



AECOM
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Chicago, Illinois 60606

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June 25, 2018

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

RE: Service Repair\Replacement
Permit No.: DOT936914
Permit Address: 320-35 N. Lower Columbus Dr., 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 May 24, 2018 for an excavation related to a service line.

Surveying was performed on the fill removed at 320-35 North Lower Columbus Drive required to address a gas service line replacement. The work consisted of a single rectangular excavation (see attached photograph of the excavation). The excavation was approximately 5-feet long, 3-feet wide and excavated to a depth of 2.5-feet 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 a shielded 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 7,293 (S/N: 326720) counts per minute (cpm) shielded.

The field gamma measurements of the excavation spoil and within the excavation did not exceed the instrument threshold previously stated, and ranged from a minimum of 1,700 cpm to a maximum of 3,400 cpm shielded. The general subsurface stratigraphy was composed sub-grade (gravel) and urban fill. 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, photograph and gamma results for the work have been 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

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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: Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Photograph
Results

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): 320-35 N Lower Columbus Drive

Nature of Work: Service Replacement

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

General / Prime Contractor Name, Address, Phone No.: Justin Gotkowski (312) 622-0834

Include subcontractor information if applicable) Safety Officer / Phone No. Liviana Monsalve (773) 794-6869

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

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT 936914

Today's Date: 4/24/18 Expected Start Date: 4/26/18 CDPH Approval / Date: J Sheehan 5-10-18

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



PHOTOGRAPH

320-35 N COLUMBUS DRIVE (DOT936914)



Photograph of 3 X 5 foot excavation prior to service line replacement.

RESULTS

Survey Results
320-35 N. Lower Columbus Dr.
People's Gas

Survey Equipment

| | |
|--------------------|-----------|
| Ludlum 2221 S/N: | 326720 |
| Probe 2x2 NaI S/N: | PR360158 |
| shielded: | 7,293 cpm |
| background: | - |
| Personnel: | S. He |
| Date of Screening: | 5.24.18 |

Survey Results

| Depth (inches) | Readings (CPM) |
|----------------|----------------|
| 0 | Pavement |
| 12-36 (spoil) | 1,700 - 2,100 |
| 36 | 2,500 - 3,400 |