

November 22, 2010

Mr. Kevin Wilhelm  
Melcomm Inc.  
100 Lincoln Wood Court  
Spring Grove, IL 60081

**Subject: Radiological Survey of Right-of-Way Utility Excavation  
Permit No 780887102  
Permit Address: 165 East Ontario Avenue  
AECOM Project No 60188656**

Dear Mr. Wilhelm:

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 November 15, 2010 for the excavation a single 37 foot by two foot excavation opening to install underground communication utility equipment.

Surveying was performed for the asphalt, concrete, and soil removal for the excavations required for the installation of underground communications utility equipment. A thirty-seven foot by two foot area was saw cut into the asphalt and concrete surface, exposing the structural backfill material located below to a final depth of approximately 30 inches below ground surface. Documentation of the excavation location provided by Melcomm can be found in Attachment B. After asphalt and concrete were removed, the spoils were taken to a Melcomm facility for proper disposal. AECOM proceeded to monitor the soils in increments of approximately 15-inches to a depth of approximately 30 inches below ground surface.

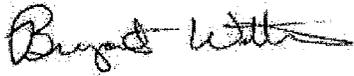
The monitoring revealed no indication of soils above the specified clean-up threshold established by the United States Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA threshold for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g total radium (Ra-226 + 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 short cord. 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 2,150 cpm to a maximum of 6,270 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 B Excavation Location

**Attachment A**

**Permit**



CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT  
FORM NO. DOE.ROW.03

City of Chicago  
Richard M. Daley, Mayor

Department of Environment

Suzanne Matic-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

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 11-120, 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

Permit No. 180887102

Date 11/4/10

RADIATION

Site Address

Work Location (Describe exact site location and attach map)

165 E. Ontario  
600-614 N.  
ST. CLAIR

Nature of Work Conduct Test

Expected Start Date ASAP

Applicant Name (print) NICOLE ESPINOZA for RCN - John Pyka

Signature [Signature] Date 11-4-10

Company ARC Engineering

Company Address / Phone No. 921 W. Van Buren 312.432.0716

Check if City Department Work  Department Name \_\_\_\_\_

General / Prime Contractor MELCOMM, Inc - Kevin  
*Include subcontractor information if applicable*

Address 100 - ~~100~~ Lincolnwood Ct, Spring Grove, IL

Phone No. 312.656.9073 60081

Safety Officer / Phone No. \_\_\_\_\_

Radiation Contractor / Phone No. (if applicable) STS Consultants 847-279-~~5426~~

Department of Environment Approval / Date Rahmatunisa Begum 2500 10/4/2010

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)

For DOE Use Only



Revised June 18, 2010

**Attachment B**

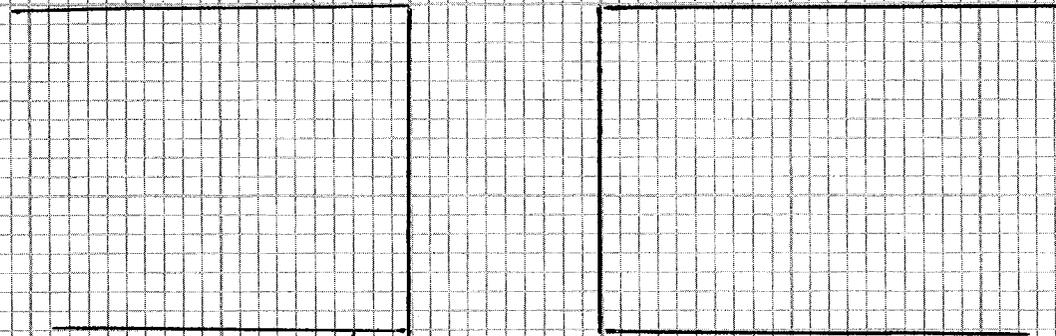
**Excavation Location**

**AECOM**

PROJECT <i>Melcomm Inc</i>		JOB NO. <i>60188636</i>
SUBJECT <i>Radiological Screening - 165 E Ontario</i>		CALC. NO.
DATE <i>11/15/10</i>	BY <i>BKW</i>	CHECKED BY <i>SCR</i>
		REV. NO. <i>1</i>

↑ North

*E Ontario*



*Alley*

*Trench  
37x12*

*Manhole*

*ST Clear*

*E Ohio St*

*Not to Scale*