



AECOM
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Chicago, Illinois 60606

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959062

June 5, 2017

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

RE: Radiological Survey of a Utility Service Replacement
Permit No.: 600261333 & 600261331
Permit Address: 632-653 E. Illinois St., Chicago, Illinois
AECOM Project No. 60157647.87

Dear Mr. Jouras:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on May 15, 2017 for excavation related to service line corrosion remediation.

Surveying was performed within the excavations and on the spoil removed at 632-653 E. Illinois St. (refer to sketch). The excavation was composed of two adjacent trenches southwest of the intersection of N. Streeter Dr. (Headhouse Road) and E. Grand Ave. Both trenches were 4-feet wide by 4-feet long, and excavated to approximately 3.5-feet 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 Ludlum Models 2221 survey meter and an unshielded 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 17,270 (S/N: 176944) counts per minute (cpm) unshielded.

The field gamma measurements within the excavations and of the spoil during the excavation process did not exceed the instrument threshold previously stated and predominantly ranged from a minimum of 5,800 cpm to a maximum of 10,100 cpm unshielded. 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 permit and a field sketch documenting the area where work was performed, have been included as attachments.

As part of the permit conditions, this letter has been forwarded to:

Chicago Department of Public Health
Attention: Mr. Terry Sheahan
333 South State Street, Room 200
Chicago, Illinois 60604

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

Regards,



Andrew Kozak
Geologist



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

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

Attachments: Permit
Sketch

PERMIT



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE - Private Property)

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. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, 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. Further, I will ensure that all work at the subject site, 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 CDPH and the United States Environmental Protection Agency (USEPA) 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): ANUM BARTOLOTTA Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): Lawn, One 5x3 opening
632-653 E Illinois St

Nature of Work: CORROSION Remediation

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph 773 230 6702

General / Prime Contractor Name, Address, Phone No.: Meade Electric, 977 W Cermak, 312 617 6773
Include subcontractor information if applicable

Safety Officer / Phone No. _____

Radiation Contractor / Phone No. and email address (if applicable) Steve Korndor 262 515 7700 Steve.Korndor
@aecom.com

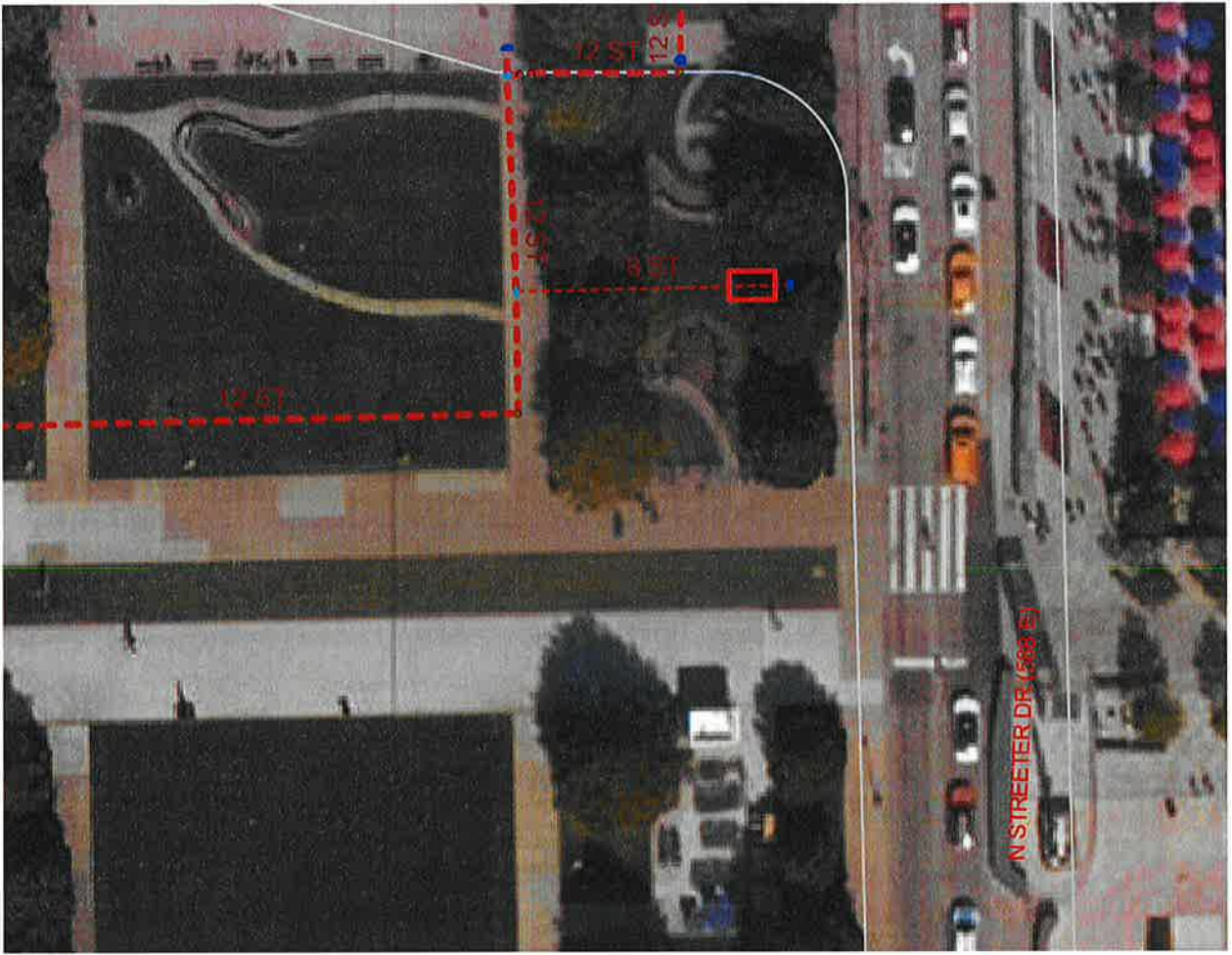
Check if City Department Work Department Name: _____

CDOT Permit No. or Developer Services No.: Private property Dig# 600261333, Dig # 600261331

Today's Date: 5/4/17 Expected Start Date: 5/15/17 CDPH Approval / Date: [Signature] 5-4-17

Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



SKETCH

Survey Equipment

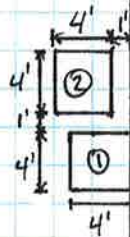
Ludlum 2221 S/N: 176944
 Probe 2x2 NaI S/N: RN21107
 unshielded: 17,270 cpm
 shielded: 6,175 cpm
 background: 6,600-7,900 cpm
 personnel: A. Kozak, E. Foley

Polk Brothers Fountain

sidewalk →

Lawn Area

Landscaped Area



↑
sidewalk
↓



90 ft. (not to scale)
 N. Stryker Dr.
 (Hearthouse Rd.)

<u>Section</u>	<u>Depth</u>	<u>CPM</u>	<u>Section</u>	<u>Depth</u>	<u>CPM</u>
①	0" (grass)	6,300-9,100	2	0"-24" (soil)	8,800-10,100
	12"	6,600-8,100		36"	8,800-9,100
	24"	7,100-7,400			
	36"	5,100-7,800			