



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

312-373-1000 tel

November 14, 2018

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

RE: Adjusting Valve and Service Boxes for Repaving
Permit No.: DOT1028240
Permit Address: 1-76 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 November 8, 2018 during excavations necessary to adjust valve and service boxes in preparation of roadway resurfacing.

Surveying was performed on the fill exposed during excavation in preparation for roadway resurfacing activities. The work consisted of multiple small excavations along W. Hubbard St. between N. State St. and N. Dearborn St (refer to sketch). The excavations were approximately 12-inches in diameter and excavated to a depth of 6-inches below ground/pavement surface (bgs).

The gamma monitoring did not indicate that the fill soil exposed 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 instrument background count recorded for fill soil near the location of the excavations was 1,200 cpm. Although none were observed for this project, field gamma measurements greater than twice the field background represent potential anomalous results that require more cautious and frequent field screening but are not necessarily indications of the presence of thorium contaminated fill soil.

The field gamma measurements within the excavations did not exceed the instrument threshold previously stated and ranged from a minimum of 1,100 cpm to a maximum of 2,100 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 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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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

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 Oliver Signature: Maria J Oliver
Site Address and Work Location (Describe exact site location and attach map): 1-76 W Hubbard

Nature of Work: Adjusting valve and service boxes prior to street resurfacing

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. 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.: DOT1028240

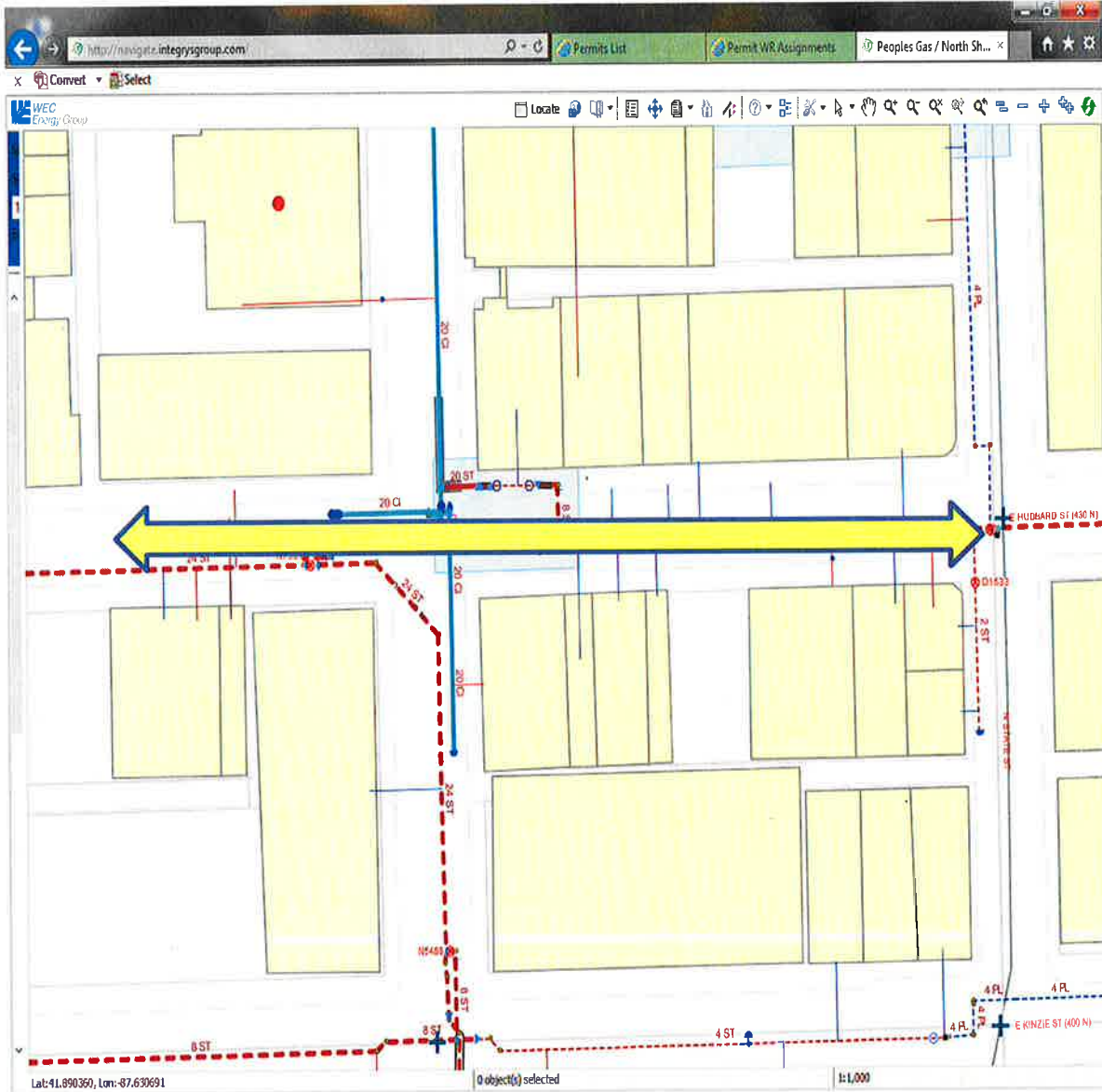
Today's Date: 11/5/18 Expected Start Date: 11/7/18 CDPH Approval / Date: J Sheahan 11/7/18

