



AECOM
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958160

May 26, 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.: Dig #600824745 (Private Property)
Permit Address: 435 N. Michigan Ave., Chicago, Illinois
AECOM Project No. 60157647.135S

Dear Mr. Prasad:

Pursuant to conditions specified in the Private Property 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 May 22, 2020 for a small excavation required to install corrosion protection on private property at 435 N. Michigan Ave. (refer to map included with CDPH form).

Surveying was performed in a small opening approximately 15-feet south of the lower level south building wall of 435 N. Michigan. The excavation was approximately 60-feet north of Lower North Water St. Refer to the attached photograph and drawing attached to the CDPH form for the approximate location of the excavation. The excavation was approximately 2-feet by 4-feet and excavated to a depth of 36-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 was 4,444 (S/N: 326726) counts per minute (cpm) shielded utilizing a long cord.

Field gamma measurements within the opening did not exceed the instrument threshold previously stated and ranged from 1,000 cpm to a maximum reading of 1,100 cpm shielded with a long cord. No exposed soil was present, so the field instrument background was taken in an asphalt paved area near the excavation. The field instrument background measured 880 cpm with the long cord and 1,350 cpm with a short cord. 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 Vernetta 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
Photograph and Gamma Results

CDPH PERMIT FORM



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.

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. 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...

Applicant Name (print): Axl Davis Signature: Axl Davis

Site Address and Work Location (Describe exact site location and attach map): 435 N Michigan Ave - 3'x5' opening at south wall of building at 105' EE LL of Michigan Ave

Nature of Work: Corrosion Protection

Company Name, Address, Phone No.: Peoples Gas, 1241 W Division St, Chicago, 773-395-7494

General / Prime Contractor Name, Address, Phone No.: Meade, 625 Willowbrook Center Pkwy, Willowbrook, 708-259-1069 Include subcontractor information if applicable

Safety Officer / Phone No.

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

Check if City Department Work [] Department Name:

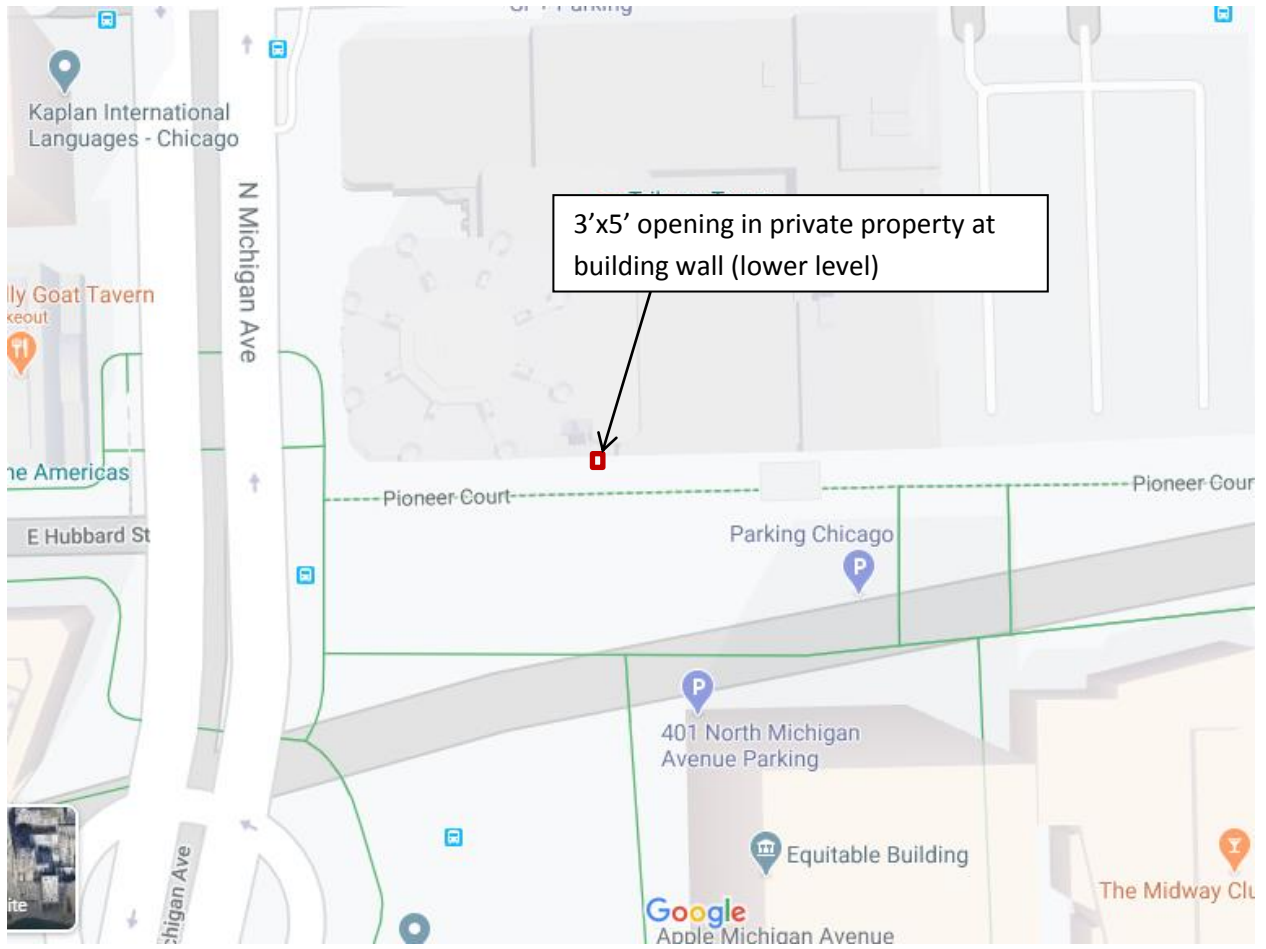
CDOT Permit No. or Developer Services No.: Dig # 600824745

Today's Date: 5/8/2020 Expected Start Date: 5/14/2020 CDPH Approval / Date

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

435 N Michigan Ave Site Map



PHOTOGRAPH AND GAMMA RESULTS



PICTURE 1: VIEW OF THE CORROSION PROTECTION EXCAVATION IN THE LOWER LEVEL OF 435 N. MICHIGAN.

**Gamma Survey Results
People's Gas**

Survey Equipment

Location:	435 N. Michigan Ave.
CDPH:	600824745
Ludlum 2221 S/N:	326726
Cutoff (long cord):	4,444 cpm
Background (long cord):	880 cpm
Personnel:	E. Sulita
Date of Screening:	5/22/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
435 N. Michigan (lower level)	0-4	pavement
	4-12	1,150
	24	1,100
	36	1,000