

November 14, 2018

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

RE: Pressure Recording Instrumentation  
Permit No.: DOT1015079  
Permit Address: 26-36 W. Hubbard St., Chicago, Illinois  
AECOM Project No. 60157647.116

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 23, 2018 during an excavation to install a pressure recording station.

Surveying was performed on the fill removed in front of the building at 30 W. Hubbard St. during the installation of a pressure recording station associated with the gas utility line. The work consisted of a single excavation approximately 5-feet wide, 7-feet long, and excavated to 3-feet below ground surface (bgs). The excavation was located on the north side of W. Hubbard St. approximately 40-feet east of the intersection of N. Dearborn St. and W. Hubbard 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 background counts for soil recorded near the location of the excavation were between 1,700 to 2,300 cpm.

The field gamma measurements within the excavations did not exceed the instrument threshold previously stated and ranged from a minimum of 1,900 cpm to a maximum of 3,100 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 CPH 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

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Permit Address: 26-36 W. Hubbard 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.

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 G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 26-36 W Hubbard St

Nature of Work: Installation of pressure recording station

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

General / Prime Contractor Name, Address, Phone No.: Miguel Jacob (773) 395-4177
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.: DOT1015079

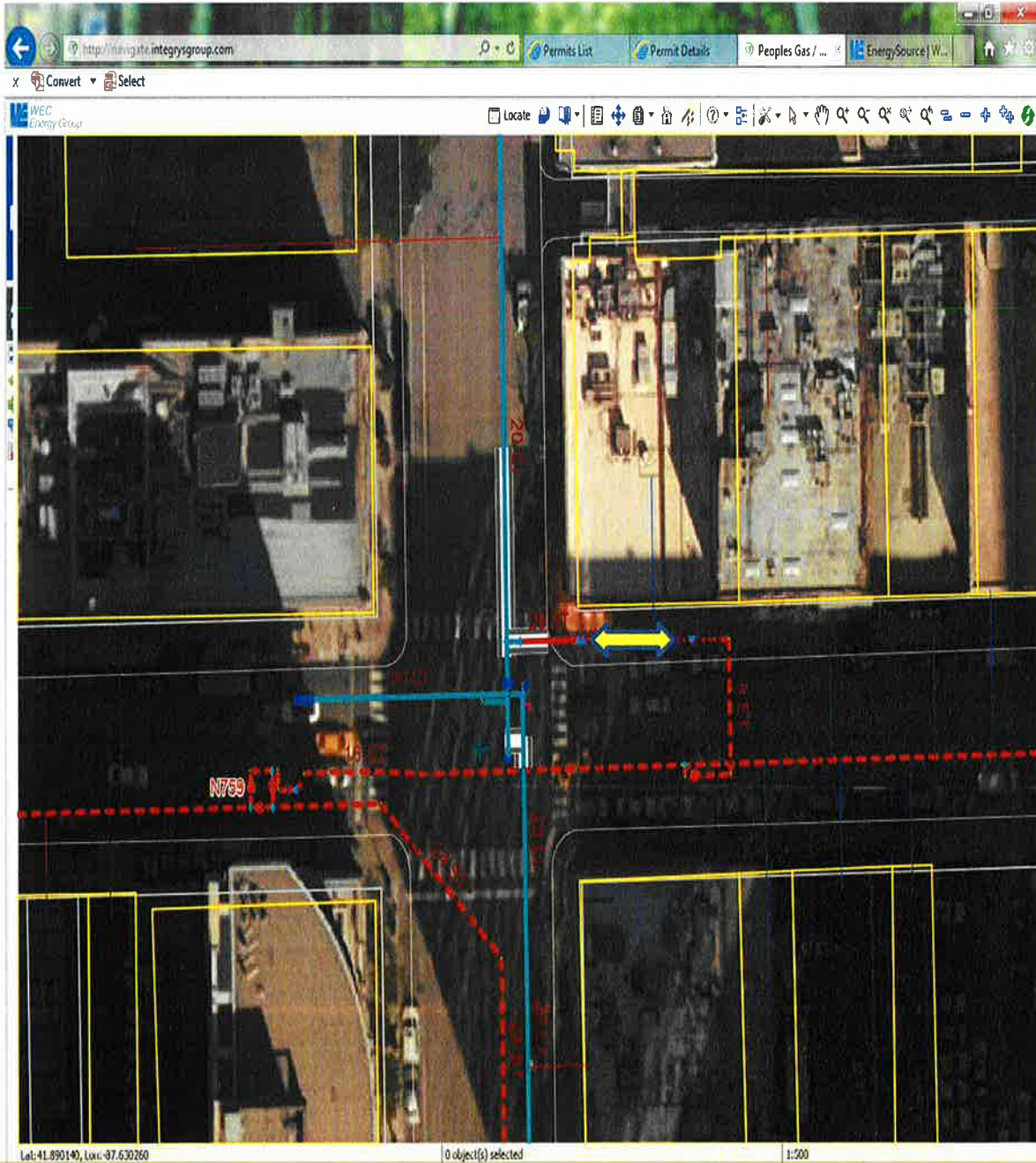
Today's Date: 10-09-18 Expected Start Date: 10-15-18 CDPH Approval / Date: [Signature] 10/9/18

