



AECOM
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955725

April 28, 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.: CDOT1230971
Permit Address: 330-342 N. MacChesney Ct., Chicago, Illinois
AECOM Project No. 60157647.133

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 23, 2020 for a small excavation required for the installation of corrosion protection on a gas line located in a paved alley west of Lower Michigan Ave. (refer to map included with ROW form)

Surveying was performed within the keyhole opening located in the alley known as N. MacChesney Ct. Refer to the pictures attached to the CDPH form for the approximate location of the excavation. The work consisted of a single excavation approximately 1.5-feet in diameter 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 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 6,288 (S/N: 172039) counts per minute (cpm) shielded utilizing a long cord.

Field gamma measurements within the opening did not exceed the instrument threshold previously stated with a maximum reading of 1,779 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 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,



Jennifer Nagle
Environmental Scientist



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): 330-342 N MacChesney Ct

Nature of Work: Corrosion Remediation

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. and email address (if applicable) Steve Kornder, AECOM, Inc. (262) 515-7700

Check if City Department Work [] Department Name:

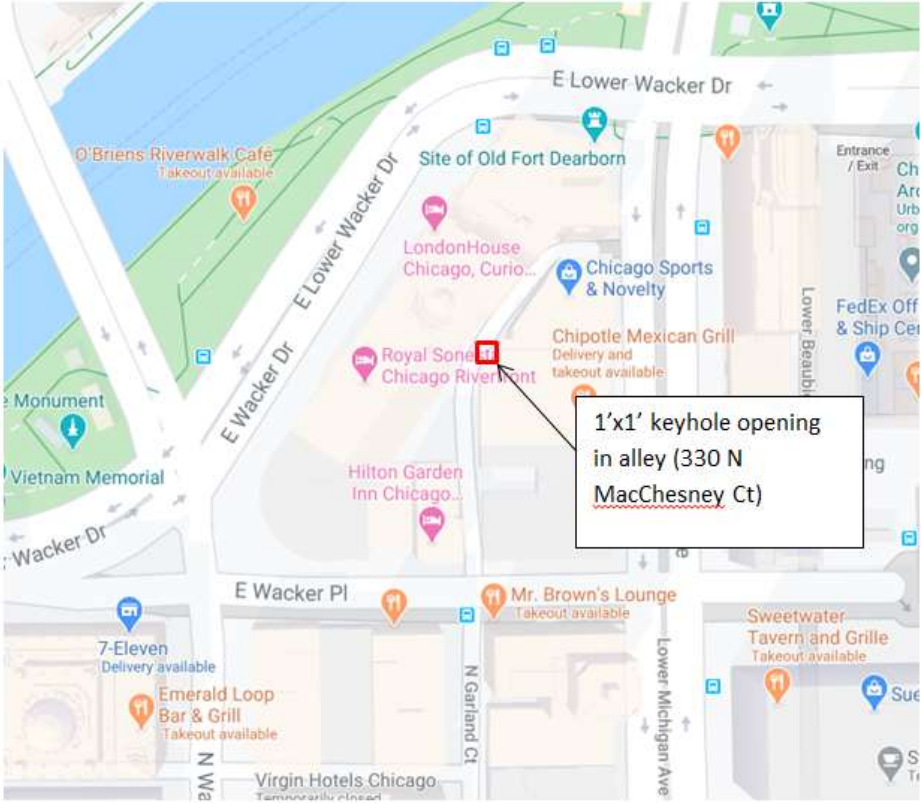
CDOT Permit No.: DOT1230971

Today's Date: 4/15/20 Expected Start Date: 4/17/20 CDPH Approval / Date

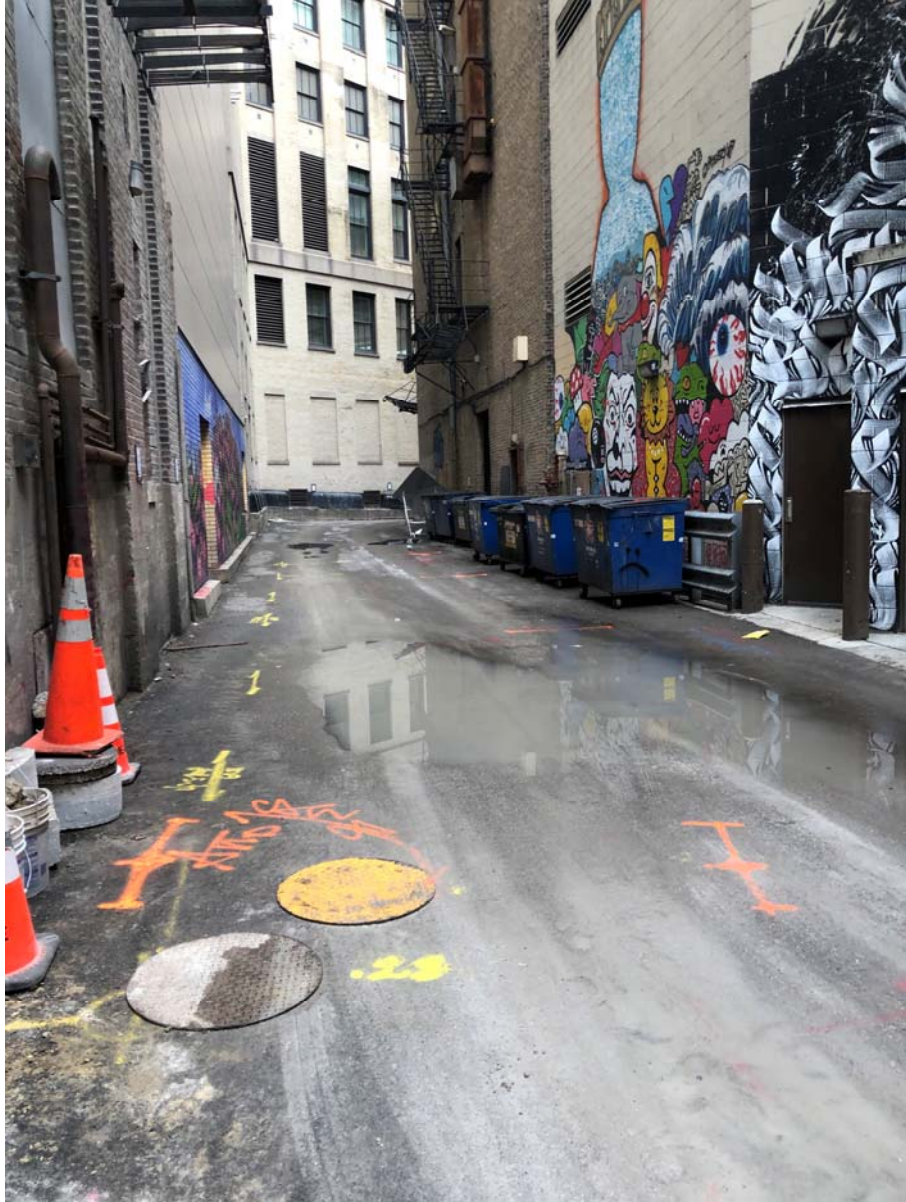
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

330-42 N MacChesney Ct DOT1230971



PHOTOGRAPHS AND GAMMA RESULTS



PICTURE 1: VIEW OF THE COVERED KEYHOLE OPENING EXCAVATED FOR CORROSION PROTECTION ON EXISTING GAS MAIN



Photograph 2: View of Meade installing corrosion protection in alley

**Gamma Survey Results
People's Gas**

Survey Equipment

Location:	330-342 N. Macchesney Ct.
CDPH:	CDOT1230971
Ludlum 2221 S/N:	172039
Cutoff:	6,288 cpm
Background:	1,359 cpm
Personnel:	J. Nagle
Date of Screening:	4/23/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
Refer to photos	0-6	Pavement
	6-36	1,780