



AECOM
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Chicago, Illinois 60601

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August 20, 2014

Mr. Michael Vergamini
ARCADIS, US, Inc.
Senior Program Manager
120 S. LaSalle Street, Suite 1350
Chicago, IL 60603

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 471397349
Permit Address: 630-631 North McClurg Court
AECOM Project No. 60305263

Dear Mr. Vergamini:

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 between the days of August 8-15, 2014 for an excavation to install an electrical service package.

Surveying was conducted in 18-inch lifts for soils removed from a 5-foot wide by 186-foot long excavation to a depth of 72-inches underneath an existing sidewalk along Erie Street and a 5-foot wide by 24-foot long trench excavation to a depth of 48 to 72-inches in the Right of Way near the intersection of E. Erie Street and N. McClurg Court (see sketch), required for the installation of an electrical service package. There were also 2 abandoned test pits completed within the Right of Way intersection of E. Erie Street and N. McClurg Court, one measuring 4-foot wide by 13-foot long to a depth of 4-foot below ground surface (bgs) and the other measuring 4-foot wide by 10-foot long (to a depth of 1-foot bgs).

The trench excavation work in the N. McClurg Court ROW between the curb and the vault was extremely tedious and required the use of vacuum excavation techniques as well as a several days of hand digging because of the presence of numerous utility lines that crisscrossed the proposed trench for the new duct bank. In this area, the new service passed above a gas main located at 6.5-feet bgs and the numerous other utilities located between 2 and 4-feet bgs.

The gamma monitoring revealed no indication of fill soils above the clean-up value 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 inch sodium iodide (NaI) probe (Model 44-10). For the instrument used, the gamma count threshold equivalent to the 7.1 pCi/g cleanup value was 17,390 counts per minute (cpm) unshielded (5,799 cpm shielded).

The field gamma background for the area was measured at approximately 7,100 cpm unshielded. Field gamma measurements greater than twice the background count are considered anomalous results that potentially may indicate that contaminated fill soil is in close proximity to the excavation. When observed these anomalous results require more cautious and frequent field screening, but are not necessarily indications of the presence of thorium contaminated fill soil. Specifically, there are naturally materials such as granite, clay and brick that may be above twice background. In any case, the field gamma measurements within the excavation and for the spoil materials generated during the excavation process did not exceed twice background or the field instrument threshold equivalent to the USEPA cleanup value. The field gamma counts ranged from a minimum of 6,900 cpm to a maximum of 13,000 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

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

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

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

PERMIT

Permit # 471397349

AMENDED



Received Date: Aug 1, 2014 12:23:47

**COMMONWEALTH EDISON CO
440 S. LASALLE STREET
ROOM 3300
CHICAGO, IL 60605**

**City of Chicago
Department of Transportation
(312) 744-4652**

GLENN YEAGER 312-617-6913

ACTIVITY HOURS
See **RESTRICTIONS** for permitted hours
DATES
Aug 7, 2014 through Aug 21, 2014

ACTIVITIES
Street Opening (Curb Lane, Parkway, Sidewalk): Dig #: *4718/3569*
There will be 1 opening(s) in the public way for the purpose: CONDUIT *8/8/14*
INSTALLATION. *9:00AM.*
100 Feet x 4 Feet x 6 Feet
Excavation may commence on - NO SOONER.
630 - 651 N MCCLURG CT
SUBCONTRACTOR: MEADE ELECTRIC
300 - 399 E ERIE ST
400 - 401 E ERIE ST
** MUST MAINTAIN ONE LANE IN EACH DIRECTION W/FLAGGERS ON
MCCLURG MUST MAINTAIN ONE EASTBOUND LANE OF TRAFFIC ON
ERIE **

Street Opening (Curb Lane, Parkway, Sidewalk):

Dig #: TBD

*** HOURS OF OPERATION ARE FROM 8:00 AM TO 8:00 PM ***

Restrictions:

