



AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

April 5, 2012

Mr. Steve Hoffman
City Lights
936 W. 40th St.
Chicago, IL 60609

US EPA RECORDS CENTER REGION 5



434746

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 254181399, Permit Address: 440 E. Ohio St.
AECOM Project No. 60164013

Dear Mr. Hoffman:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation monitoring on the day of April 3, 2012 for a trench excavation to install a fire alarm and emergency communications line.

Surveying was conducted in 18-inch lifts for soils removed from an approximately 3-foot wide by 46-foot long trench excavation to a depth of approximately 36-inches in the Right of Way (see sketch), required for the installation of a fire alarm and emergency communications line. Also a 4-foot by 5-foot excavation was conducted within the sidewalk area for installation of a manhole (see sketch) adjacent to the trench excavation, to a depth of approximately 48-inches. 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 cleanup value 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 a Ludlum Model 2221 survey meter and an unshielded 2 x 2 NaI probe (Model 44-10). For the instrument used, the gamma count equivalent to the 7.1 pCi/g cleanup value was 19,969 counts per minute (cpm) unshielded (7,127 cpm shielded). The field gamma background for the area was measured at approximately 6,400 cpm unshielded. The field gamma measurements within the excavation, and of the spoil materials generated during the excavation process, did not exceed the instrument threshold equivalent to the USEPA cleanup value previously stated. Field measurements ranged from a minimum of 6,700 cpm to a maximum of 13,100 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

As part of the permit conditions this letter has been forwarded to:

Chicago Department of Environment
Attention: Ms. Rahmat Begum
333 S. State Street, 2nd Floor
Chicago, Illinois 60603

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

Regards,

Brian R. Schmidt
Project Scientist II

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

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

Attachments: Permit
Sketch



City of Chicago
Richard M. Daley, Mayor

Department of Environment

Sadhu A. Johnston
Commissioner

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>

Permit No. 254181399

Date 2-13-12

Site Address 440 E. OHIO

Work Location (Describe exact site location and attach map)

NORTH EAST
QUADRANT

Nature of Work
INSTALL HANDRAILS
+ CONDUIT FOR
OEMC

Expected Start Date
ASAP



CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT FORM NO. DOE.ROW.02

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 30 N. LaSalle St., 25th Floor, 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) STEVE HOFFMAN

Signature Steve Hoffman Date 2-10-12

Company CITY LIGHTS LTD

Company Address / Phone No. 9993 S. VIRGINIA

Check if City Department Work Department Name OEMC

General / Prime Contractor CITY LIGHTS LTD
Include subcontractor information if applicable

Address 9993 S. VIRGINIA

Phone No. 773-617-5050

Safety Officer / Phone No. MARK CAJDEKARIA

Radiation Contractor / Phone No. (if applicable) AE Com. 847-343-6007

Department of Environment Approval / Date Rabunna Beyer

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



Calculation Sheet

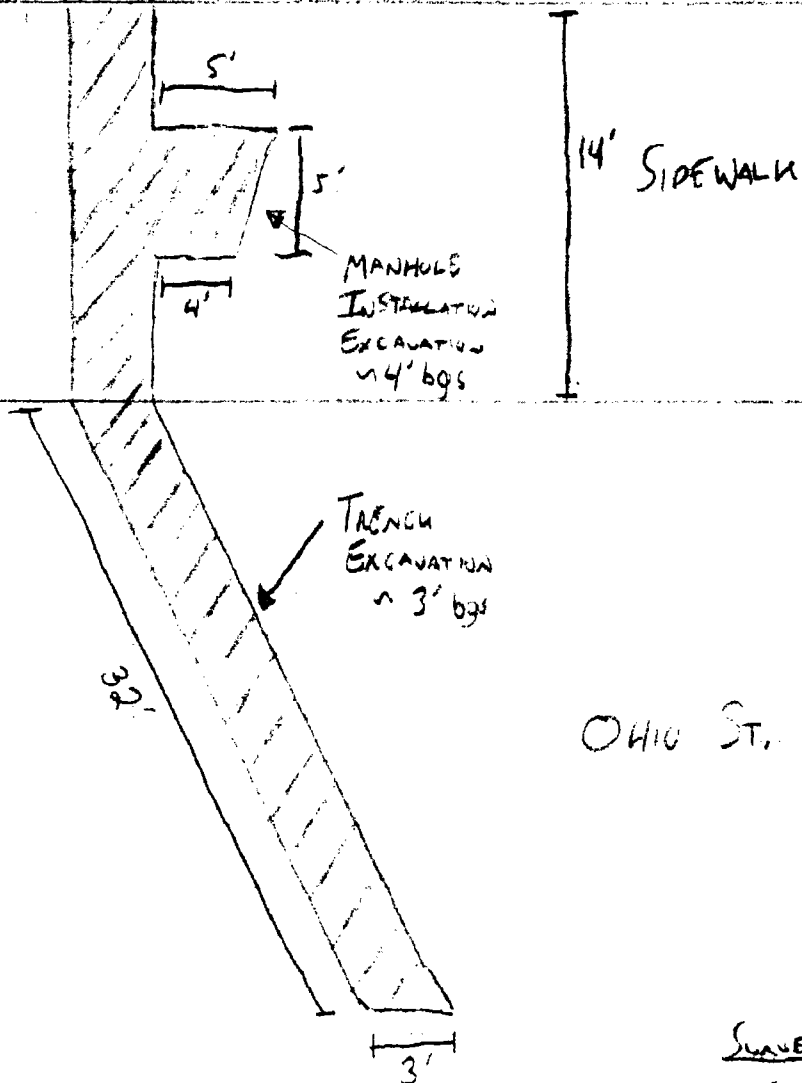
Project CITY LIGHTS 440 E. OHIO ST				Subject ROW RADIOLOGICAL SOIL SURVEY		
Originated By BRS	Date 4/3/12	Checked By BRS	Date 4/3/12	Job No.	Scale N/A	Sheet No. 1 of 1

↑ N

41'

← PROPERTY LINE

441 E. ONTARIO BUILDING



SURVEY VALUES

TRENCH EXCAVATION

SURVEY VALUES

MANHOLE INSTALLATION EXCAVATION

DEPTH	COUNTS PER MINUTE
0-12"	6,700
12-36"	9,400
36-54"	10,600
48-66"	12,200

DEPTH	COUNTS PER MINUTE
0-12"	ASPHALT & CONCRETE
12-30"	8,800
30-48"	12,800
36"-54"	13,100

*- INSTALLATION OF FIRE ALARM & EMERGENCY SERVICE LINES