AECOM
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Chicago, Illinois 60601

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January 23, 2012

Mr. Willie Thomas
Commonwealth Edison
Senior Environmental Coordinator
Three Lincoln Centre, 3rd Floor
Oakbrook Terrace, IL 60181

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 184765912
Permit Address: 200 East Illinois Street
AECOM Project No. 60240639

Dear Mr. Thomas:

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 December 13, 2011 for an excavation to repair an existing electrical service package.

Surveying was conducted in 18-inch lifts for soils removed from a 9-foot wide by 8-foot long excavation to a depth of 4-feet (See Sketch), required for the repair of an existing electrical service package. 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 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 a 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 19,969 counts per minute (cpm) unshielded (7,127 cpm shielded). The field gamma background for the area was measured at approximately 5,300 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold value previously stated and ranged from a minimum of 7,100 cpm to a maximum of 9,400 cpm unshielded. 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.

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

Chicago Department of Environment
Attention: Ms. Rahmat Begum
30 North LaSalle Street, 2nd Floor
Chicago, Illinois 60602

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 # 184765912

Received Date: Dec 13, 2011 2:7:54

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

JIM TORRES 312-394-3260

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

ACTIVITY HOURS

See RESTRICTIONS for permitted hours

DATES

Dec 13, 2011 through Dec 30, 2011

ACTIVITIES

Street Opening (Curb Lane, Parkway, Sidewalk): **Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: CONDUIT REPAIR.

12 Feet x 20 Feet x 5 Feet

Excavation may commence on - NO SOONER.

501 - 529 N ST CLAIR ST

PERMIT RELEASE OK'D PER RHAMAT DECEMBER 13,2011.
WORKING HOURS 24/7
BEHIND EXISTING BARRICADE

530 - 531 N ST CLAIR ST

Restrictions:

1. A copy of the permit must remain on-site for inspector's review.

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Restrictions:

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. Restore all lanes to normal operation during non-working hours.
7. Must use flagmen and/or arrow boards to maintain traffic operations through the work zone.
8. Contractor must notify DIGGER at 312-744-7000 no less then 48 hours (exclusive of Saturdays, Sundays and Holidays) but no more then 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!
9. 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.
10. 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.
11. 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.
12. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
13. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
14. All pavements and pavement markings are to be restored in accordance with CDOT Construction Standards.
15. All street openings must be restored with concrete base to grade.
16. Work to be performed as per plans and specifications.
17. Use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
18. Maintain pedestrian and vehicular traffic at all times.
19. Pavement opening to be backfilled to grade/or plated during off work hours.
20. Parkway excavation by hand, cut and replace sod wherever possible.
21. Permittee to provide all barricades, signs and/or flagmen as necessary.
22. Sidewalk pavement broken by hand or with pneumatic hammer only.
23. Contractors to post signs to indicate: BIKE LANE CLOSED - SHARED LANE YIELD TO

Restrictions:

BIKES.

It is also the permit holder's responsibility to restore to original condition any damage to any bikeway, including replacement pavement markings and signage. You must contact Ben Gomberg (312) 744-8093 48 hours in advance of any activity.

24. No work in or use of the public right of way is to be done when a special event is taking place. It is up to the applicant to determine if an event is scheduled. To obtain a listing of programs or events within the City of Chicago please dial 311 when you are within the City boundaries.
25. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
26. Pursuit to City Ordinances 10-20-150 and 10-28-281.3 a re-inspection fee of $100 may be assessed for each inspection conducted after the initial inspection.
27. All metal plates used for public way construction or placed within the right-of-way must indicate Ownership!

Affected CUAN Sites: 7, 15, 18, 21, 22, 24, 28, 29, 31, 34, 35, 36, 38, 53, 61, 68, 70, 141, 147

