



AECOM
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Chicago, Illinois 60606

312-939-1000 tel
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February 4, 2019

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

RE: Service Cut-off – 301-330 N. Mac Chesney Ct.
Permit No.: DOT1047946
Permit Address: 301-330 N. Mac Chesney Ct., Chicago, Illinois
AECOM Project No. 60157647

Dear Mr. Prasad:

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 January 11, 2019 for an excavation for a service cut-off.

Surveying was performed on the soil removed at 301-330 N. Mac Chesney Ct. (see sketch) required to address the cut-off. The work consisted of a single 5.5 by 6-foot excavation. The excavation depth was approximately 40 inches below ground surface (bgs). Refer to the attached sketch for the location of the excavation.

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 6,182 (S/N: 176944) counts per minute (cpm) shielded.

The field gamma measurements within the excavation during the excavation process did not exceed the stated instrument threshold and ranged from a minimum of 1,900 cpm to a maximum of 3,800 cpm shielded. The general subsurface stratigraphy was composed of urban fill and sand, with the fine tan sand backfill commonly associated with gas line service installations. Based on field measurements 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 Chicago Department of Public Health (CDPH) permit form and a field sketch documenting the results and area where work was performed have been included as attachments.

As part of the permit conditions, a PDF copy of this letter has been forwarded via email to:

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

Permit No.: DOT1047946
Permit Address: 301-330 N. Mac Chesney Ct.
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Kyle Korczak
Geologist



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

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

Attachments: Permit
Sketch and Results

PERMIT



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 G Oliver Signature: Maria G Oliver
Site Address and Work Location (Describe exact site location and attach map): 301-330 N Mac Chesney Ct

Nature of Work: Wrecking Cut-off

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph, Chicago, IL (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Antwan Mahomes (312) 513-1619
Include subcontractor information if applicable)
Safety Officer / Phone No. Gyldnis King (312) 240-4464

Radiation Contractor / Phone No. (if applicable) Steve Kornder, AECOM, Inc. (262) 515-7700

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT1047946

Today's Date: 1/7/2019 Expected Start Date: 1/14/2019 CDPH Approval / Date J Sheahan 1/8/19

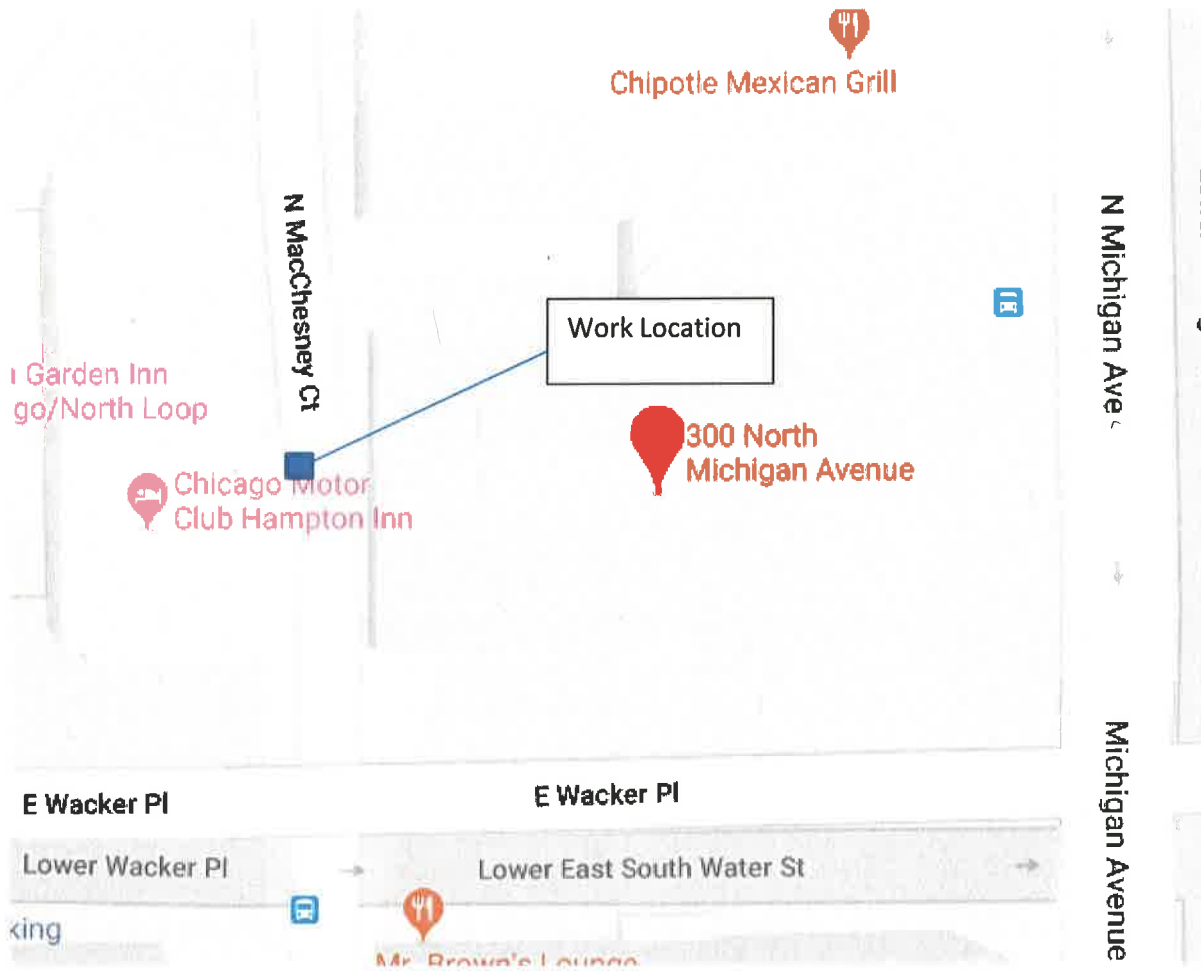
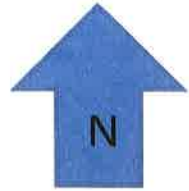
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

