 21, 2023

Mr. Kyle Carlson  
Peoples Gas Light & Coke Co.  
Environmental Services Department  
200 E. Randolph Street, 24<sup>th</sup> Floor  
Chicago, IL 60601

RE: Streeterville Thorium Monitoring Results – Gas Line Replacement  
Permit No.: DOT1785686  
Permit Addresses: 247 E Ontario St.

Dear Mr. Carlson:

Pursuant to conditions specified in the Right-of-Way (ROW) forms (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on February 15, 2023, for an excavation to replace rusted gas lines associated with the building at 247 E Ontario St. (refer to maps included with CDPH forms). The excavation was in the alley on the west side of the building. The excavation was approximately 2 feet by 7 feet to a depth of 36 inches below ground surface (bgs).

The monitoring did not indicate that the fill soils were above the removal action level established by the U.S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA removal action level for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were recorded using a Ludlum Model 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). For the instruments used (Ludlum, NaI probe, and long cord), the gamma count threshold indicative of the 7.1 pCi/g removal action level was approximately 7,652 (S/N: 172039) counts per minute (cpm) shielded.

The excavation of the trench was completed along the western wall of the structure at 247 E Ontario St., directly across from the front doors of the "Aloft Hotel". Field gamma measurements within this opening did not exceed the instrument threshold previously stated. Field gamma measurements ranged from 1,619 cpm to a maximum reading of 2,167 cpm. No exposed soil was present at this site, so the background gamma count was determined by measuring a nearby flowerbed. The background gamma count was 1,926 cpm. Based on field observations, there was no indication of presence of radiologically-contaminated fill and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium.

A PDF copy of this letter will be forwarded via email to the CDPH and Verneta Simon (USEPA) to fulfill the requirements of the CDPH. Copies of the CDPH form, photographs, and the tabulated gamma results are included as attachments to this report.

Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Maggie Nutter, EIT  
Environmental Engineer



Steven C. Kornder, Ph.D.  
Senior Project Geochemist

cc: Ahmad Nur, Chicago Department of Public Health  
Verneta Simon, USEPA

Attachments: CDPH Permit Form and Map  
Tabulated Gamma Results and Photograph

## CDPH PERMIT FORMS



DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

FORM NO. CDPH.ROW.03 (STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. **Please note that for some locations, additional health and safety procedures may be required by law.**

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency **within two (2) weeks of their completion**. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Maria G. Oliver

Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and **attach map**):

247-291 E Ontario St

Nature of Work: Emergency Dangerous Condition-Rusted Vent pipe- TD # 601306035

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St, (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Daniel Bran-Fonseca (773) 587-1145

*Include subcontractor information if applicable*

Safety Officer / Phone No. Kyle Carlson (414) 221-4076

Radiation Contractor / Phone No. (if applicable) Steve Kornder, AECOM, Inc. (262) 515-7700