EFFECTIVE DATES OF PERMIT

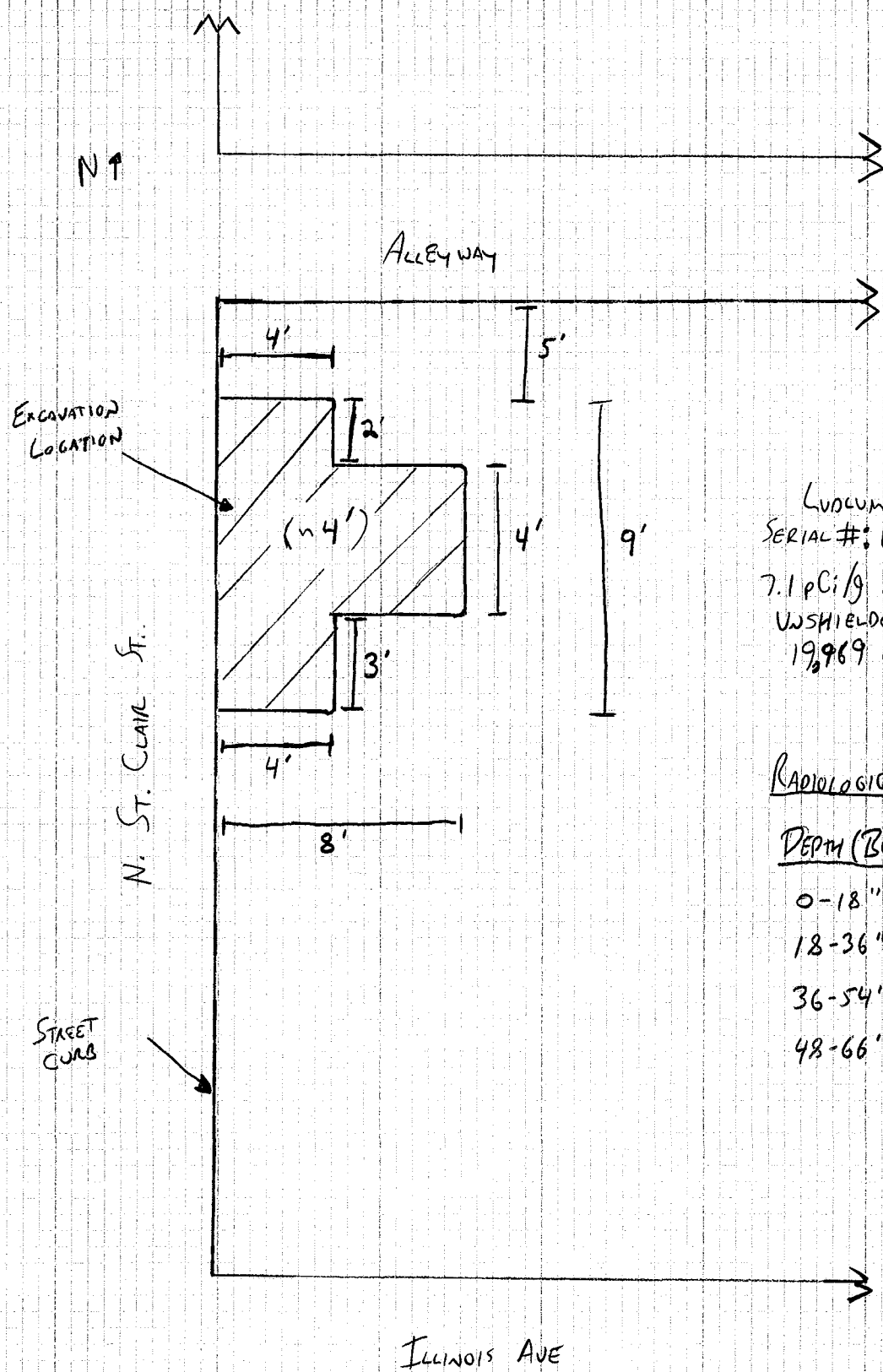
Current: Dec 13, 2011 through Dec 30, 2011 (Input date: Dec 13, 2011 2:07:54 p.m.)

END OF PERMIT

AECOM

Calculation Sheet

Project				Subject		
200 E. Illinois Ave				200 E. Illinois Ave ROW Rad Survey		
Originated By	Date	Checked By	Date	Job No.	Scale	Sheet No. 1 Of 1
BB	12/13/11	BB	12/13/11	60240639	N/A	



Ludlum-2221
Serial #: 176944
7.1 pCi/g Action Level
Unshielded Cutoff Value = 19,969 cpm

Radiological Survey Values

Depth (BGS)	Counts Per Minute
0-18"	7,100
18-36"	8,900
36-54"	8,600
48-66"	9,400