



AECOM
100 S. Wacker Drive, Suite 500
Chicago, Illinois 60606

312-939-1000 tel
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July 29, 2016

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

RE: Radiological Survey of a Manhole Installation
Permit No.: DOT660146
Permit Address: 237 E. Ontario St., Chicago, Illinois
AECOM Project No. 60157647

Dear Mr. Jouras:

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 site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on July 20, 2016 for an installation of a manhole.

Surveying was performed within the excavation and on the spoil removed at 237 E. Ontario St. (refer to sketch). The excavation was composed of a single trench in the alley-way off of Ontario St. and was approximately 5-feet wide by 4-feet long to a depth of 30-inches below ground surface (bgs).

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 17,015 (S/N: 172039) counts per minute (cpm) unshielded.

The field gamma measurements within the excavations and of the spoil during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 8,600 cpm to a maximum of 9,500 cpm unshielded. 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 and a field sketch documenting the area where work was performed, have been included as attachments.

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

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

Permit No.: DOT660146
Permit Address: 237 E Ontario 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 Geoscientist

cc: Rahmat Begum, 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): 237 E. Ontario

Nature of Work: Cut-Off Paving

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

General / Prime Contractor Name, Address, Phone No.: Jeff Krupa (773) 542-7924

Include subcontractor information if applicable

Safety Officer / Phone No. Jerry Krass (773) 542-7927

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

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT 660146

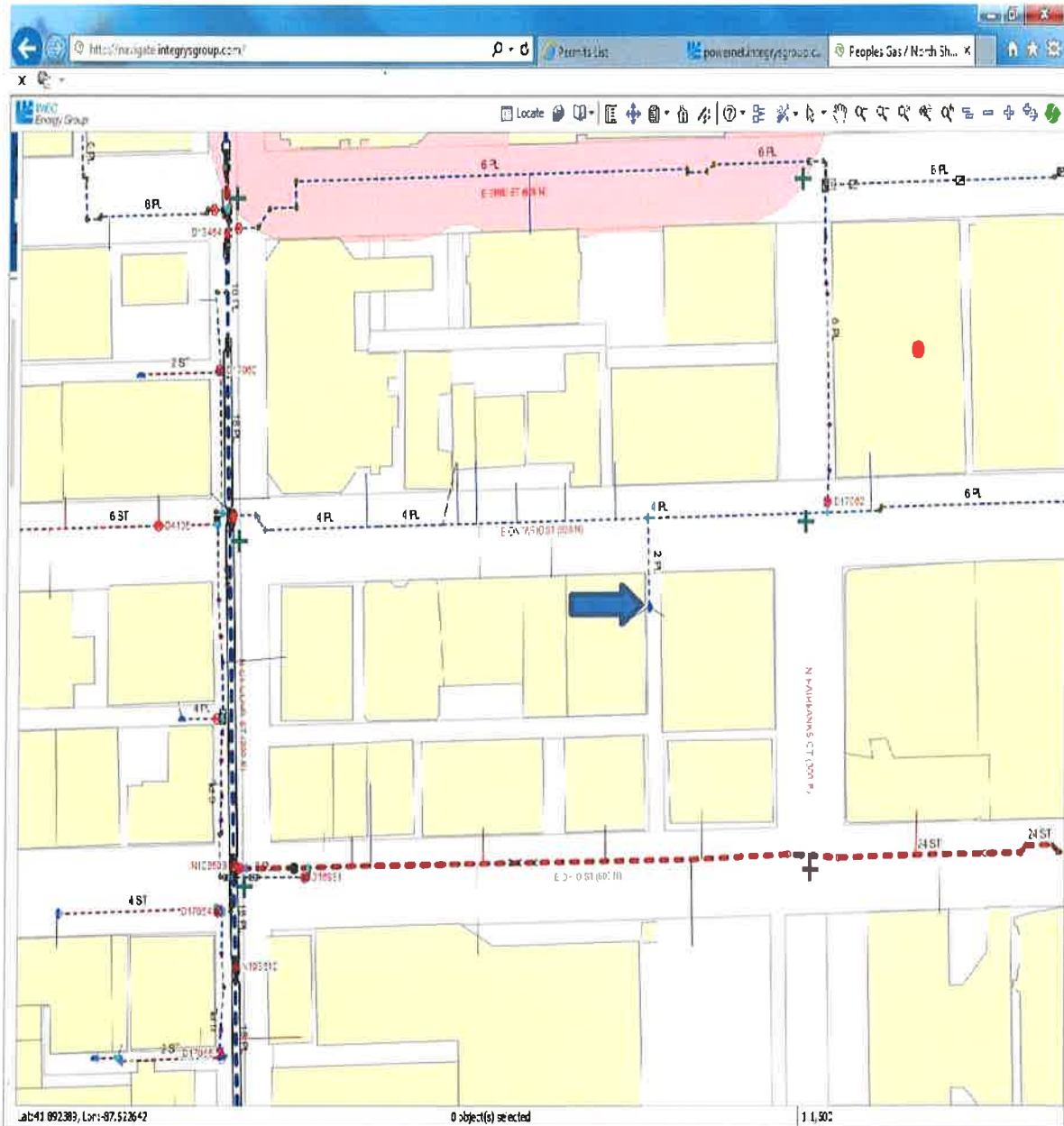
Today's Date: 7/8/16 Expected Start Date: 7/13/16 CDPH Approval / Date: Sheehan 7-8-16