Check if City Department Work ☐ Department Name: N/A

CDOT Permit No.: DOT1785686

Today's Date: 2/15/2023

Expected Start Date: 2/15/2023

CDPH Approval / Date ahmad nur 02/15/2023

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

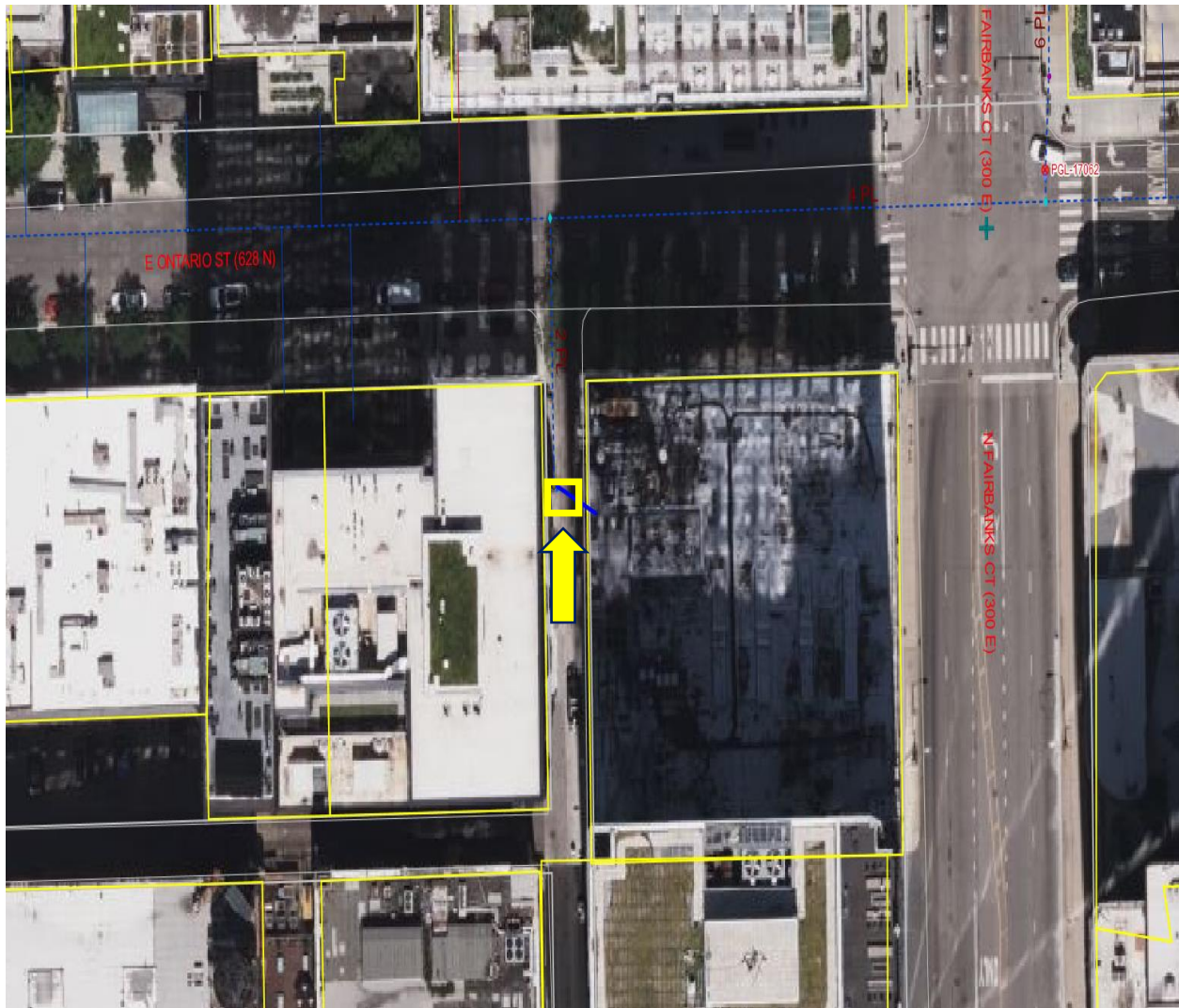
For CDPH Use Only

Emergency work notification provided to CDPH via electronic mail for work within the Lindsay Light Streeterville Thorium Monitoring Area. Radiation specialist onsite. -A.N. 2/15

333 SOUTH STATE STREET, ROOM 200, CHICAGO, ILLINOIS 60604

247-291 E Ontario St      Emergency dangerous condition

TD# 601306035      4x4x3 Alley opening



## PHOTOGRAPHS AND TABULATED GAMMA RESULTS

## Gamma Survey Results People's Gas

### Survey Equipment

CDOT No:	1785686
Ludlum 2221 S/N:	172039
Ludlum Probe S/N	PR174406
Cutoff (cpm)	7,652
Background (cpm)	1,926
Personnel:	M. Nutter
Date of Screening:	2/15/2023

### Survey Results

Location	Excavation	Depth (inches)	Maximum Readings (cpm)
247 E Ontario St.	1 (North)	0-6	Concrete
		6	1820
		18	1619
		30	1923
		36	2167
	2 (South)	0-6	Concrete
		6	1870
		18	2133
		30	2141



**PICTURE 1: VIEW OF THE FIRST SECTION OF THE TRENCH REMOVED ALONG THE WESTERN WALL OF 247 E ONTARIO ST.**



**PICTURE 2: VIEW OF THE COMPLETED TRENCH ALONG THE WESTERN WALL OF 247 E ONTARIO ST.**