301-30 N Mac Chesney Ct

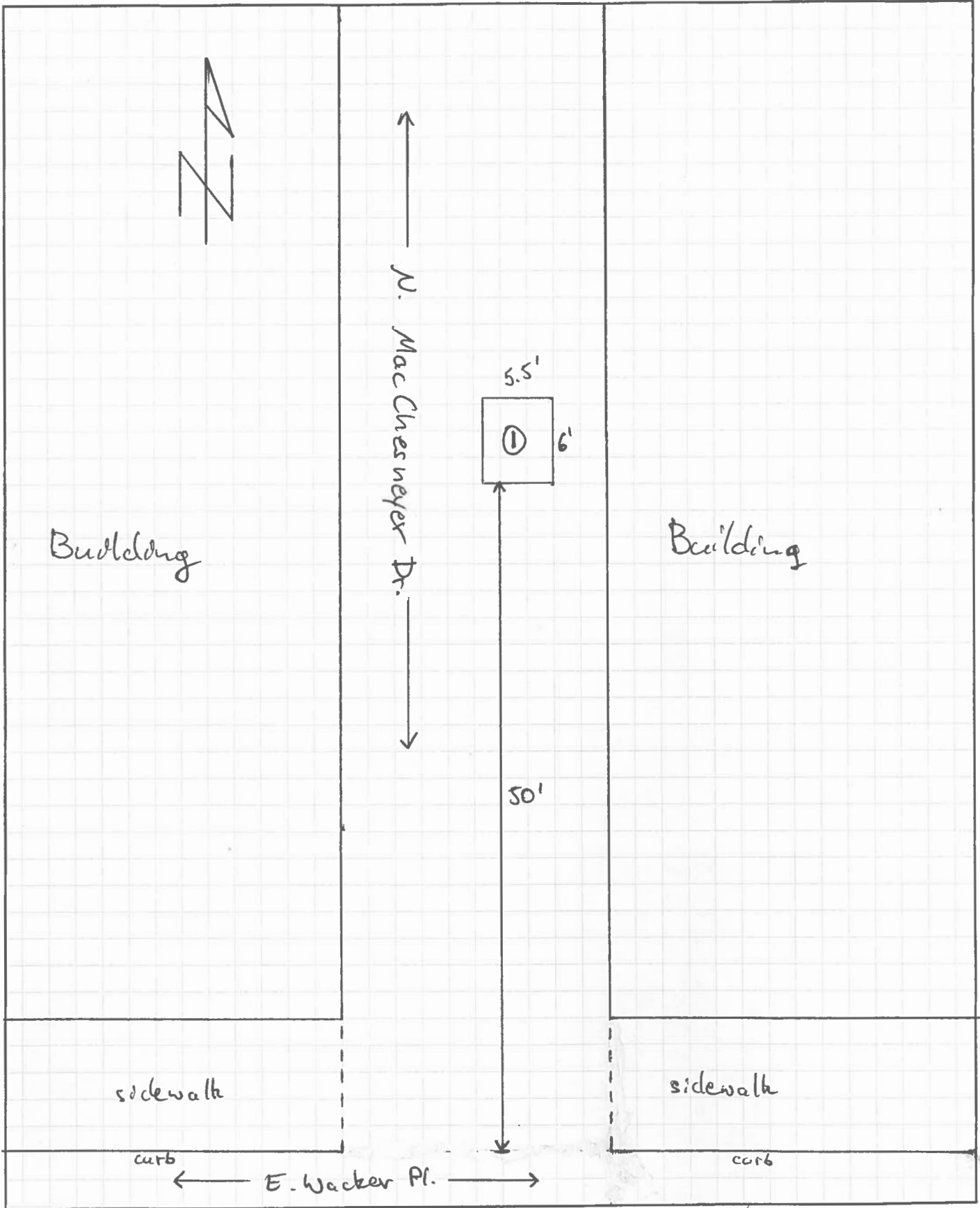
WR# 2838144

1 Opening: Alley



SKETCH

JOB TITLE People's Gas - 301-330 N. MacChesney Ct.
JOB NO. 60157647.119 CALCULATION NO. _____
ORIGINATOR A. Kozak DATE 1/10/19
REVIEWER S. Koruder DATE 1/15/19
SCALE 1" = 10' SHEET NO. 1 OF 1



Gamma Survey Results
301-330 N. MacChesney Ct.
People's Gas
DOT1047946

Survey Equipment

Ludlum 2221 S/N:	176944
Probe 2x2 NaI S/N:	RN21187
shielded cutoff (long cable):	6,128 cpm
background:	N\A
Personnel:	K. Korczak
Date of Screening:	1/11/2019
Permit #:	DOT1047946

Survey Results

Location	Depth (inches)	Readings (CPM)
1	0	concrete
	8	2,400 - 3,800
	26	1,900 - 3,200
	40	2,200 - 2,800