



AECOM  
303 E. Wacker Drive, Suite 900  
Chicago, Illinois 60601

312-938-0300 tel  
312-938-1109 fax

August 22, 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.: 370683332  
Permit Address: 333 East North Water 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 August 13, 2013 for an excavation to install a gas service line for the address located at 333 E. North Water St (aka 455 N Park St).

Surveying was performed for the soil removed from a 6-foot by 33-foot trench excavation within the street on the north side of East North Water Street (see sketch) to a depth of 3-feet below ground surface, required for installation of a new gas service line. The monitoring revealed no indication of soils above the specified clean-up value established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA 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 cleanup value was 17,915 counts per minute (cpm) unshielded. The field gamma background for the area was measured at approximately 6,000 cpm unshielded. The field gamma measurements within the excavation and of the spoil material generated during the excavation process did not exceed the threshold equivalent to the USEPA cleanup value previously stated and ranged from a minimum of 7,400 cpm to a maximum of 10,500 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value 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): 333 E. North Water St

Nature of Work: New Service Installation  
Company Name, Address, Phone No.: Peoples Gas, 130 E. Randolph, (312) 240-4692  
General / Prime Contractor Name, Address, Phone No.: Bob Anderson (773) 542-7856  
*Include subcontractor information if applicable*  
Safety Officer / Phone No.: Jerry Sparr (773) 542-7927  
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.: 370623332

Today's Date: 7/26/13 Expected Start Date: 7/30/13 CDPH Approval / Date: Kahmatunisa Begar 7/26/2013

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

333 E. N. WATER ST. FORTY FIVE N. WATER PARK

AECOM

JOB TITLE INTEGRITY - GAS SERVICE INSTALLATION

JOB NO. 60157647 T.45 CALCULATION NO. \_\_\_\_\_

ORIGINATOR BRIAN SCUMIST

DATE 8/13/13

SHEET 1 OF 1

REVIEWER STEVE KORNOSE

DATE 8/13/13

N ↑

455 N. WATER  
PARK BUILDING

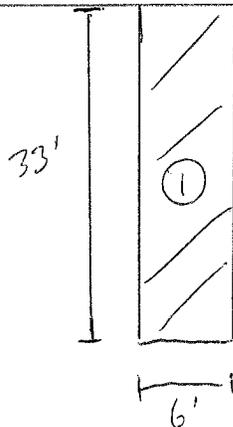
6' x 33' TRENCH EXCAVATION (DEPTH TO 3' bgs)

- ① 0-18" - 10,500 cpm
- 18-36" - 9,300 cpm
- 36-54' - 7,400 cpm

SIDEWALK

NEW STREET

SIDEWALK



180'

LVDLUM-2221 CUT-OFF VALUE:  
17,915 (UNSHIELDED)

WATER STREET

BACKGROUND  
VALUE: 6,000 cpm