AECOM

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US EPA RECORDS CENTER REGION 5
434554

May 2, 2012

Mr. Narendra Prasad
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.: 261486293
Permit Address: 430 East Ohio Street
AECOM Project No. 60157647

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 site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance completed on the days of April 30 and May 1, 2012 for an excavation to cut off an existing gas service line and install an anode on existing gas service piping.

Surveying was performed for the soil removed from a 3-foot by 18-foot excavation along East Ohio Street (see sketch) to a depth of 3-feet below ground surface required for cutting off an existing gas service line and installation of an anode on existing gas service piping. 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 clean-up value 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 threshold equivalent to the 7.1 pCi/g clean-up value was 20,356 counts per minute (cpm) unshielded (7,567 cpm shielded). The field gamma background for the area was measured at approximately 4,700 cpm unshielded. The field gamma measurements within the excavation and of the spoil materials generated during the excavation process did not exceed the respective field instrument threshold values previously stated and ranged from a minimum of 6,200 cpm to a maximum of 7,800 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, Rm. 200
Chicago, Illinois 60604

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

Regards,

Joshua J. Rowe
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.ROW.03**

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 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.**

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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 Oliver

Site Address and Work Location (Describe exact site location and attach map): 430 E. Olive St. Curblane

Nature of Work: Conversion Work

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

General / Prime Contractor Name, Address, Phone No.: Robert Herman (773) 542-7842
*Include subcontractor information if applicable)*

Safety Officer / Phone No. Jake Wilken (773) 542-7838

Radiation Contractor / Phone No. (if applicable) AECOM- Steve Kornder (847) 279-2500

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: 26148 6293

Today's Date: 4/27/12 Expected Start Date: ASAP CDPH Approval / Date Rahneesha Begum 4/27/2012

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)

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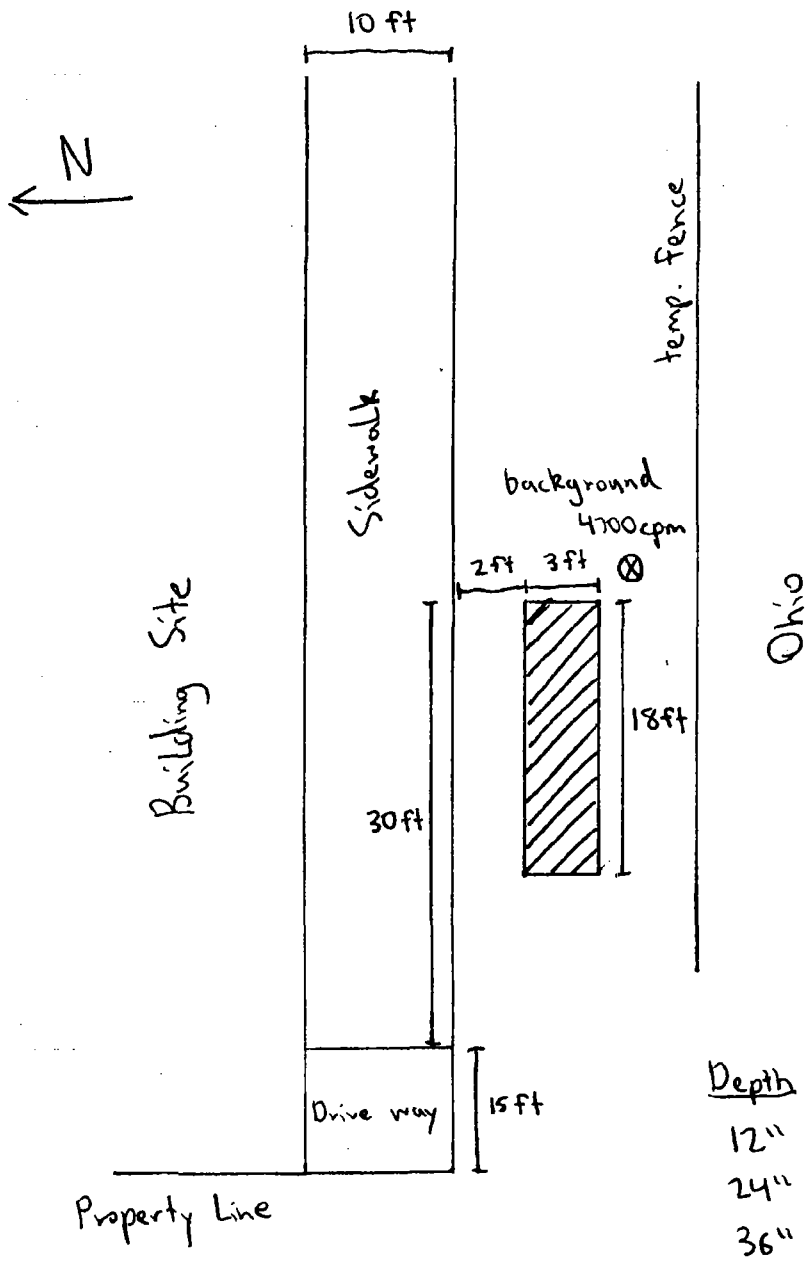
*For CDPH Use Only*

AECOM

JOB TITLE 430 E Ohio - Integrys
JOB NO. 60157647 CALCULATION NO.
ORIGINATOR Josh Rowe DATE 5/2/12
REVIEWER Steve Kornder DATE 5/2/12
SCALE not to scale SHEET NO. 1 OF 1

Meter S/N 172039
cut off 20,356 cpm unshielded




| Depth | Counts per Minute |
|---|---|
| 12" | concrete |
| 24" | 7800 |
| 36" | 6200 |

Grid: 6x6 = 2 cm