



AECOM
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Chicago, Illinois 60606

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February 7, 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.: Digger #600780766
Permit Address: 500-528 N. Streeter Dr., Chicago, Illinois
AECOM Project No. 60157647.129

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 February 5, 2020 for a small trench excavation required for the installation of corrosion protection on a gas main located in an unpaved area within Polk Brothers Park just west of Navy Pier.

Surveying was performed within the excavation in the grass area of the park just west of N. Streeter Dr. (also known as Headhouse Road). Refer to the drawing attached to the CDPH form for the approximate location of the excavation. The excavation was conducted to install corrosion protection on an existing gas main. The work consisted of a single excavation approximately 3-feet wide, 5-feet long, 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 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 6,016 (S/N: 126944) counts per minute (cpm) shielded.

The field gamma measurements within the trench during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 1,900 cpm to a maximum of 3,800 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 and annotated drawing with the gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter is being 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,



Andrew Kozak
Geologist



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

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

Attachments: CDPH Permit Form
Annotated Drawing 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. 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): Axl Davis Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 3' x 5' opening in park in front of Navy Pier in private property 145' W Navy Pier Wall (500-528) Sector Dr

Nature of Work: Corrosion Protection

Company Name, Address, Phone No.: Peoples Gas 773-395-7474 1241 W Dawson St

General / Prime Contractor Name, Address, Phone No.: Meade, 625 Willow Brook Center Pkwy, 708-257-1069
Include subcontractor information if applicable)

Safety Officer / Phone No. _____

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

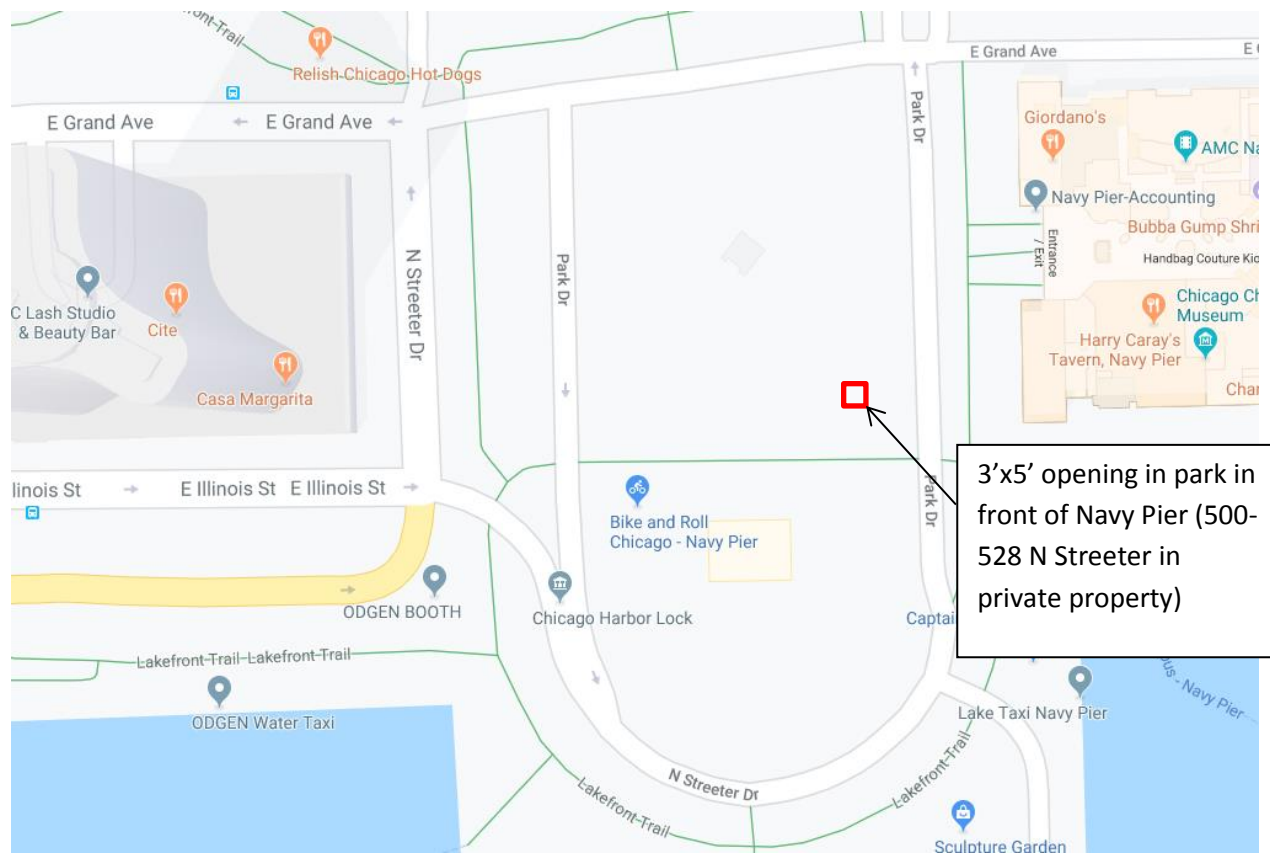
Check if City Department Work Department Name: _____

