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

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

November 12, 2012

Mr. Narendra Prasad
Peoples Gas Light & Coke Co.
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 279279460
Permit Address: 499 E. Illinois Street
AECOM Project No. 60157647

Dear Mr. Prasad:

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 November 8, 2012 for a trench excavation to provide natural gas service to a proposed building currently under construction at 499 E. Illinois Street.

Surveying was conducted in 18-inch lifts for soils removed from an excavation in the E. Illinois Street Right of Way (see attached sketch). The excavation was performed on November 8, 2012 and was monitored to a depth of approximately 48 inches below ground surface. The monitoring revealed no indication of soils above the specified 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 NaI probe (Model 44-10). For the instrument used, the gamma count threshold equivalent to the 7.1 pCi/g cleanup value is 19,969 counts per minute (cpm) unshielded (7,127 cpm shielded). The field gamma measurements within the excavation and of the spoil material generated during the excavation process did not exceed the respective field instrument threshold value previously stated and maximum values observed at each lift ranged from approximately 10,700 to 12,600 cpm unshielded. The field gamma background for the area was measured at approximately 6,800 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated soil 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 Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Rm. 200
Chicago, Illinois 60604

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

Regards,

Dan McHale
Senior Project Hydrogeologist

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

cc: Rahmat Begum, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

Permit # 279279460

Received Date: Oct 18, 2012 12:38:33

PEOPLES GAS LIGHT & COKE CO
130 EAST RANDOLPH DRIVE
CHICAGO, IL 60601

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

NIELSEN 773-542-7830

ACTIVITY HOURS

Start no earlier than 9 AM. Stop no later than 4 PM. - Sidewalk & Parkway Opening(s)

DATES

Oct 18, 2012 through Nov 15, 2012

ACTIVITIES

Sidewalk & Parkway Opening(s): **Dig #: TBD**

There will be 1 for the purpose of CORROSION FOR TEST STATION AND ANODE.

3 Feet x 3 Feet x 5 Feet.

Excavation may commence on - NO SOONER.

499 E ILLINOIS ST

WORK TO BE PERFORMED BY: MEADE ELECTRIC

MUST BE RESTORED BY NOV 16, 2012 TO CDOT STANDARDS
OK M SIMON

OK TO RELEASE PER RAHMAT BEGUM ON 10/31/12

Restrictions:

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

5206624370

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. 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!
6. 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.
7. 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.
8. 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.
9. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
10. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
11. All pavements and pavement markings are to be restored in accordance with CDOT Construction Standards.
12. Work to be performed as per plans and specifications.
13. Use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
14. Maintain pedestrian traffic at all times.
15. Pavement opening to be backfilled to grade/or plated during off work hours.
16. Parkway excavation by hand, cut and replace sod wherever possible.
17. Permittee to provide all barricades, signs and/or flagmen as necessary.
18. Sidewalk pavement broken by hand or with pneumatic hammer only.
19. 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.
20. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
21. 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.

Sidewalk & Parkway Opening(s)

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11-01-2012 - Fee Pavement Opening
CBD:     Y  Cost Per EA: $        391.00  CAPS:                300-84-2135-256
Tiered:  N  # Of EA:                1.00  Late charge: $                  .00
Mora:    N                                Amount:      $               391.00
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Total Fees: $ 391.00