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

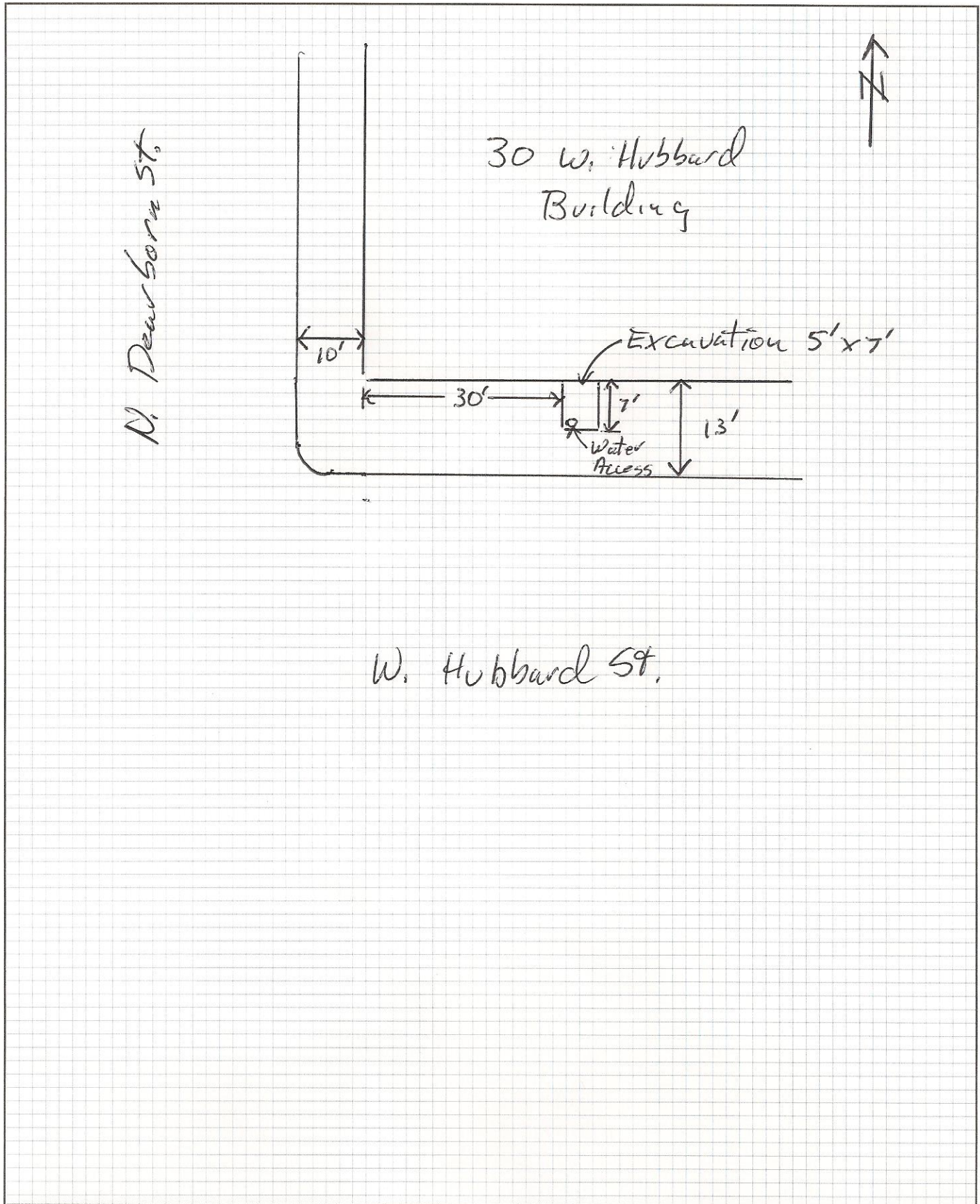
# 26-36 W Hubbard Installation of pressure recording station

10x5x3 sidewalk/parkway



## SKETCH AND RESULTS

JOB TITLE Peoples Gas 26-36 W Hubbard St  
JOB NO. 60157647 CALCULATION NO. \_\_\_\_\_  
ORIGINATOR E. Sylita DATE 10/23/18  
REVIEWER S. Korndorfer DATE 11/14/18  
SCALE NA SHEET NO. 1 OF 1



**Gamma Survey Results**

**22 W. Hubbard St.**

**People's Gas**

**DOT1015079**

**Survey Equipment**

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR179406
shielded cutoff (long cable):	6,669 cpm
background:	1,700 - 2,300
Personnel:	E. Sulita
Date of Screening:	10/23/2018
Permit #:	DOT1015079

**Survey Results**

Location	Depth (inches)	Readings (CPM)
1	0	concrete
	8	2100 - 2400
	16	2300 - 3100
	24	2300 - 2500
	30	2100 - 2300
	36	1900 - 2200