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

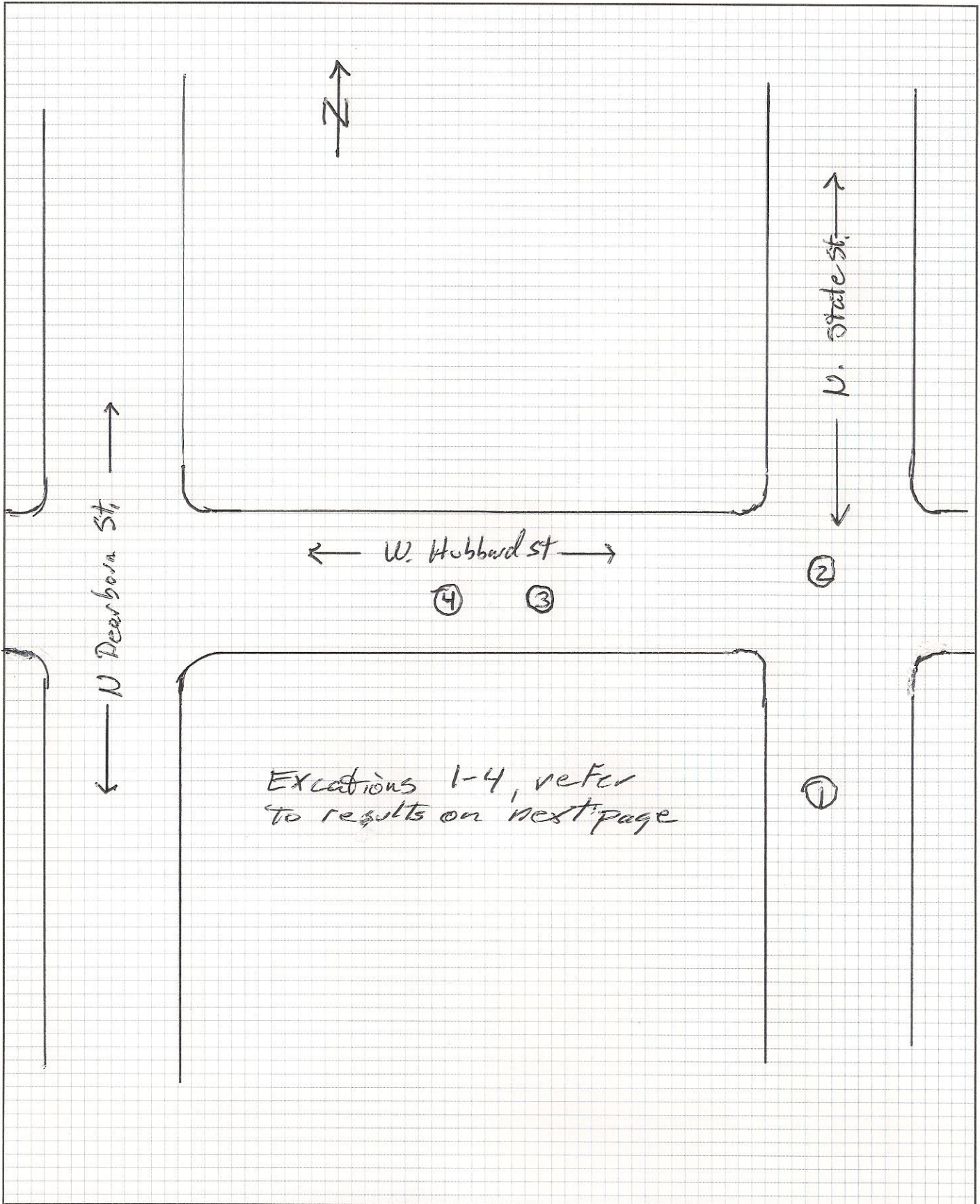
1-76 W Hubbard Adjusting valve and services boxes prior to street resurfacing

3x3 Street openings on both sides of the street



SKETCH

JOB TITLE Peoples Gas - 1-76 W Hubbard St
JOB NO. 60157647.117 CALCULATION NO. —
ORIGINATOR E Sulita DATE 11/8/18
REVIEWER S Kerndler DATE 11/14/18
SCALE NA SHEET NO. 1 OF 1



Gamma Survey Results

1-76 W. Hubbard St.

People's Gas

DOT1028240

Survey Equipment

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR179406
shielded cutoff (long cable):	6,669 cpm
background:	1,200 com
Personnel:	E. Sulita
Date of Screening:	11/8/2018
Permit #:	DOT1028240

Survey Results

Location	Depth (inches)	Readings (CPM)
1	0	concrete
	6	1400 - 1700
2	0	concrete
	6	1100 - 1500
3	0	concrete
	6	1600 - 2100
4	0	concrete
	6	1800 - 1900