



AECOM
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960691

September 10, 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 Nos.: DOT1274786 and DOT1270598
Permit Address: 310-336 N. MacChesney Ct., Chicago, IL
AECOM Project No. 60157647.140

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 August 26, 2020 for two small excavations required to install corrosion protection on public right of way near N. MacChesney Ct. in Chicago, IL (refer to map included with CDPH form). A separate ROW form was completed for DOT1270598 which was also on N. MacChesney Ct., but it was determined that the work did not need to be completed. A copy of that ROW form is also included.

Surveying was performed in the small openings in the MacChesney Ct. alley. The first excavation was approximately 125-feet north of Wacker Pl. and 15-feet west of the building within the alley. The second excavation was approximately 100-feet north of the first excavation, approximately 3-feet east of the building within the alley. Refer to the attached photographs and drawings attached to the CDPH form for the approximate location of the excavations. The first excavation was 18-inches in diameter and excavated to a depth of 51-inches. The second excavation was 18-inches in diameter and excavated to a depth of 28-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 is 6,110 (S/N: 176944) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements within the openings did not exceed the instrument threshold previously stated and ranged from 1,760 cpm to a maximum reading of 2,900 cpm shielded. The background radiation level of nearby soils was measured at 1,900 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, 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.

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

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): 310-36 N MacChesney Ct

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) 236-7288

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.: DOT1274786

Today's Date: 8/6/20 Expected Start Date: 8/17/20 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

310-336 N Mac Chesney Ct





DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

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Please complete the following:

Determined work did not need to
be performed - refer to text

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): 315 N Mac Chesney Ct

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) 236-7288

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.: DOT1270598

Today's Date: 7/24/2020

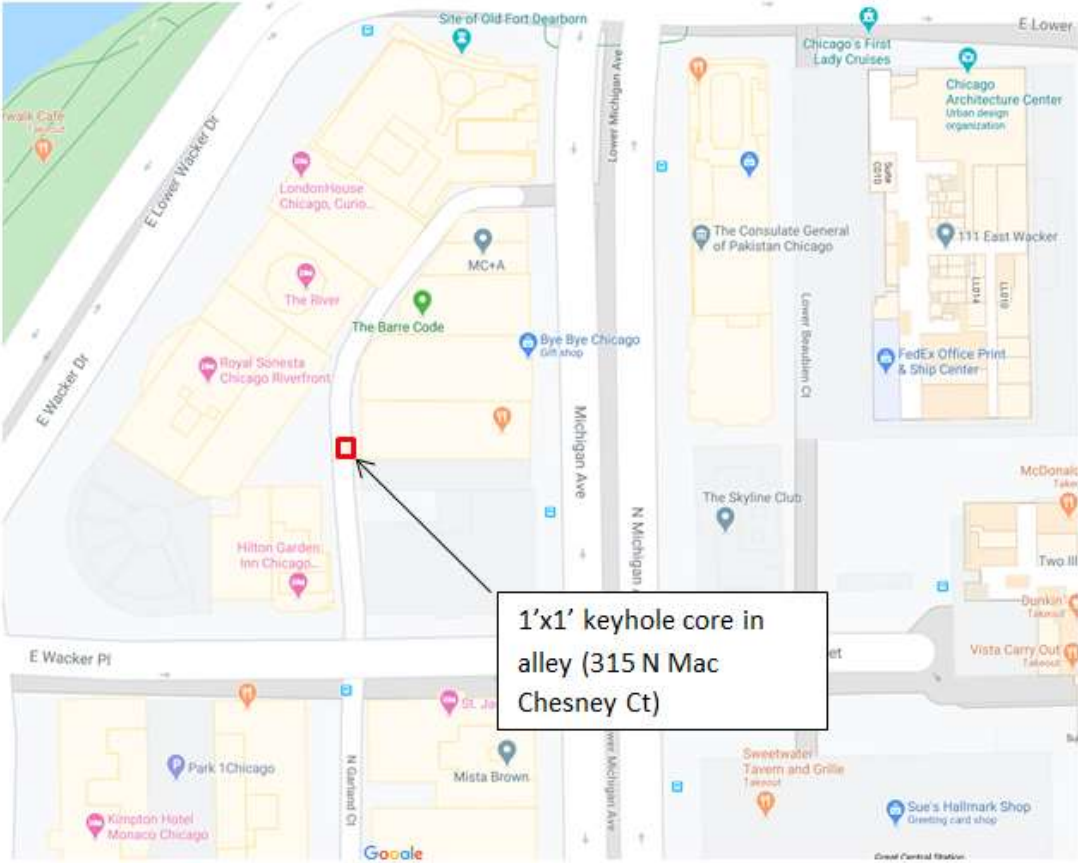
Expected Start Date: 8/3/2020

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

315 N Mac Chesney Ct



PHOTOGRAPHS AND GAMMA RESULTS

PICTURE 1: VIEW OF THE CORROSION PROTECTION EXCAVATION AT 310 N MAC CHESNEY CT., LOOKING SOUTH TOWARDS E. WACKER PL.



PICTURE 2: VIEW OF THE CORROSION PROTECTION EXCAVATION AT 336 N MAC CHESNEY CT., LOOKING SOUTHEAST TOWARDS E. WACKER PL.



**Gamma Survey Results
People's Gas**

Survey Equipment

Location:	310-336 N. Mac Chesney Ct.
CDPH:	DOT1274786
Ludlum 2221 S/N:	176944
Cutoff (short cord):	6,110 cpm
Background (short cord):	Not available
Personnel:	E. Sulita
Date of Screening:	8/26/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
310 N. Mac Chesney Ct.	0-12	concrete
	12	2420
	34	2040
	51	2900
336 N. Mac Chesney Ct.	0-12	concrete
	24	2060
	28	1760