CDOT Permit No, or Developer Services No.: Dig # 600780766

Today's Date: 1-27-20 Expected Start Date: 2-3-20 CDPH Approval / Date: [Signature] 1/27/20

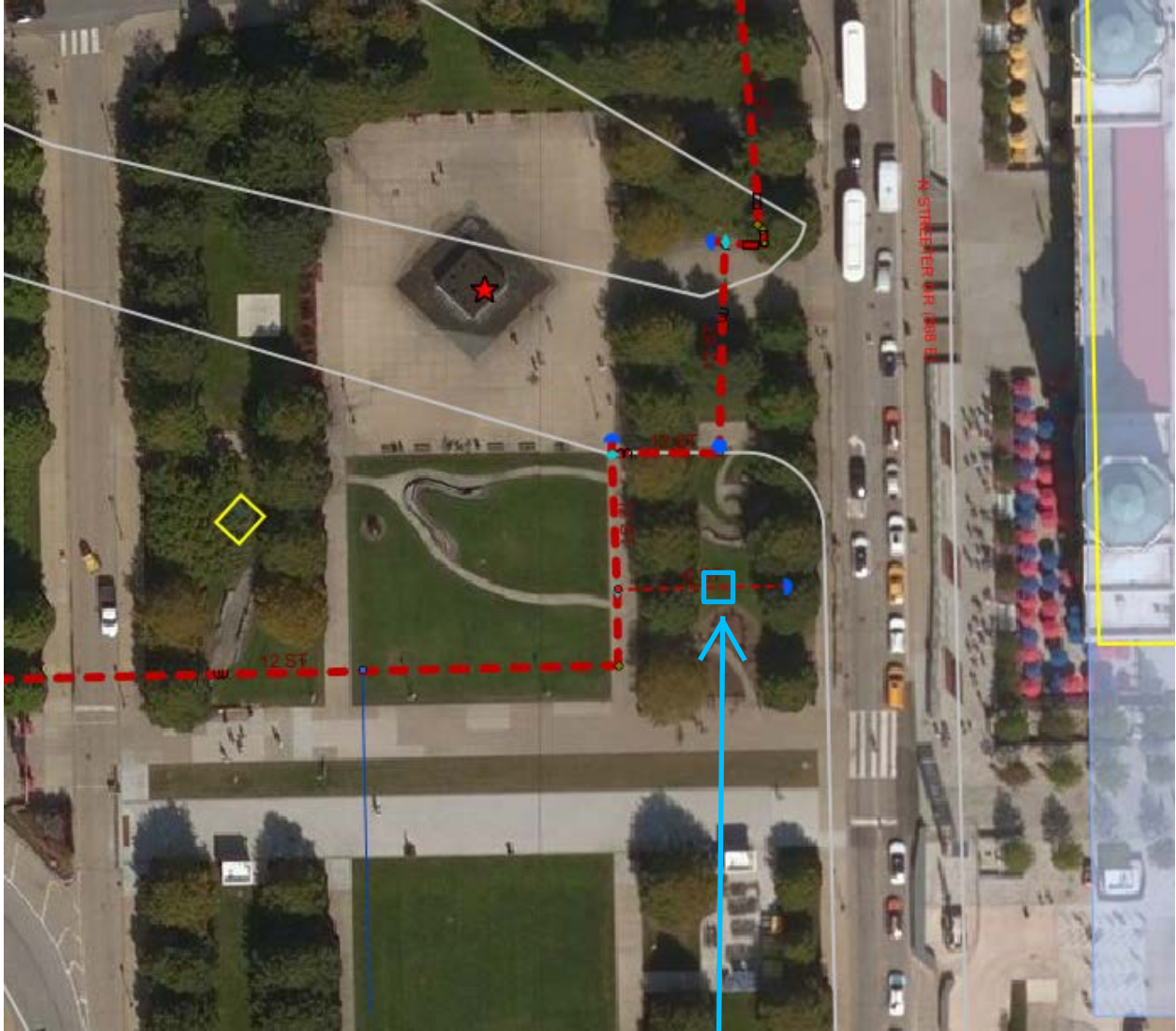
Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



3'x5' opening in park in front of Navy Pier (500-528 N Streeter in private property)

ANNOTATED DRAWING AND GAMMA RESULTS



Work area - 500-528 N Streeter Dr.
- Digger #60078076

<u>Depth (Inches)</u>	<u>Gamma Count (cpm)</u>
0	1,900-2,300
18	2,100-2,700
36	2,100-3,800

Shielded Instrument cutoff - 6,016 cpm