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

237 E Ontario Cut-off Wrecking

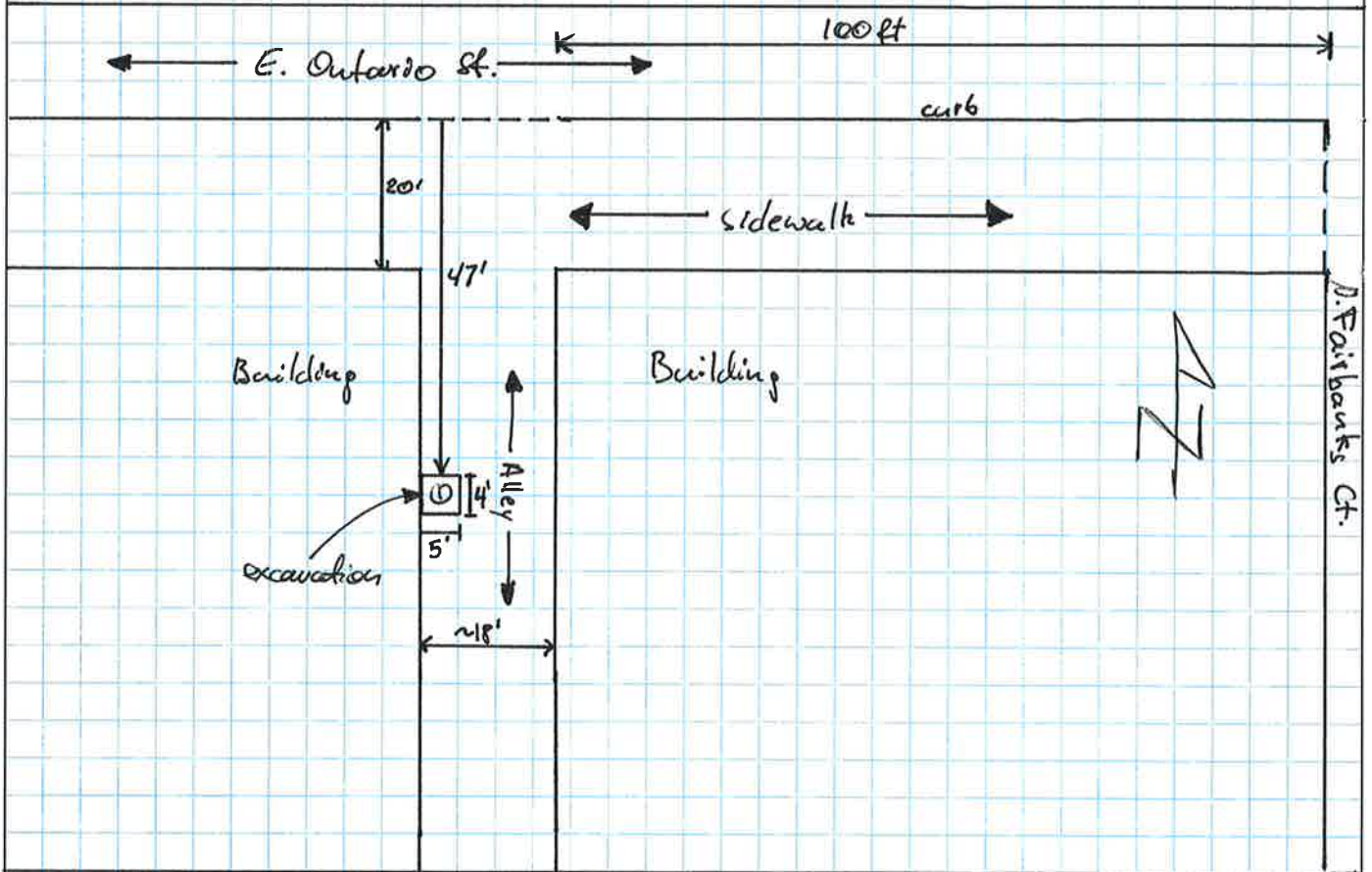
4x4 Opening in Alley at 31 SS Ontario & 2 EW Fairbanks



SKETCH

Survey Equipment

Ludlum 2221 S/N: 172039
 Probe 2x2 NaI S/N: 174496
 unshielded: 17,015
 shielded: 6,684
 background: _____
 Personnel: K. Korczak



Readings

<u>Depth</u>	<u>CPM</u>
① Surface (beneath concrete)	9,100 - 9,500
15"	8,800 - 9,300
30"	8,600 - 9,100