Grand Total Fees: $ 391.00

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

EFFECTIVE DATES OF PERMIT

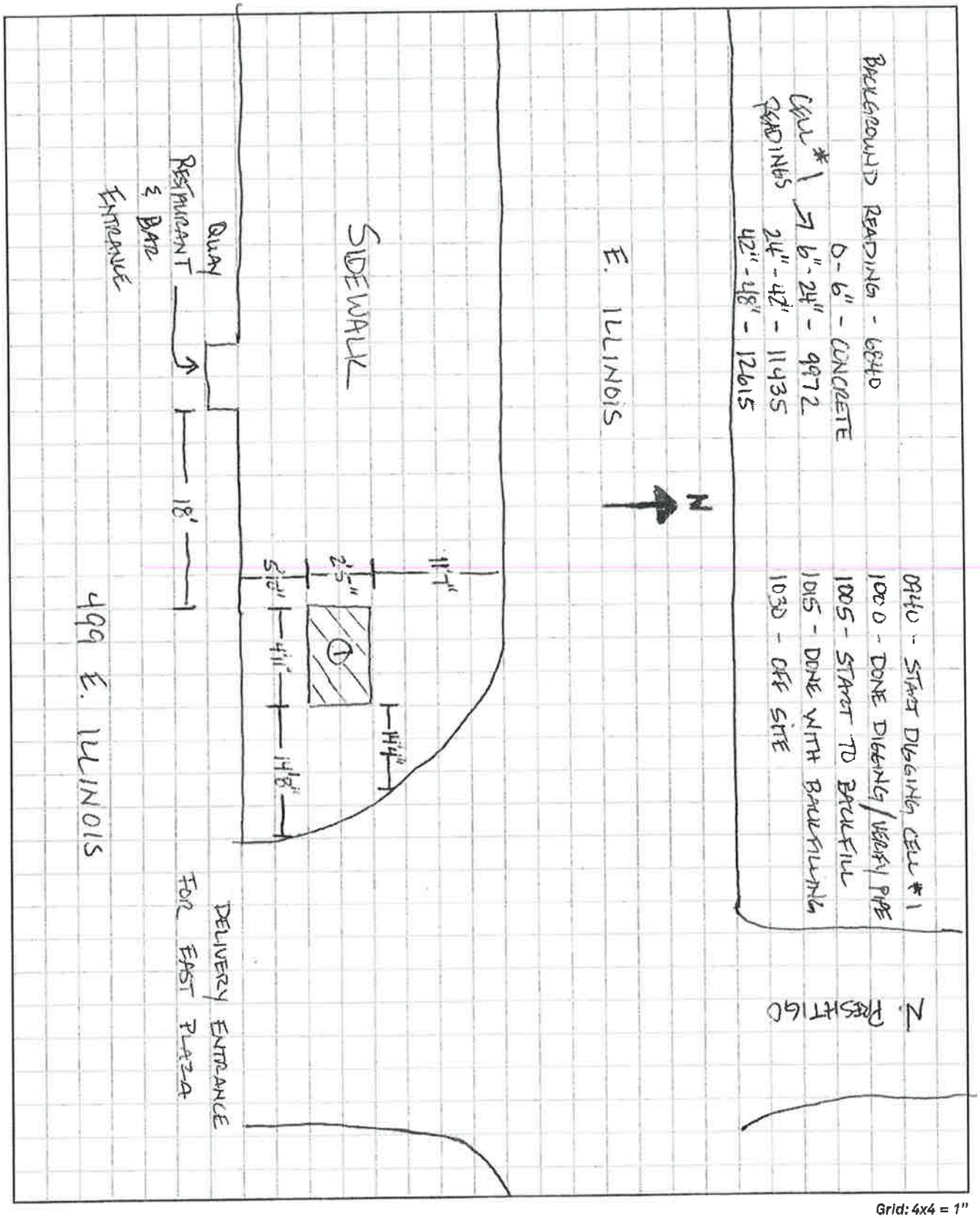
Current: Oct 18, 2012 through Nov 15, 2012 (Input date: Oct 18, 2012 12:38:33 p.m.)

END OF PERMIT

5206624370

AECOM

JOB TITLE 499 E. Illinois Radiological Screening
JOB NO. 60157647 CALCULATION NO. Task 3.6
ORIGINATOR Nick Pias DATE 11/8/12
REVIEWER S Kornder DATE 11/13/12
SCALE Not to Scale SHEET NO. 1 OF 1



Grid: 4x4 = 1"