AECOM

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August 19, 2010

EPA Region 5 Records Ctr.
375790

Mr. Narendra Prasad
Integrys Business Support, LLC
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

Subject: Radiological Survey of Right-of-Way Utility Excavation
Permit No 764886910
Permit Address: 338 East North Water Street
AECOM Project No 60157647

Dear Mr. Prasad:

Pursuant to conditions specified in the permit found in Attachment A issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM provided the required radiation surveillance on July 29, 2010 for the excavation a single one foot by one foot excavation opening to install corrosion protection materials for the gas main in the vicinity of the permitted address.

Surveying was performed for the asphalt, concrete, and soil removal for the excavations required for the installation of corrosion protection equipment for the gas main. A one foot by one foot area was saw cut into the asphalt and concrete surface, exposing the structural backfill material located below approximately 17 feet north of the South Lot Line of East North Water Street and 184 feet east of the East Lot Line of North Park Drive. Documentation of the excavation location provided by INTREN can be found in Attachment B. After asphalt and concrete were removed, the installation contractor, INTREN, utilized a soil vacuum truck to remove subsurface soils to expose the main due to the minimal area of excavation. AECOM proceeded to monitor the soils in increments of approximately 15-inches to a depth of approximately 5-feet. Please note that the depth to which the Ludlum Model 2221 survey meter used by AECOM is designed to detect gamma radiation counts above the threshold level is at 18 inch increments. Surveyed soils were retained to backfill into the excavation upon completion of the installation of the corrosion detection materials.

The monitoring revealed no indication of soils above the specified clean-up threshold established by the United States 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) with a 20-foot long cord due to the depth of excavations. For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 7,567 counts per minute (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 1,500 cpm to a maximum of 3,500 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,

Jaclyn C. Webb
Staff Engineer

Steven C. Kornder, Ph.D.
Senior Project Geochemist

cc: Rahmat Begum, Chicago Department of Environment
Verneta Simon, USEPA

Attachment A Permit
Attachment B Excavation Location

Attachment A

Permit

City of Chicago
Richard M. Daley, Mayor

Department of Environment

Sadhu A. Johnston
Commissioner

Twenty-fifth Floor
30 North LaSalle Street
Chicago, Illinois 60602-2575
(312) 744-7606 (Voice)
(312) 744-6451 (FAX)
(312) 744-3586 (TTY)
http://www.cityofchicago.org

CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT
FORM NO. DOE.ROW.02

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 30 N. LaSalle St., 25th Floor, 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. 764886910

Date 6/8/10

Site Address

338 E. North Water

Work Location (Describe exact site location and attach map)

Street, sidewalk, Shwy. curblane Trafficlane

Nature of Work

Excavation

Expected Start Date

ASAP

Applicant Name (print) Maria G. Oliver

Signature Maria G. Oliver Date 6/4/10

Company Peoples Gas

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

Check if City Department Work ☐ Department Name

General / Prime Contractor Sal Balamis

Include subcontractor information if applicable

Address 130 E. Randolph

Phone No. (773) 395-7446

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

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

Department of Environment Approval / Date Rahmatunisa Begum 6/4/10

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

NEIGHBORHOODS Alive! BUILDING CHICAGO TOGETHER

CHICAGO WORKS TOGETHER

Revised December 22, 2006

Attachment B

Excavation Location

MAIN MAINTENANCE TICKET

ADDRESS: 338 E. North Water [redacted]

MAIN LOCATION				LOCATION FROM INTERSECTING STREET					
FEET FROM LL	NSEW OF	NSEW LL	PROD. DIR.	FEET FROM LL	NSEW OF	NSEW LL	DIR.	INTERSECTING STREET	PROD. DIR.
17	N	S		184	E	E	N.	Park Dr.	

SIZE	KIND (CIRCLE ONE)	PRESSURE	DEPTH OF MAIN	CONDITION OF MAIN: (CIRCLE ONE)	IF MAIN CONDITION IS POOR, WAS COUPON TAKEN?
8"	C – CAST IRON C – DUCTILE IRON S – STEEL COR PRO P – PLASTIC OTHER	LOW MEDIUM HIGH	5 FT. 0 IN.	GOOD POOR NOT EXPOSED	YES NO

WORK PERFORMED: (CIRCLE ONE)

JOB CODE		
26 – EXTERNAL SEALANT	(MILLER)	206
33 – INJECTED SEALANT	(PERMABOND)	436
18 – B-BOX/BASIN MAINTENANCE		348
19 – TEST HOLE		248
60 – MAIN REPLACEMENT (Kind for Kind)		260
99 – OTHER		265

MANUF. CD.		
3 – BAND CLAMP	51-DRESSER 53-SMITH BLAIR	406

CORROSION WORK

51 – INSTALL TEST LEAD & ANODE	951
52 – INSTALL ANODE	952
54 – B-BOX MAINTENANCE	954
56 – CLEAR SHORT	956
59 – INSULATE/REINSULATE	959
67 – OTHER CORROSION WORK	967

ON WHAT? (CIRCLE ONE)

35 – BELL JOINT
15 – MECHANICAL JOINT
6 – COMPRESSION COUPLING
13 – BROKEN MAIN
14 – CRACK AT TAP
31 – CORROSION HOLE IN MAIN
20 – VALVE
9 – DRIP/SYPHON
99 – OTHER

REASON FOR WORK (CIRCLE ONE)

1 – LEAK
3 – PUBLIC IMPROVEMENT
4 – CATHODIC PROTECTION
6 – THIRD PARTY DAMAGE
5 – OTHER

PRESSURE TEST INFO (REQUIRED for all installed piping)

INSTALLED PRE-TESTED PIPE: YES NO

PRE-TESTED PIPE CONTROL NO: [ ][ ][ ][ ][ ][ ][ ][ ]

PRESSURE TEST: YES NO PSI: _____ MINUTES: _____

RESTORATION SIZE	OPENING DESCRIPTION	
1 FT. X 1 FT.	[X] STREET [ ] ALLEY [ ] PKWY [ ] WALK [ ] INS-LL	[X] ASPH [ ] LAWN [ ] CONC [ ] DIRT
_____ FT. X _____ FT.	[ ] STREET [ ] ALLEY [ ] PKWY [ ] WALK [ ] INS-LL	[ ] ASPH [ ] LAWN [ ] CONC [ ] DIRT

DESCRIPTION OF WORK OR REMARKS

CREW REPORT

PREPARED BY	EMPLOYEE NUMBER	DATE
J. Burton	Intern	7-29-2010

FORM 216-A 4-10-07