

January 19, 2011

Ms. Michele Pisterzi  
AT&T  
2427 Union Street  
Blue Island, Illinois 60406

**Subject: Radiological Survey of Right-of-Way Utility Excavation  
Permit No. 782754658  
Permit Address: 201 East South Water Street  
AECOM Project No. 60163572**

Dear Ms. Pisterzi:

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 December 6–8, 2010 for the excavation a two excavation openings: an approximately 10 foot by 6 foot excavation to a depth of 3 feet below ground surface (bgs); and an approximately 3 foot by 3 foot excavation to a depth of 3 feet bgs to install telecommunications utility lines 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 telecommunications utility lines. An approximately 10 foot by 6 foot area was saw cut into the asphalt and concrete surface, exposing the structural backfill material located below. After asphalt and concrete were removed, the installation contractor, Western Utility, utilized a backhoe to remove subsurface soils to expose the telecommunication utility installation area. Soils removed from the excavation were taken off-site to a nearby Western Utility facility for proper disposal. AECOM monitored the excavation in increments/lifts of approximately 15-inches to a depth of approximately 3-feet.

An additional excavation trench was required for proper installation of the telecommunications utility lines. An approximately 3 foot by 3 foot area was saw cut into the asphalt and concrete surface, exposing the structural backfill material located below. After asphalt and concrete were removed, the installation contractor utilized a backhoe to remove subsurface soils to expose the telecommunication utility installation area. Soils removed from the excavation were taken off-site to a nearby Western Utility facility for proper disposal. AECOM monitored the excavation in increments/lifts of approximately 15-inches to a depth of approximately 3-feet.

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). For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 18,617 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 7,234 cpm to a maximum of 9,872 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, 25<sup>th</sup> Floor  
Chicago, Illinois 60602

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

Regards,



Bryant K. Williams  
Environmental Scientist



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

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

Attachment A Permit

**Attachment A**

**Permit**

# Transmission Report

Date/Time  
Local ID 1  
Local ID 2

12-02-2010  
1234

09:45:43 a.m.

Transmit Header Text  
Local Name 1                      abcd  
Local Name 2

This document : Confirmed  
(reduced sample and details below)  
Document size : 8.5"x11"



City of Chicago  
Richard M. Daley, Mayor  
Department of Environment

Twenty-Fifth Floor  
30 North LaSalle Street  
Chicago, Illinois 60602-2375  
(312) 744-7606 (Voice)  
(312) 744-4451 (FAX)  
(312) 744-3186 (TTY)  
<http://www.cityofchicago.org>

Permit No.  
782 754658

Date  
12-2-2010

Site Address  
201-202 E. SOUTH WATER ST (Sub level)

Work Location (describe exact site location)

Dig in curb/Traffic Lane @ 201-203 E SOUTH WATER ST

Nature of Work

Dig (2) openings in C/T Lane - (1) 4x4 (1) Trench 10'x3'x3'



## CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT FORM NO. DOE.ROW.01

Notice is hereby given that the site you have requested information on 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 (8:30 AM - 4:30 PM, Monday through Friday). Contact Rhamat Begum at (312) 744-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued. 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 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) 424-8902.

Signature Michelle Pistoreri

Name (print) Michelle Pistoreri

Company AT&T

Address 2427 Union Blue Island, IL 60406

Phone No. 708 824 2817 / FAX 708 824 2808

Prime Contractor/Contact Steve Korndor @ AE.com

Address 302 East Wacker Dr Chicago IL

Phone 312-938-0300

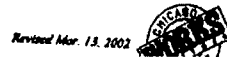
Safety Officer/Phone Same as

Radiation Contractor/Phone (if applicable) Above

Signed by Department of Environment \_\_\_\_\_

Date \_\_\_\_\_

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).



Total Pages Scanned : 1

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No.	Job	Remote Station	Start Time	Duration	Pages	Line	Mode	Job Type	Results
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Abbreviations:

HS: Host send

HR: Host receive

WS: Waiting send

PL: Polled local

PR: Polled remote

MS: Mailbox save

MP: Mailbox print

CP: Completed

FA: Fall

TU: Terminated by user

TS: Terminated by system

RP: Report

G3: Group 3

EC: Error Correct

**AECOM**

PROJECT

Radiological Survey 12/697/10

JOB NO.

601035T2

SUBJECT

201 E S. Water Per. No. 782754658

CALC. NO.

DATE

12/6/10

BY

SOX

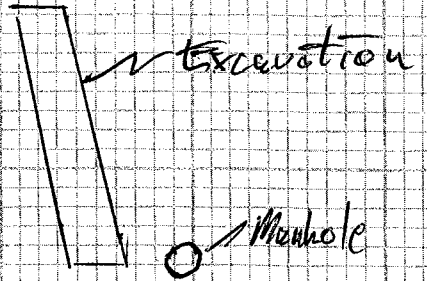
CHECKED BY

REV. NO.

1

Setson

E South Water



Not to Scale