

AECOM 303 E. Wacker Drive, Suite 900 Chicago, Illinois 60601 312-938-0300 tel 312-938-1109 fax

June 19, 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.: 265695226 Permit Address: 158 East Ontario 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 evening of June 11, 2012 for an excavation to install an anode on existing gas service piping.

Surveying was performed for the soil removed from a 4-foot by 4-foot excavation along East Ontario Street (see sketch) to a depth of 3-feet below ground surface required for 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 Nal 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 5,400 cpm unshielded. The field gamma measurements within the excavation and of the spoil materials generated during the excavation process did not exceed the respective field instrument threshold values previously stated and ranged from a minimum of 6,100 cpm to a maximum of 6,800 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 Radiological Survey of Right-of-Way Utility Excavation Permit No.: 265695226 Page 2

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

Regards,

Joshua & Rome

Joshua J. Rowe Project Scientist II

Teve Kor

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.

## Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-ofway. 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. 1 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: Signature:
Site Address and Work Location (Describe exact site location and attach map): 57 E. Oatanio
Workin Cerb I me
Nature of Work: pornascion, Marke
Company Name, Address, Phone No .: Captar Like, 130 E. Anudalah (312) 240-4192
General / Prime Contractor Name, Address, Phone No.: Reflect Veria 130 & Randolph (773)542-71574 Include subcontractor information if applicable) Safety Officer / Phone No ale Villeen (773) 542-7738
Radiation Contractor / Phone No. (if applicable) AECIM Jule, Steve Kornsler (847) 279-244/2
Check if City Department Work 🔲 Department Name:
CDOT Permit No.: 265695226
oday's Date: 1/5/12 Expected Start Date: ASAP CDPH Approval / Date halmatumice Bane
lease return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit ffice, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through riday)

For CDPH Use Only

333 SOUTH STATE STREET, ROOM 200, CHICAGO, ILLINOIS 60604

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JOBTITLE 158 E Ontario - Integrys JOBNO. 60157647 CALCULATION N ORIGINATOR Josh Rowe DATE 61 REVIEWER Store Kounder DATE 61 AECOM NO. 6/19/12 scale SCALE 1007 to SHEET NO. OF Meter 5/N 172039 cut off 20,356 cpm unshielded 1597 1591 N Sidematk Sidewalk Ontario 44 Depth Courts por Minute Buildno 49+ D-12" concrete 12-24" 6100 24-36" 6800 116 97 St. Chair Grid: 6x6 = 2 cm