



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

312-939-1000 tel
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August 22, 2018

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

RE: 165-210 E. Illinois St - Test Pit Excavation
Permit No.: DOT979374
Permit Address: 165-210 E. Illinois St., Chicago, Illinois
AECOM Project No. 60157647.111

Dear Mr. Jouras:

Pursuant to conditions specified in the permits (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced sites. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on August 14, 2018 for a hydrovac excavated test hole.

Surveying was performed within the excavation and on the fill removed at 165-210 E. Illinois St., at the intersection of E. Illinois St. and northbound N. St. Claire St. The excavation was conducted to identify the exact location of a gas utility line. The work consisted of a test hole, approximately 18-inches in diameter and excavated to a depth of 6-feet 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 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 6,456 (S/N: 172039) counts per minute (cpm) shielded with a long probe cord. The long probe cord was necessary to allow the instrument to be lowered into the borehole. The field background measurements for the instrument were between 1,400 – 2,100 cpm.

The field gamma measurements within the trench and for the spoil produced during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 1,200 cpm to a maximum of 3,400 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 permits and sketch documenting the areas where work was performed as well as the gamma results are included as attachments.

As part of the permit conditions, this letter has been forwarded to:

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

Permit No.: DOT979374
Permit Address: 165-210 E. Illinois 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: Permits
Sketch and Results
Photograph

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):

165-210 E. Illinois St (Lower)

Nature of Work: Test Hole

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

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

Safety Officer / Phone No. Hyldnis King (312) 240-4464

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

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: DOT 979374

Today's Date: 7/20/18 Expected Start Date: 7/30/18 CDPH Approval / Date J Sheahan 7/20/18

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

SKETCH AND RESULTS

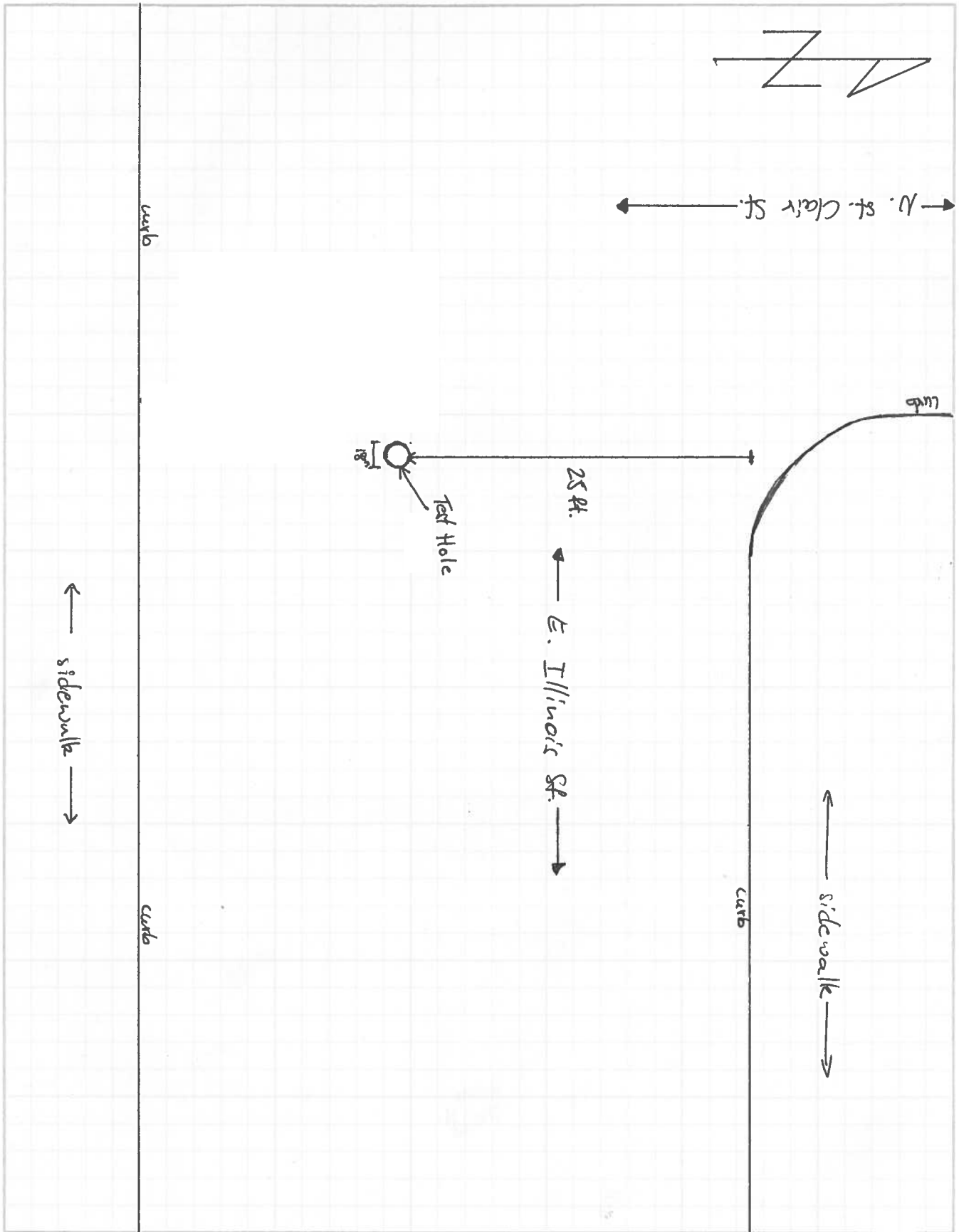
By: A. Kozak Date: 8/16/18

Subject: 210-165 E. Illinois St. - Corrosion Repair

Sheet 1 of 1

Chkd. by: S. Kornder Date: 8/22/18

Job No.: 60157647.111



Gamma Survey Results

165-210 E. Illinois St.

People's Gas

DOT979374

Survey Equipment

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR179406
shielded cutoff (long cable):	6,456 cpm
background:	1,400 - 2,100
Personnel:	D. Domino
Date of Screening:	8.14.18
Permit #:	DOT979374

Survey Results

Location	Depth (inches)	Readings (CPM)
1	0	concrete
	18	1200-1400
	36	1500-1600
	54	1500-1700
	72	1500-1800

PHOTOTGRAPH



Looking north across E Illinois St at borehole and N St. Clair St.