



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

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

US EPA RECORDS CENTER REGION 5



434552

March 30, 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.: 256863157  
Permit Address: 349 East Lower Randolph 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 between the days of March 19-27, 2012 for an excavation to install test wires along a section of gas main.

Surveying was performed for the soil removed from 4 excavation locations (See Sketch) in order to find the location of a gas main, to a depth of 7-feet below ground surface required for installation of test wires along a section of gas main. 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 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 NaI probe (Model 44-10). For the instrument used, the gamma count or threshold equivalent to the 7.1 pCi/g cleanup value was 19,969 counts per minute (cpm) unshielded (7,127 cpm shielded). The field gamma background for the area was measured at approximately 6,700 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold values previously stated and ranged from a minimum of 3,600 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, Rm. 200  
Chicago, Illinois 60604

Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: 256863157  
Page 2

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 Environment  
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.

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): 349 E. Lower Randolph  
Sidewalk

Nature of Work: Corrosion

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

General / Prime Contractor Name, Address, Phone No.: Max Meredith, 130 E. Randolph (773) 395-7496  
*Include subcontractor information if applicable*

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

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

Check if City Department Work  Department Name: \_\_\_\_\_

CDOT Permit No.: \_\_\_\_\_

Today's Date: 3/12/2012 Expected Start Date: \_\_\_\_\_ CDPH Approval / Date: Kabmatwise Byar

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

Calculation Sheet

Project <u>INTEGRIS- 349 E. LOWER RANDOLPH ST.</u>		Subject <u>ROI RADIOLOGICAL SURVEY</u>	
Originated By <u>BKS</u>	Date <u>3/30/12</u>	Checked By <u>BKS</u>	Date <u>3/30/12</u>
Job No. <u>60157647</u>		Scale <u>N/A</u>	Sheet No. <u>1</u> of <u>1</u>

