



AECOM  
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Chicago, Illinois 60606

312-939-1000 tel  
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April 30, 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.: CDOT1232980  
Permit Address: 509 E Illinois St. Chicago, Illinois  
AECOM Project No. 60157647.134S

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 April 30, 2020 for a small excavation required to cut-off an inactive gas service located in the ROW of E. Illinois St. in front of the building at 474 N. Lake Shore Dr. (refer to map included with ROW form).

Surveying was performed within three keyhole openings located in the ROW of E. Illinois St. Refer to the attached photographs and the drawing attached to the CDPH form for the approximate location of the excavations. Each of the three excavations was approximately 1.5-feet in diameter and excavated to a depth of 50-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 6,818 (S/N: 326726) 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 1,600 cpm to a maximum reading of 3,600 cpm shielded. The field instrument fill soil background measured nearby was 2,200 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, 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.

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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

(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.

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).

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.

Applicant Name (print): Maria Oliver Signature: Maria J Oliver

Site Address and Work Location (Describe exact site location and attach map): 509 E Illinois St

Nature of Work: Cut-off Inactive service

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

General / Prime Contractor Name, Address, Phone No.: Anthony Sarwas, NPL (815) 570-1639

Include subcontractor information if applicable

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

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder, AECOM INC. (262) 515-7700

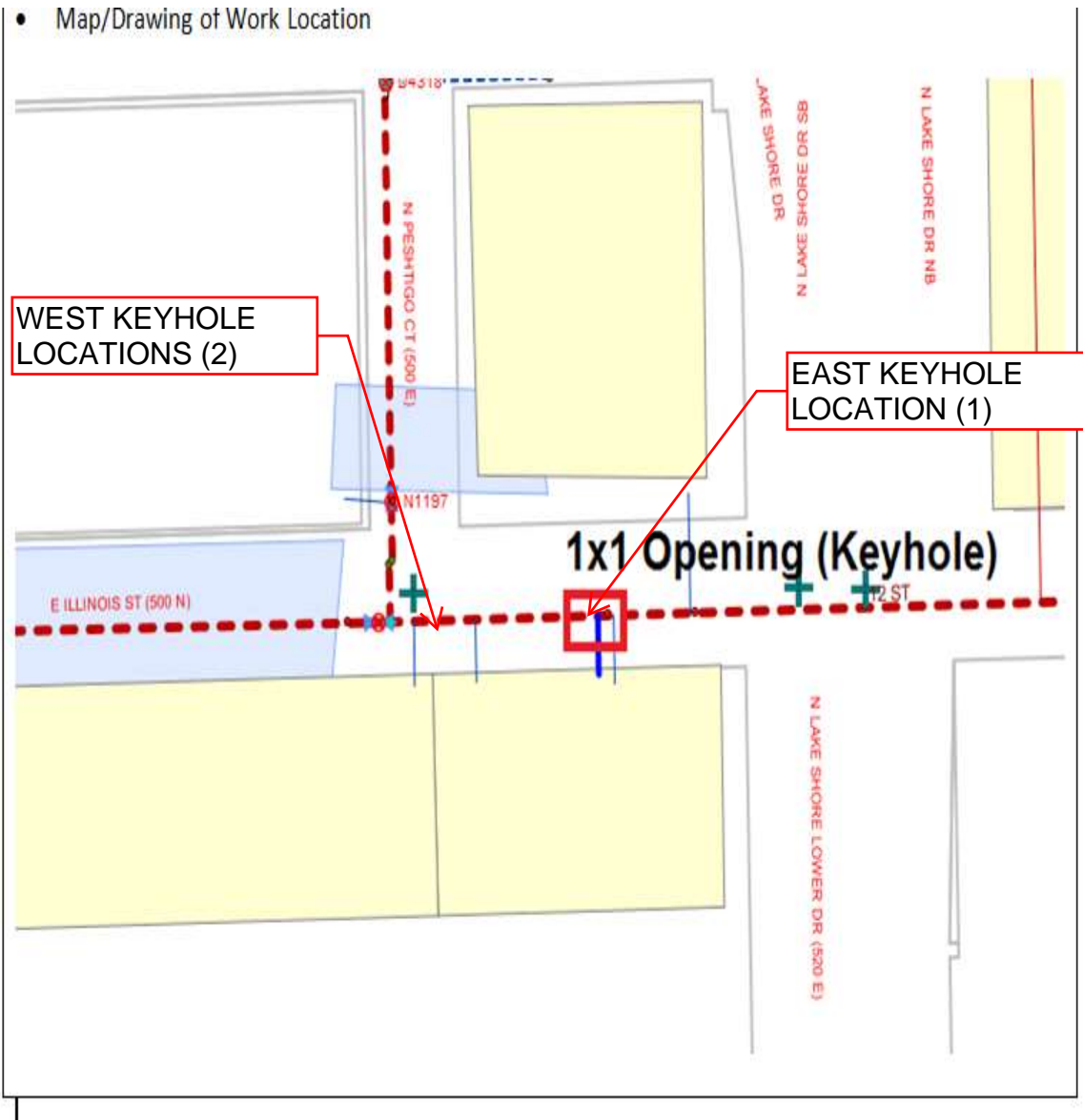
Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1232980

Today's Date: 4/16/20 Expected Start Date: 4/21/20 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)

For CDPH Use Only



## PHOTOGRAPHS AND GAMMA RESULTS





**PICTURE 1: VIEW OF THE EAST KEYHOLE OPENING, 1 OF 3, EXCAVATED TO CUT-OFF INACTIVE SERVICE ON AN EXISTING GAS MAIN**



**PICTURE 2: VIEW OF THE WEST KEYHOLE OPENINGS NEAR INTERSECTION OF PESHTIGO CT. THE THIRD KEYHOLE OPENING IS LOCATED APPROXIMATELY EIGHT FEET WEST (RIGHT IN THE PICTURE) OF THE KEYHOLE SHOWN ABOVE.**



## Gamma Survey Results People's Gas

### Survey Equipment

Location:	509 E. Illinois St.
CDPH:	CDOT1232980
Ludlum 2221 S/N:	326726
Cutoff:	6,818 cpm
Background:	2,200 cpm
Personnel:	E. Sulita
Date of Screening:	4/30/2020

### Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
East Keyhole	0-18	Pavement and Concrete
	18	2,000
	30	2,580
	40	3,600
	50	2,900
West Keyhole 1	0-18	Pavement and Concrete
	18	1,900
	30	1,600
	40	2,000
	50	2,700
West Keyhole 2	0-18	Pavement and Concrete
	18	1,900
	30	1,800
	40	2,600
	50	2,400