



AECOM
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September 29, 2011

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

US EPA RECORDS CENTER REGION 5



442983

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 170881215
Permit Address: 240 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 on August 31, 2011 for the excavation of a trench for the decommissioning of a gas main and service connection.

Surveying was performed for the asphalt, concrete, and soil removal of a 3-foot by 3-foot (to a depth of 3-feet) square excavation required for the decommissioning of the gas main and connection. The monitoring revealed no indication of soils above the specified clean-up threshold 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 NaI probe (Model 44-10).

For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 18,771 counts per minute (cpm) unshielded (7,122 cpm shielded). The unshielded 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 7,500 cpm to a maximum of 8,100 cpm. Thus, there was no indication of the presence of radiologically-impacted material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

Finally, as part of the permit conditions, this letter has been forwarded to:

Chicago Department of Environment
Attention: Ms. Rahmat Begum
30 North LaSalle Street, 25th Floor
Chicago, Illinois 60602

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

CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT
FORM NO. DOE.ROW.03

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Environment 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 the Department of Environment at 33 N. LaSalle St., Suite LL-120, Chicago, Illinois 60602 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 744-7606 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 the Department of Environment, 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 Department of Environment 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.

Permit No.

170881215

Date

8/9/11

Site Address

240 E. Ontario

Work Location (Describe exact site location and attach map)

Sidewalk

Nature of Work

Asphalting Cut-off

Expected Start Date

Applicant Name (print) Maria Oliver

Signature Maria G. Oliver Date 8/9/11

Company Peoples Gas

Company Address / Phone No. 130 E. Randolph (312) 240-4692

Check if City Department Work Department Name _____

General / Prime Contractor Robert Herman
Include subcontractor information if applicable

Address 130 E. Randolph

Phone No. (773) 542-7842

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

Radiation Contractor / Phone No. (if applicable) AECOM USA Inc. 773 619-6216
Steve Korndor

Department of Environment Approval / Date Rahmatunisa Begum
8/9/2011

Please return this completed form to the City of Chicago Department of Transportation at 30 N. LaSalle St., Room 1101, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).

For DOE Use Only

Calculation Sheet

| | | | | | | |
|--|--------------|----------------------------------|--------------|------------------|-----------|------------------|
| Project INTEGRALS - 240 E. ONTARIO ST. | | Subject RADIOLOGICAL SOIL SURVEY | | | | |
| Originated By BRS | Date 8/31/11 | Checked By BRS | Date 8/31/11 | Job No. 60157647 | Scale N/A | Sheet No. 1 of 1 |

N ↓

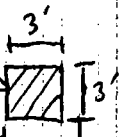
FAIRBANKS AVE.

SIDEWALK

SIDEWALK

ONTARIO ST.

EXCAVATION LOCATION



85'

SIDEWALK

29'

BUILDING

FAIRBANKS AVE

SIDEWALK

INSTRUMENT DATA:
 Ludlum # 172039
 UNSHIELDED CUT-OFF
 VALUE: 18,771 cpm

SURVEY VALUES

- 0-18" - 7700 cpm
- 12"-30" - 7500 cpm
- 24"-42" - 8100 cpm
- 30"-48" - 8050 cpm
- 35-53" - 7900 cpm



Authorization/Change Request

Project No: 60157647

Client: Integrys (PO No. 6600004136)

| | |
|-------------|-----------|
| Task No: | 9 |
| Rev No: | 12 |
| Issue Date: | 9/28/2011 |

Change Description

| | |
|------------------|---|
| Type of Change: | Scope – new location |
| Proposed Change: | Provide radiological screening on a time and materials basis for excavation activities in the ROW at: 1) 143 E. Ontario for cut-off, 2) 451 E. Ohio for a new service installation, 3) 208 E. Grand Ave for installation of corrosion protection; 4) 633 N Saint Clair for corrosion protection, and 5) 164-67 E. for corrosion protection. |

Reason for Proposed Change: Client request

Detailed Description of Proposed Change: Perform radiological screening for utility excavation at above referenced address per CDOE permits (to be provided by client).

Task Approach: Radiological screening in the ROW for utility excavation. The estimated time to complete as provided by client is less than 1-day.

Deliverables: Individual results reports including permit and sketch which will be sent to client, CDOE and USEPA for each of the above referenced sites.

Assumptions: AECOM will complete the field work based on a time and materials (T&M) basis and the agreed terms and conditions (MSA 06R-0052-RJW dated May 9, 2006).

Task Duration and Schedule: Complete within 30-days of authorization

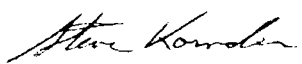
Cost Change

| | |
|--|----------------|
| Labor Cost: | |
| Radiation Technician (40 hrs @ \$85/hour) | \$3400 |
| Equipment Rental (5 @ \$75/day) | \$375 |
| Vehicle Trip Charge (5 @ \$50/day) | \$250 |
| Five Summary Letter Reports & Project Management | \$2,500 |
| Estimated Budget | \$6,525 |

Change Summary (or new cost for new task)

| | Labor | ODC | Expenses | Total |
|---|----------|---------|----------|----------|
| Current Authorization (Project) | \$15,660 | \$1,115 | 0 | \$16,775 |
| Proposed Change with this Authorization | \$5,900 | \$625 | 0 | \$ 6,525 |
| Project Total including Change | \$21,560 | \$1,740 | 0 | \$23,300 |

Authorization to Proceed

| | | |
|---|-----------------|---------------------|
| Client Representative Name/signature: | Title: | Authorization Date: |
| | | |
| AECOM Manager Name/signature: Steven Kornder | Title: | Authorization Date: |
|  | Project Manager | 9/28/2011 |

Comments: cc: J. Petruccione