

October 23, 2018

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

RE: Valve Repair
Permit No.: DOT978251
Permit Address: 200-210 E. Ohio St., Chicago, Illinois
AECOM Project No. 60157647.112

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 October 16, 2018 during an excavation to replace a valve in the sidewalk.

Surveying was performed on the fill removed at 200-210 E. Ohio St. to address a replacement of a gas-utility valve. The work consisted of a single circular excavation (boring) approximately 2-feet in diameter, which was excavated to a depth of approximately 10-inches below the pavement surface. The excavation was located approximately 40-feet east of the intersection of N. Saint Claire St. and E. Ohio St. (refer to the attached sketch).

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 field gamma measurements within the excavations did not exceed the instrument threshold previously stated and ranged from a minimum of 1,300 cpm to a maximum of 1,700 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 field instrument background value measurement was not collected since there was no fill soil in the immediate vicinity of the excavation. A copy of the permit, 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

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Permit Address: 200-210 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

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): 200-10 E Ohio St.

Nature of Work: Valve Repair

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

General / Prime Contractor Name, Address, Phone No.: Ken Mels (312) 273-2379

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

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

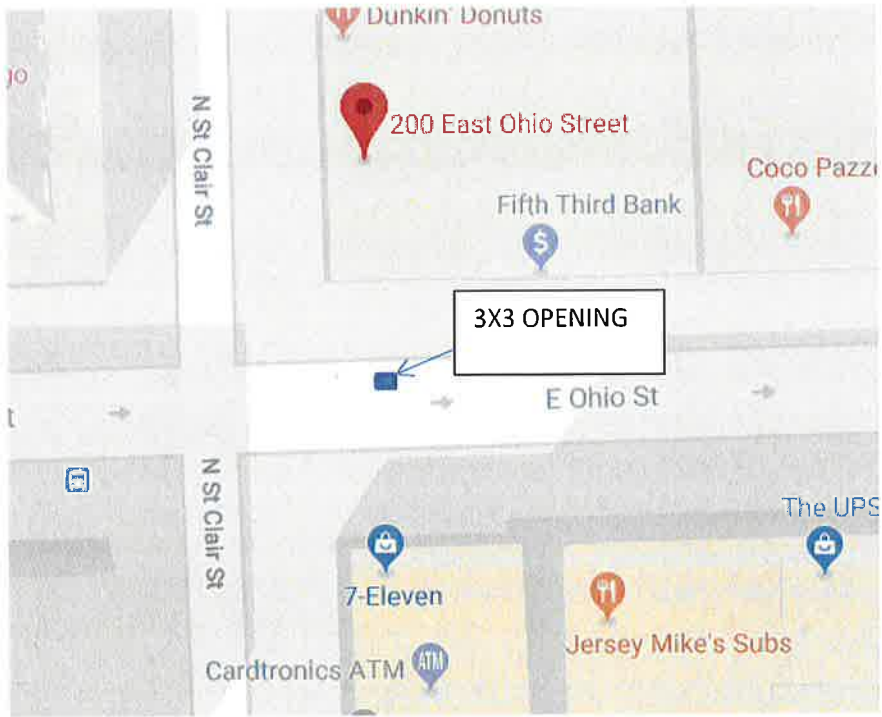
Check if City Department Work Department Name: _____

CDOT Permit No.: DOT 978251

Today's Date: 7/31/18 Expected Start Date: 8/2/18 CDPH Approval / Date: J Sheahan 8-1-16

