

January 19, 2011

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

**Subject: Radiological Survey of Right-of-Way Utility Excavation**  
**Permit No. 782754696**  
**Permit Address: 300 Lower East Randolph 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 17<sup>th</sup> and 18<sup>th</sup>, 2010 for the excavation of transformer pad and trenches extending from the southeast corner of Lower East Randolph and Lower Columbus Drive to approximately the centerline of Lower Columbus Drive on the northern side of the intersection (refer to Figure 1).

Surveying was performed for the asphalt, concrete, and soil removal for the excavations required for the installation of the transformer pad and utility conduit. The transformer pad was located on the southeast corner and was approximately 6-feet by 25-feet with a maximum depth of 3-feet. The trenches were approximately 3-feet wide and ranged in depth from 3 to 8-feet. The trenches extend north across Lower East Randolph and then angled northwest toward the centerline of Lower Columbus Drive. The trench depth ranged from 3-feet near the transformer pad to 6-8 feet at the center of Lower East Randolph.

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 Nal probe (Model 44-10). Two instruments were used during the multi-day trenching effort. For the instrument used, the gamma counts indicative of the 7.1 pCi/g threshold was 18,617 and 19,435 counts per minute (cpm) unshielded.

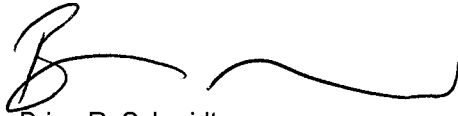
The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold values previously stated and generally ranged from 4,050 cpm to 9,690 cpm with the unshielded probe. To reduce the influence of the excavation sidewalls on the instrumentation, readings taken near the bottom of the trench in some locations were made with a shielded probe. The maximum readings observed with a shielded probe were within the trench excavation where grey native clay was encountered was overlain by cinder and ash containing fill materials. In any case, the shielded and unshielded gamma readings did not indicate of the presence of radiologically-impacted material 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,



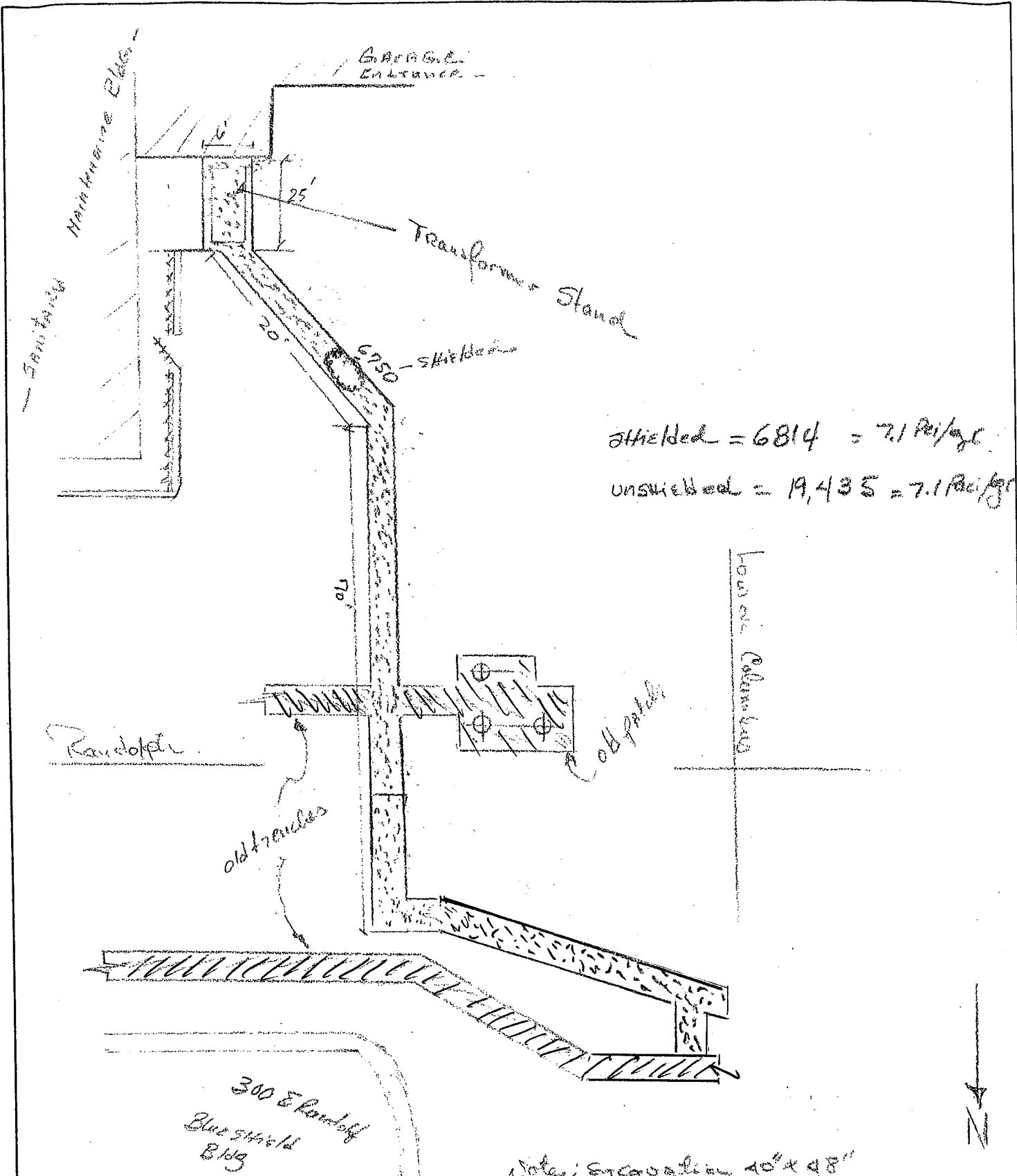
Brian R. Schmidt  
Environmental Scientist