1. A copy of the permit must remain on-site for inspector's review.
2. Permit fees must be paid within 24 hours of the date of issuance. Failure to pay will result in you being considered in violation of the terms and agreement of the permit and subject to any applicable fine and fees as if you never attained a permit. Additionally, you will still be responsible for the cost of the original permit. Monthly billing accounts are not applicable to the 24 hour payment criteria but failure to pay the monthly bill by the due date will result in the same penalties applying.
3. All directional boring must be pre-approved by the Office of Underground Coordination.
4. Contractor must secure plating over all openings in the roadway and secure all sidewalk/parkway openings during non-working hours until such time when the road surface is restored.
5. All traffic control will be the responsibility of the contractor and must comply with all MUTCD standards.
6. Work permitted only between 8:00 AM and 8:00 PM.
7. Restore all lanes to normal operation during non-working hours.
8. Must use flagmen and/or arrow boards to maintain traffic operations through the work zone.
9. Contractor must notify DIGGER at 312-744-7000 no less than 48 hours (exclusive of Saturdays, Sundays and Holidays) but no more than 14 calendar days in advance of the start of the excavation or demolition, unless the excavation date was provided with the application and remains unchanged. Prior to 26 calendar days the Contractor must notify DIGGER to renewal the dig date!
10. It is the Excavator's responsibility to request refreshing of marks when needed, but no longer than 28 calendar days after the last requested date.
11. When applicable, all excavation areas are to be clearly marked in safety white paint prior to calling DIGGER. White paint is not required for joint meets or emergency work.
12. Excavators requesting dig tickets are responsible for the protection of utility markings at the job site. Any markings of underground utilities utilizing utility colors, must be done by facility owners or authorized agents only.
13. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
14. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
15. All pavements and pavement markings are to be restored in accordance with CDOT Construction Standards.


Affected CUAN Sites: 7, 15, 18, 21, 22, 24, 28, 29, 31, 34, 36, 38, 53, 61, 68, 70, 73, 79, 86, 141, 147

EFFECTIVE DATES OF PERMIT

Current: Aug 07, 2014 through Aug 21, 2014 (Input date: Aug 01, 2014 12:23:47 p.m.)

END OF PERMIT

5227252702

	<p>Query Value: 471813569</p>
GENERAL INFORMATION	
Activity Description	Dig Notice - Non Permitted -
Dig Number	471813569
Permit Number	[Non-Permitted]
Amended Dig Notice?	No
Activity Comment	N/A
CONTACT INFORMATION	
Contact Person Name	BREND UZZARDO
Contact Person Phone Number	708-588-2518
Company Name	MEADE INC.
DATE INFORMATION	
Dig Notice Creation Date	AUG 06, 2014 08:28 AM
Dig Date	AUG 08, 2014 08:28 AM
Dig Notice Expiration Date	SEP 03, 2014 08:28 AM (NOTE: Dig Ticket is voided if work does not commence before AUG 20, 2014)
Less than 48 Hours Notice?	No
LOCATION INFORMATION	
Latest Locations	<p>300-401 E ERIE ST - Ward (42) Map It! 630-651 N MCCLURG CT - Ward (42) Map It!</p> <p>MEADE IS SUB-CONTRACTING FOR COMMONWEALTH EDISON UNDER THE PERMIT NO. 471397349 LOCATE IN THE STREET(CURBLANE), SIDEWALK AND PARKWAY AT THE ABOVE ADDRESS, WORK WILL BE INSTALLING CONDUIT, ANY QUESTIONS PLEASE CONTACT BRENDA UZZARDO AT 708-588-2518, FAX NO. 708-588-2551.</p>
Location History	N/A
Distributed To	7, 15, 18, 21, 22, 24, 28, 29, 31, 34, 36, 38, 53, 61, 68, 70, 73, 79, 86, 141, 147

Viewing Notice Created on 08/06/2014 at 08:28 AM

SKETCH