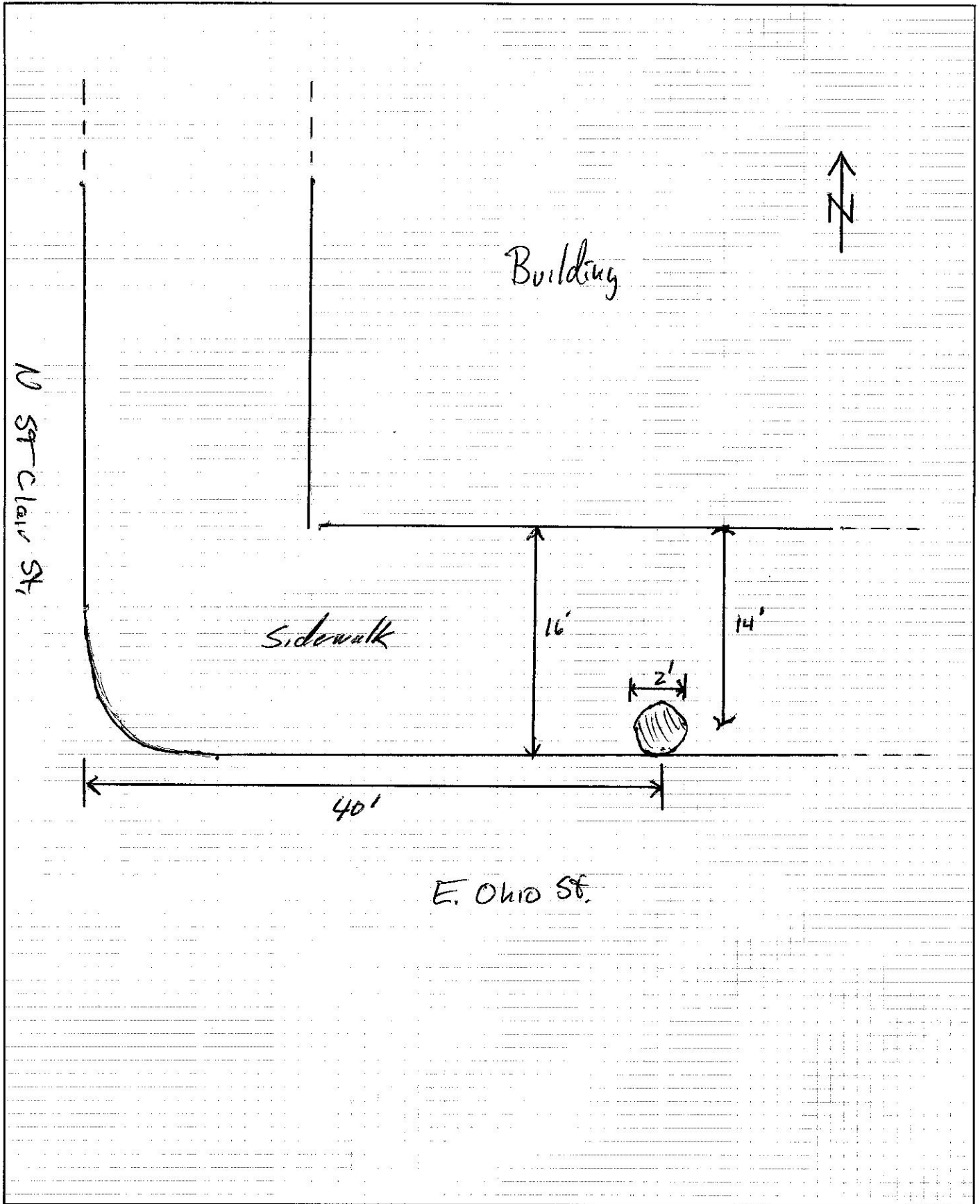
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



SKETCH

JOB TITLE Peoples Gas 200-10 E Ohio St
JOB NO. 60157647-112 CALCULATION NO. _____
ORIGINATOR R Korak DATE 10/19/18
REVIEWER S Koinder DATE 10/23/18
SCALE _____ SHEET NO. 1 OF 1



Survey Results
200-210 E. Ohio St.
People's Gas

Survey Equipment

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR174406
shielded:	6,669 cpm
background:	N/A
Source Block:	32,000 cpm
Personnel:	E. Sulita
Date of Screening:	10/16/2018

Survey Results

Section	Depth (inches)	Readings (CPM)
1	0-10	concrete
	10-28	1,300 - 1,700