



AECOM
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Chicago, Illinois 60601

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August 5, 2013

Mr. Mike Jouras
People's Gas Light & Coke Co.
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 369683377
Permit Address: 160 East Ontario Street
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 19, 2013 for an excavation to decommission a gas service line for the address located at 160 E. Ontario St.

Surveying was performed for the soil removed from a 3-foot by 4-foot excavation within the alley west of East Ontario Street (see sketch). A depth of 3-feet below ground surface was required for the decommissioning of the existing gas service line. The monitoring revealed no indication of soil above the specified clean-up threshold established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA cleanup threshold 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 made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 18,701 counts per minute (cpm) unshielded. The field gamma background for the area was measured at approximately 6,400 cpm unshielded. The field gamma measurements within the excavation and of the spoil materials generated during the excavation process did not exceed the respective cleanup threshold value previously stated and ranged from a minimum of 8,900 cpm to a maximum of 11,100 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

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

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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Brian R. Schmidt
Project Scientist II



Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Rahmat Begum, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.PRPTY.02

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. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 33 N. LaSalle St., Suite LL-120, Chicago, Illinois 60602 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 744-3152 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. Further, I will ensure that all work at the subject site, 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 surveying conducted shall be provided to 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): 160-161 E. Ontario

Nature of Work: Cut-off Wrecking

Company Name, Address, Phone No.: Peoples Gas, 130 E. Randolph, (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: BOB Herman (773) 542-7842

Include subcontractor information if applicable
Safety Officer / Phone No. Jerry Gross

Radiation Contractor / Phone No. (if applicable) AECOM, Inc Steve Kornder (847) 279-2448

Check if City Department Work Department Name: _____

CDOT Permit No. or Developer Services No.: 369683377

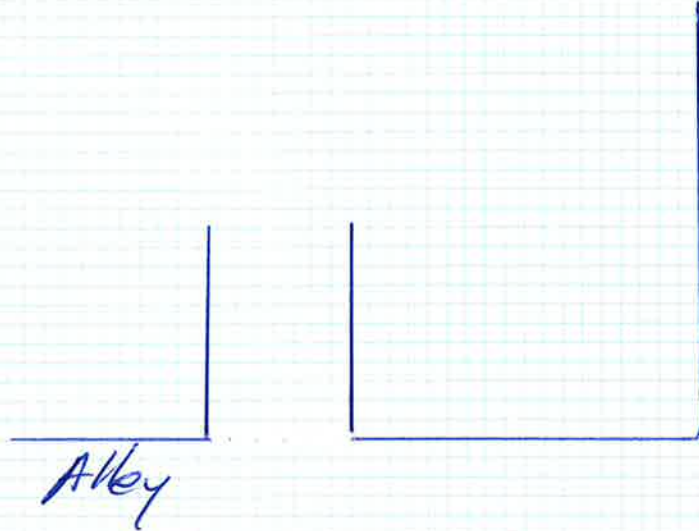
Today's Date: 7/15/13 Expected Start Date: 7/17/13 CDPH Approval / Date _____

Please return this completed form to the Chicago Department of Public Health at 33 N. LaSalle St., LL120, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

JOB TITLE Peoples Gas 160 E Ontario St.
 JOB NO. 60157647 CALCULATION NO. _____
 ORIGINATOR K Russell DATE 7/19/13
 REVIEWER SCK DATE 8/2/13
 SCALE NA SHEET NO. 1 OF 1

↑ N



3x4 foot
Excavation →

@ Asphalt Surface - 10,206 cpm

Directly below Asphalt - 11,100

Depth (ft) Gamma RD (cpm)

-1 10,200

-2 9,100

-3 8,900

160 E
Ontario St.

5th. Clair Street

Background
Value = 6,400 cpm
unshielded

Surveyed with Ludlum 2221 with 2x2" Probe
S/N 172039 cutoff value = 18,701 cpm unshielded