



AECOM
303 E. Wacker Drive, Suite 1400
Chicago, Illinois 60601

312-373-7700 tel

November 19, 2018

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

RE: Pressure Recording Instrumentation
Permit No.: DOT983565
Permit Address: 420-50 E. Ohio St., Chicago, Illinois
AECOM Project No. 60157647.115

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 project site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on November 15, 2018 during excavations to install anodes for service line corrosion protection.

Surveying was performed on the fill removed in at two locations along the north side of E. Ohio St., approximately 50-feet and 150-feet east of the intersection of N. McClurg Ct. and E. Ohio St. (see sketch). The two excavations were conducted to add corrosion control anodes to the gas service line. Both excavations were approximately 18-inches in diameter with a termination depth of 72-inches below ground/pavement surface (bgs).

The gamma monitoring did not indicate that the fill soil was 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 6,669 (S/N: 172039) counts per minute (cpm) shielded. The background count for soil recorded near the location of the excavations was 1,700 cpm.

Coring equipment mounted on a skid-steer was utilized to core an 18-inch diameter opening in the pavement. The remainder of the excavation was completed utilizing a vacuum truck. Backfill sand was encountered from 36 to 72 inches bgs in each excavation. The backfill sand was apparently utilized to fill the excavation when the service line was originally installed. The field gamma measurements within the excavations did not exceed the instrument threshold previously stated and ranged from a minimum of 1,500 cpm to a maximum of 4,500 cpm shielded at the base of the second excavation. 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 ROW form, field sketch and gamma results documenting the work performed are 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.: DOT983565
Permit Address: 420-50 E. Ohio St.
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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: Permit
Sketch and Results Table

PERMIT



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. 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): 420-50 E Ohio St

Nature of Work: Corrosion-installing anodes

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

General / Prime Contractor Name, Address, Phone No.: Mohamed Mohamedein (773)395-4253

Include subcontractor information if applicable
Safety Officer / Phone No. Gyldnis King (312)240-4464

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

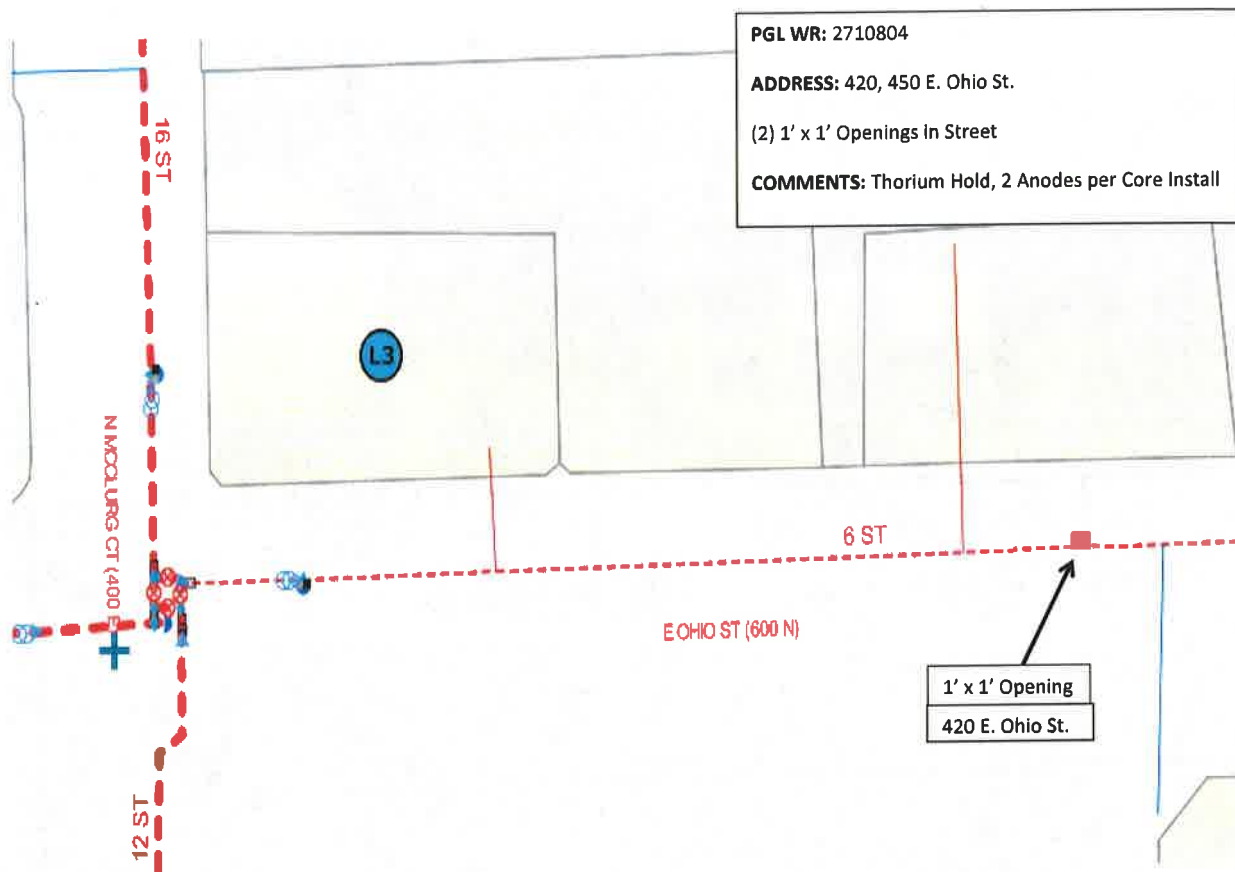
Check if City Department Work Department Name: _____