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

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

Attachment A Permit



shielded = 6814 = 7.1 Pci/yr  
 unshielded = 19,435 = 7.1 Pci/yr

Note: Excavation 40" x 48"

PROJECT ATT & Edison - Utilities Trenches			FIGURE NO. 1
SUBJECT Location & Survey Limits			JOB NO. 60163572
DATE JUL 13/13/10	DRAWN BY DUNAST. GUERRA	APPROVED BY SK	SCALE N.T.S

82638

**Attachment A**

**Permit**

# Transmission Report

Date/Time  
Local ID 1  
Local ID 2

12-14-2010  
1234

02:01:01 p.m.

Transmit Header Text  
Local Name 1  
Local Name 2

abcd

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

Dec 14 10 04:46p

Dept of Environment

3127447201

P.1

1234

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01:06 19 p.m. 12- 4-2010

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City of Chicago  
Richard M. Daley, Mayor

Department of Environment

Twenty-fifth Floor  
30 North LaSalle Street  
Chicago, Illinois 60602-2573  
(312) 744-3000 (Voice)  
(312) 744-4431 (FAX)  
(312) 744-3996 (TTY)

http://www.cityofchicago.org

Permit No.  
TR2754696

Date  
12-14-2010

Site Address  
200-201 E. Lower  
Randolph St

Work Location (describe  
exact site location)  
See below

Nature of Work  
Trench 110'x15'x2'  
in intersection @  
1325-1331 N Columbus/  
308-201 E Lower  
Randolph  
Dig 2 pits @ same loc  
Digs 11'x15' in  
@ sidewalk @ 1325 N  
Columbus Cr.

IL4480/  
7873872



## 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 North LaSalle St., 25th Floor, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday). Contact Rhonda Begun at (312) 744-3132 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 understood the documents, as obtained 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) 424-9302.

Signature Michelle Pistorzi

Name (print) Michelle Pistorzi

Company AT&T

Address 2427 Union Blue Islands, IL

Phone No. 708 824 8817

Prime Contractor/Contact Aecom / Steve Kornder

Address 1178 Ravenspire Circle Chicago, IL

Phone 847-243-6007 (cell phone)

Safety Officer/Phone Steve Kornder (AECOM)

Radiation Contractor/  
Phone (if applicable) 847 243 6007

Signed by Department of Environment Rhonda Begun

Date 12/14/2010

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).

Revised 6/1/2002



Total Pages Scanned : 1

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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: Fail

TU: Terminated by user  
TS: Terminated by system  
RP: Report

G3: Group 3  
EC: Error Correct