



AECOM
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July 21, 2020

Mr. Naren Prasad
Peoples Gas Light & Coke Co.
Environmental Services Department
200 E. Randolph Street, 24th Floor
Chicago, IL 60601

RE: Streeterville Thorium Monitoring Results – Corrosion Protection
Permit No.: DOT1261661
Permit Address: 509 E Illinois St. Chicago, Illinois
AECOM Project No. 60157647.137S

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 20, 2020 for a small keyhole excavation required to install corrosion protection in the ROW of E. Illinois St. in front of the building at 474 N. Lake Shore Dr. (refer to the attached photograph).

Surveying was performed for a keyhole opening located in the street ROW at 507-09 E. Illinois St. Refer to the attached photograph and the drawing attached to the CDPH form for the approximate location of the excavation. The opening was located approximately 10-feet east of the sidewalk planter shown in the photograph and 7-feet north of the southern curb on E. Illinois St. The excavation was approximately 1.5-feet in diameter and excavated to a depth of 73-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 Ludlum Models 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 6,016 (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 1,495 cpm to a maximum reading of 2,250 cpm shielded. The fill was predominantly clean tan backfill sand. The field instrument fill soil background measured in the nearby planter was 2,206 cpm. 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, photograph 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 Vernetta Simon (USEPA) to fulfill the requirements of the CDPH.

Permit No.: DOT1261661
Permit Address: 507-09 E. Illinois St., Chicago, IL
Page 2

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

Regards,



Jennifer Nagle
Environmental Scientist



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
Photograph 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): 507-09 E Illinois St

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) 395-7494

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.: DOT1261661

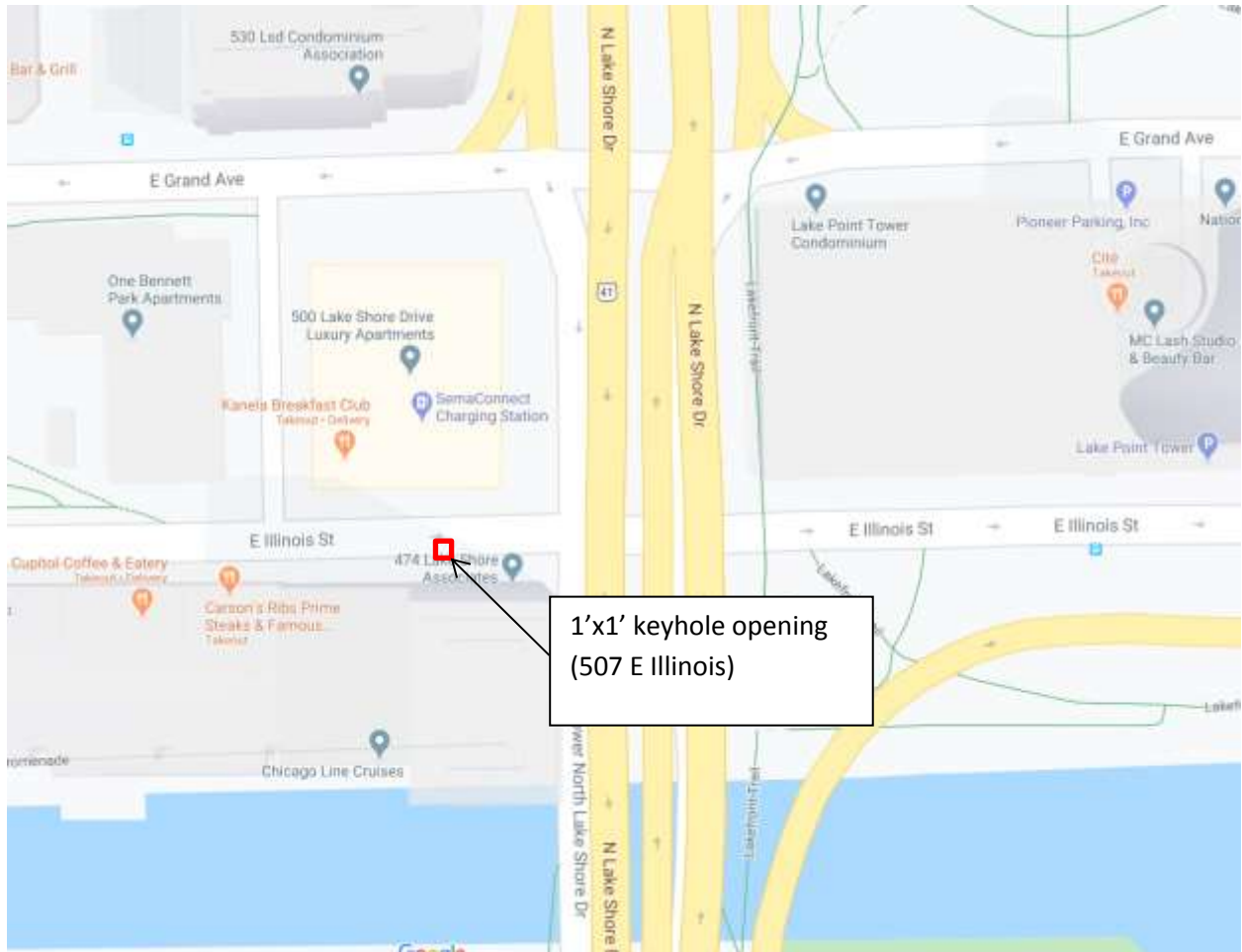
Today's Date: 7/9/2020 Expected Start Date: 7/13/2020 CDPH Approval / Date _____

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)

For CDPH Use Only

507-09 E Illinois

Corrosion repair



PHOTOGRAPH AND GAMMA RESULTS



Photograph looking south across E. Illinois St. at the keyhole opening location.

Gamma Survey Results People's Gas

Survey Equipment

Location:	507-09 E. Illinois St.
CDPH:	CDOT1261661
Ludlum 2221 S/N:	176944
Cutoff:	6,016 cpm
Background:	2,206 cpm
Personnel:	S. Kornder
Date of Screening:	7/20/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
Keyhole	0-12	Pavement and Concrete
	12-30	2,015
	30-48	1,947
	48-66	1,495
	66-84	2,250