



AECOM  
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959706

August 17, 2020  
Mr. Naren Prasad  
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 – Corrosion Protection  
Permit No.: DOT1264721  
Permit Address: 500-29 N. Rush St., Chicago, IL  
AECOM Project No. 60157647.138S

Dear Mr. Prasad:

Pursuant to conditions specified in the Right of Way (ROW) form (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 July 31, 2020 for a small excavation required to install corrosion protection on public right of way (ROW) near 500 N. Rush St. (refer to map included with CDPH form).

Surveying was performed in a small sidewalk opening on the west side of N. Rush St. The excavation was approximately 20-feet south of E. Grand Ave. Refer to the attached photograph and drawing attached to the CDPH form for the approximate location of the excavation. The excavation was approximately 5-feet by 2-feet and excavated to a depth of 44-inches.

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 instrument used the gamma count threshold indicative of the 7.1 pCi/g removal action level is 6,110 (S/N: 176944) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements within the opening did not exceed the instrument threshold previously stated and ranged from 1,530 cpm to a maximum reading of 1,860 cpm shielded. The background radiation count of nearby soils was measured at 2,167 cpm shielded. Based on field observations there was no indication of the presence of radiologically contaminated fill and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium.

A copy of the CDPH form, photographs and the tabulated gamma results are included as attachments. As part of the permit conditions, a PDF copy of this letter will be forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

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

Regards,



Eric Sulita, P.E.  
Environmental Engineer III



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

cc: Terry Sheahan, Chicago Department of Public Health  
Verneta Simon, USEPA

Attachments: CDPH Permit Form and Map  
Photographs and Gamma Results

**CDPH PERMIT FORM**



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 Oliver Signature: Maria J Oliver

Site Address and Work Location (Describe exact site location and **attach map**): 500-29 N Rush

Nature of Work: Corrosion repair

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

General / Prime Contractor Name, Address, Phone No.: Axl Davis (773) 236-7288

*Include subcontractor information if applicable)*

Safety Officer / Phone No. Danielle Clopton (312) 240-6674

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

Check if City Department Work ☐ Department Name: \_\_\_\_\_

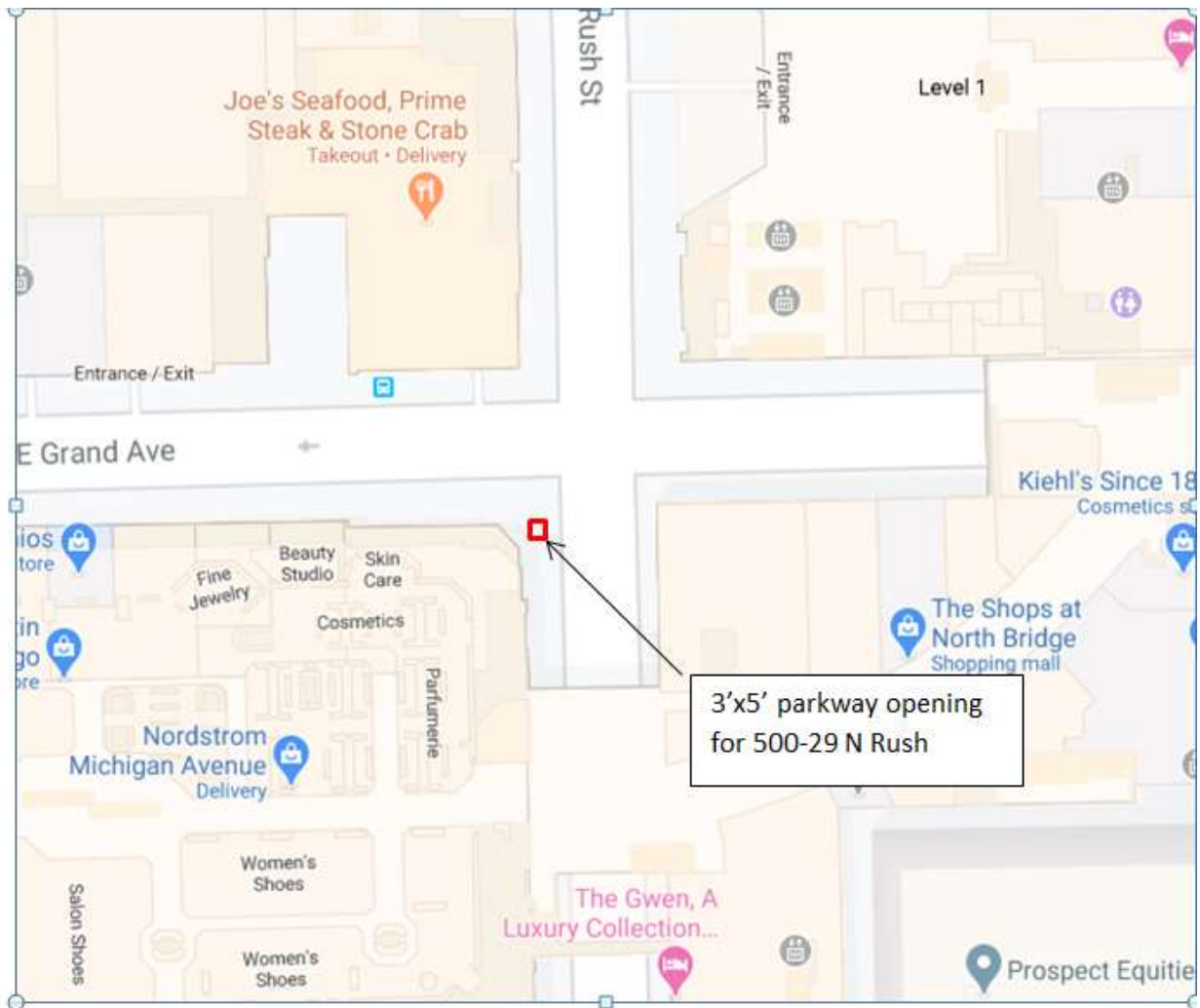
CDOT Permit No.: DOT1264721

Today's Date: 7-16-20 Expected Start Date: 7-29-20 CDPH Approval / Date \_\_\_\_\_

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)

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**For CDPH Use Only**

## 500-29 N Rush      Corrosion repair



## **PHOTOGRAPHS AND GAMMA RESULTS**





PICTURE 1: VIEW OF THE CORROSION PROTECTION EXCAVATION AT 500 N. RUSH ST.

## Gamma Survey Results People's Gas

### Survey Equipment

Location:	500 N. Rush St.
CDOT No.:	1264721
Ludlum 2221 S/N:	176944
Cutoff (short cord):	6,110 cpm
Background (short cord):	2,167 cpm
Personnel:	E. Sulita
Date of Screening:	7/31/2020

### Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
500 N. Rush St.	0-8	concrete
	8	1860
	16	1670
	24	1620
	36	1530
	44	1550