

August 31, 2010

Mr. Tim Cavanaugh
City Of Chicago – Water Management
130 East Randolph, 22nd Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 77305285
Permit Address: 441 E. Ontario St.
AECOM Project No. 60102424

Dear Mr. Cavanaugh:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed to cut and seal a 3-inch water service line in Ohio Street approximately 397-feet west of Lake Shore Drive. AECOM provided the required radiation surveillance on August 19, 2010 for the excavation of a trench in E. Ohio Street to access the water main and shut off the water to the adjacent site at 441 E. Ontario St.

Surveying was performed for the asphalt, concrete, and soil removal for the excavations required for the disconnection of the water main. 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). AECOM personnel were responsible for radiological screening during the excavation activities. For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 17,522 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 5,200 cpm to a maximum of 9,200 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.

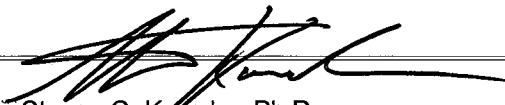
Finally, as part of the permit conditions, this letter has been forwarded to:

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
Staff Project Scientist


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

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

Attachments: Permit



City of Chicago
Richard M. Daley, Mayor

Department of Environment

Suzanne Malec-McKenna
Commissioner

2nd 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>

Permit No.

DIG # 773035285

Date

Site Address

441 E ONTARIO

Work Location (Describe exact site location and attach map)

441 E ONTARIO

Nature of Work

WATER REPAIR

Expected Start Date

8/19/2010

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.

Applicant Name (print) Barnett Murphy

Signature [Signature] Date 9/13/10

Company Dept of Water Management

Company Address / Phone No. 1600 cat ohio

Check if City Department Work Department Name Water

General / Prime Contractor N/A
Include subcontractor information if applicable

Address _____

Phone No. _____

Safety Officer / Phone No. STEVE KONDER

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

Department of Environment Approval / Date [Signature] 9/13/10

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

ACCOM PLISHED RADIATION
MONITORING FOR DWING

Revised June 18, 2010





**Type: Service Terminated (Water Dept. Use Only), 441 E
ONTARIO ST, NL01**



**Work order #: 10-01318795, 441 E ONTARIO ST, NL01
Status: Closed**

CSR Ticket #	10-01318795	Type	Emergency Work
Priority	3	Permit #	773872019
Assigned Truck	WD1303	Permit Exp. Date	
Digger #		Supervisor	CALDERONEMIA
Water Atlas Page #	256B	Crew Foreman	VILLASENORVIG
Ward #	42	Scheduled Start Date	8/19/10
Location	CDNE	Scheduled End Date	12/16/10
Dept./Fund	WATER	Activity	W601
Action	Restoration Needed	Failure	
Problem		Date Started	8/19/10 7:00 AM
Investigated by		Date Completed	8/19/10 1:59 PM
Total WO Cost	\$2,344.33		

Notes
Details: cut and seal 1-3" service ns of ohio 397' w of lake shore drive. B002010-0014 emergency dig#773035285 (applied central business district.)
Created By: 5920767
Updated By: 5513
Investigator: T-Kavanaugh

Break/Leak Repair Not Reqd

User Entered Comments:nl01-villasenor 8-19-10 complete
9am start, broke out a 5'x8' street - epa (aecom) jaclyn c. webb environment engineer (card attached) testing spoils as we loaded out, exposed gas main in our excavation. located & exposed 3" service paton connection s.o.w. at connection & plugged valve with 3" mj service, terminated backfilled and asphalted restored area. called to have barricades picked up.

DWM Work Required to Restore Area

Street Opening: YES
No. of Openings: 1
Alley: NO
Size 1: 5x8

Vendor Restore Comments:
material used:
(4) 5/8 x 4" nuts/bolts

Crew Foreman Sign.:		Asst. Superint. Sign.:	
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Booked Hours

Employee ID	Name	Trade	Rate Type	Rate	Date	Start	End	Hours	Cost
ANDERSONANJ	ANDERSON, ANDREW J	PLUMBER	N	44	8/19/10	07:00	13:59	6.98	307.12
CRUZLI	CRUZ, LINDA	MTD	N	30.7	8/19/10	07:00	13:59	6.98	214.29
GACEKJOJ	GACEK, JOHN J	LABORER-W	N	35.2	8/19/10	07:00	13:59	6.98	245.70
LAGIGLIOPHL	LAGIGLIO, PHILLIP L	MTD	N	30.7	8/19/10	07:00	13:59	6.98	214.29
LOVERDEMIR	LO VERDE, MICHAEL R	LABORER-W	N	35.2	8/19/10	07:00	13:59	6.98	245.70
MCDONALDJAJ	MC DONALD, JAMES J	HE	N	49.1	8/19/10	07:00	13:59	6.98	342.72
TASSONENIA	TASSONE, NICHOLAS A	LABORER-W	N	35.2	8/19/10	07:00	13:59	6.98	245.70
VILLASENORVIG	VILLASENOR, VICTOR G	FRMN-WPC	N	46	8/19/10	07:00	13:59	6.98	321.06
Total Labor Cost									2,136.58



**Type: Service Terminated (Water Dept. Use Only), 441 E
ONTARIO ST, NL01**
Work order #: 10-01318795, 441 E ONTARIO ST, NL01
Status: Closed



Material

Part #	Description	Date	Quantity	Unit Price	Total Price
6703962045	PLUGS, CI, MJ - 3"	8/24/10 9:13 AM	1.00	23.83	23.83
6705829109	GASKETS, RUBBER, MECHANICAL JOINT, PIPE - LEAD TIPPED GROUP A 3"	8/24/10 9:13 AM	1.00	1.28	1.28
7458728210	ASPHALT, PATCH, COLD, BULK	8/24/10 9:13 AM	2.00	54.04	108.09
7503548140	STONE, (CONCRETE). CRUSHED TIPS, BACK FILL, #CA16	8/24/10 9:13 AM	8.00	9.32	74.66
Total Material Cost					207.76

Rental Equipment / Utilites

Item # Description Hours Rate Total Cost

City Equipment

Item # Description Hours Rate Total Cost

Dump Truck

Item # Description Hours Rate Total Cost

Services

Item # Description Hours Rate Total Cost