CDOT Permit No.: DOT983565

Today's Date: 8/16/18 Expected Start Date: 8/18/18 CDPH Approval / Date J Sheahan 8-21-18

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)

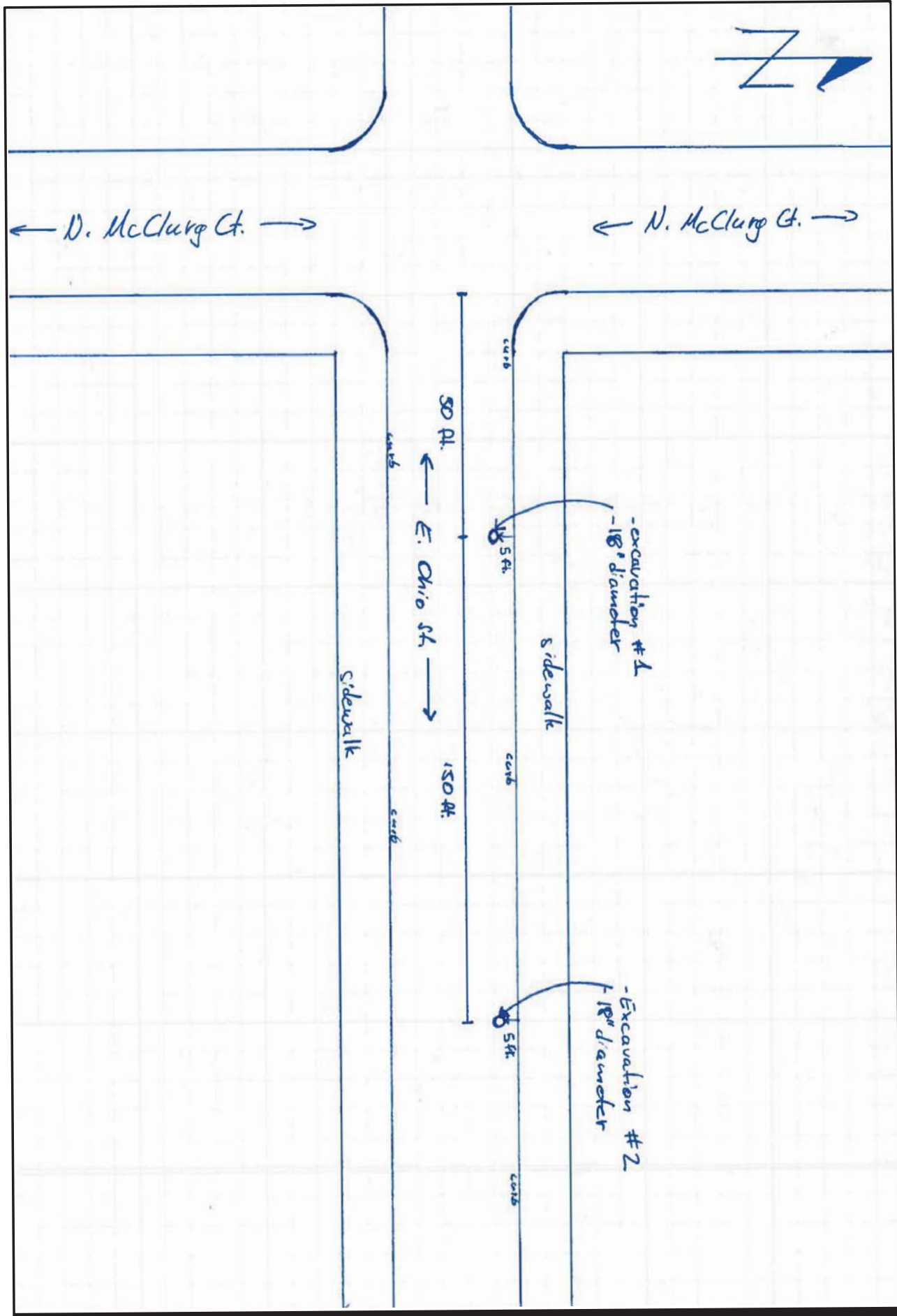
For CDPH Use Only



PGL WR: 2710804
ADDRESS: 420, 450 E. Ohio St.
(2) 1' x 1' Openings in Street
COMMENTS: Thorium Hold, 2 Anodes per Core Install

1' x 1' Opening
420 E. Ohio St.

SKETCH AND RESULTS



Gamma Survey Results

420-50 E. Ohio St.

People's Gas

DOT983565

Survey Equipment

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR179406
shielded cutoff (long cable):	6,669 cpm
background:	1,700 cpm
Personnel:	E. Sulita
Date of Screening:	11/15/2018
Permit #:	DOT983565

Survey Results

Location	Depth (inches)	Readings (CPM)
1	0	concrete/asphalt
	12	1500
	36	2300 - 2600
	72	3900
2	0	concrete/asphalt
	12	1900
	36	3300
	72	4500