

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. 784189079  
Permit Address: 386 – 400 East Monroe 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 15<sup>th</sup> and 16<sup>th</sup>, 2010 for the excavation of two trenches – one extending from west to the east, approximately 25 feet by 2 feet to a depth of approximately 3 feet and one trench extending from north to south, approximately 35 feet by 2 feet to a depth of approximately 3 feet; 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. As described above, two trenches were excavated – one extending from west to the east, approximately 25 feet by 2 feet to a depth of approximately 3 feet and one trench extending from north to south, approximately 35 feet by 2 feet to a depth of approximately 3 feet, by the installation contractor, Western Utility, using a backhoe and a horizontal drill rig. Where necessary, asphalt and concrete were saw cut and removed to expose subsurface soils. AECOM surveyed the in-situ excavation soils in 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 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 ranged from a minimum of 4,867 cpm to a maximum of 7,351 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**

312 744-7201

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

Emld  
12/13  
to Carolina



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

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>

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 301 North 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.

Permit No. 784189079

Date 12-8-10

Site Address 386-400 E. Monroe

Work Location (describe exact site location)

Trench approx  
5'x3'x3'-11"  
North sidewalk

Nature of Work

To Place  
conduit

UT 7816582  
EL4488

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) 424-8802.

Signature Michele Pistorzi  
Name (print) Michele Pistorzi  
Company Reliable / AT+T  
Address same as below  
Phone No. 708-824-2817

Prime Contractor/Contact Michele Pistorzi  
Address 2427 Union Blue Island T  
Phone 708-824-2817 / 708-824-2808  
Safety Officer/Phone Steve Koender  
Radiation Contractor/  
Phone (if applicable) 842 277-2448

Signed by Department of Environment Rhamat Begum  
Date 12/9/2010

Please return this completed form to the City of Chicago Department of Transportation at 301 North LaSalle St., Room 1101, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).

# 784189079



**AECOM**

PROJECT

Radiological Survey AT&T

JOB NO.

60163572

SUBJECT

Monroe + Lake Shore Dr

CALC. NO.

DATE

12/15/16/10

BY

SCR

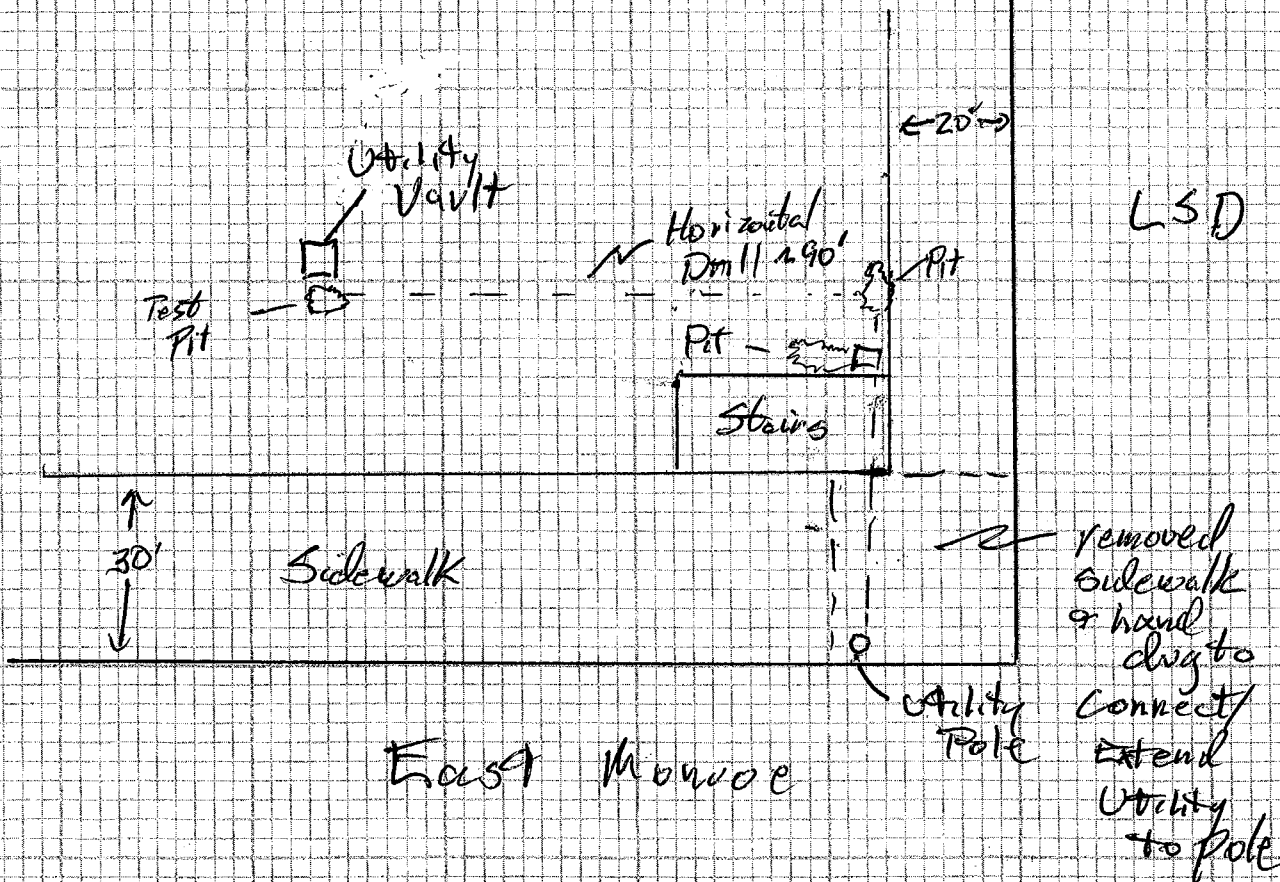
CHECKED BY

REV. NO.

1

Meter CS02A  
Unshielded 19,435 cpm

↑ N



Not to Scale