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

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

August 6, 2014

Mr. Mike Jouras
People's Gas Light & Coke Co.
Environmental Services Department
200 E. Randolph Street, 24th Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 469093276
Permit Address: 401-402 East Illinois Street
AECOM Project No. 60157647

Dear Mr. Jouras:

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 surveillance between the days of July 28-29, 2014 for an excavation trench to install a gas service line for an address located at 401-402 E. Illinois St.

Surveying was performed for the soil removed from a 34-foot by 5-foot excavation (see sketch). The trench was excavated to the depth of 3.5-feet below ground surface. The monitoring revealed no indication of soils above the specified cleanup 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 Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used, the gamma count threshold equivalent to the 7.1 pCi/g cleanup value is 19,598 counts per minute (cpm) unshielded (7,255 cpm shielded). The field gamma background for the area was measured at approximately 7,200 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the field instrument threshold previously stated and ranged from a minimum of 8,500 cpm to a maximum of 12,500 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 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 Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

PERMIT

Permit # 469093276

Received Date: Jul 9, 2014 4:2:39

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

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

CONDON, EDWARD E 773-542-7830

ACTIVITY HOURS

Start no earlier than 9 AM. Stop no later than 4 PM. - Street Opening (Curb Lane &Traffic Lane)

DATES

Jul 14, 2014 through Jul 31, 2014

ACTIVITIES

Street Opening (Curb Lane &Traffic Lane): **Dig #: TBD**

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

40 Feet x 3 Feet x 4 Feet

Excavation may commence on - NO SOONER.

401 - 402 E ILLINOIS ST

WORK TO BE PERFORMED BY: KS ENERGY / PGL STAND @ 32 EW PESHTIGO CT & 28 NS ILLINOIS

MUST MAINTAIN 2 EB LANES AT ALL TIMES

OK M SIMON

OK TO RELEASE PER RAHMAT BEGUM ON 7/14/14

Restrictions:

5226372963

PAGE 5/8 * RCVD AT 8/6/2014 6:14:30 AM [Central Daylight Time] * SVR:RIGHTFAX/23 * DNIS:4306431 * CSID:7735427853 * DURATION (mm-ss):01-38

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 .
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 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!
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. Pursuit to City Ordinances 8-32-140 through 170 use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
14. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
15. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
16. All pavements and pavement markings are to be restored in accordance with CDOT Construction Standards.
17. All street openings must be restored with concrete base to grade.
18. Work to be performed as per plans and specifications.
19. Streets recently resurfaced must be restored to proper standards (resurface to nearest 1/4 pt, see CDOT Construction Standards for further details).
20. WARNING: THIS WORKSITE(S) CONTAINS RADIOACTIVE MATERIAL. ANY QUESTIONS PERTAINING TO HANDLING OF MATERIALS, CONTACT THE DEPT. OF

PAGE 6/8 * RCVD AT 8/6/2014 6:14:30 AM [Central Daylight Time] * SVR:RIGHTFAX/23 * DNIS:4306431 * CSID:7735427853 * DURATION (mm-ss):01-38

Restrictions:

ENVIRONMENT AT 312-744-3152.

21. BIKE FACILITY: On streets with bike markings and/or bike signage the CDOT Bike Program can provide existing pavement marking plans and details. Please contact CDOT Bike Program representative Bradley Topol in advance of activity to ensure restoration of pavement markings. Contact at (312) 744-0513 or at CDOTBikes@cityofchicago.org

    SHARED LANE YIELD TO BIKES signs must be posted if bike traffic is shared with vehicular traffic. Please see the CDOT Rules and Regulations For Construction in the Public Way for more guidance on bike temporary traffic control.

22. 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.
23. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
24. 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.
25. All metal plates used for public way construction or placed within the right-of-way must indicate Ownership!

Street Opening (Curb Lane &Traffic Lane)

07-18-2014 - Fee Pavement Opening

CBD:	Y	Cost Per EA: $	432.00	CAPS:	300-84-2135-256
Tiered:	N	# Of EA:	1.00	Late charge: $	.00
Mora:	N			Amount: $	432.00

Total Fees: $ 432.00

Grand Total Fees: $ 432.00

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

EFFECTIVE DATES OF PERMIT

Current: Jul 14, 2014 through Jul 31, 2014 (Input date: Jul 18, 2014 9:48:10 a.m.)
Previous: Jul 14, 2014 through Jul 28, 2014 (Input date: Jul 09, 2014 4:02:39 p.m.)

END OF PERMIT

SKETCH

ROW RAD INVESTIGATION

AECOM

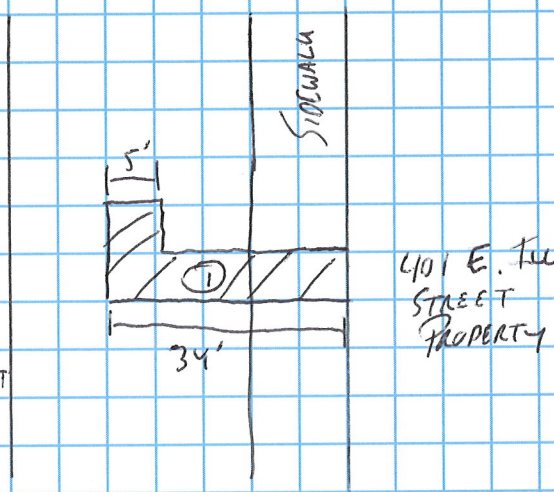
JOB TITLE INTEGRYS 401 + 465 E. ILLINOIS ST.
JOB NO. 60157647 T. 50/A
CALCULATION NO.
ORIGINATOR KEVIN RUSSELL
DATE 7/28-30/2014
REVIEWER BRIAN SCHMIDT
DATE 8/4/2014
SCALE N/A
SHEET NO. 1 OF 1

N

401 E ILLINOIS ST. (7/28-29/2014)

SURVEYED W/ A LUDLUM - 2221 W/
2x2 NAI PROBE (UNSHIELDED)
S/N: 172039
BACKGROUND = 7273 cpm
(1) RANGE: 8500 - 11500 cpm
MAX: 12500 cpm

EXCAVATION DEPTH = 3.5 FEET

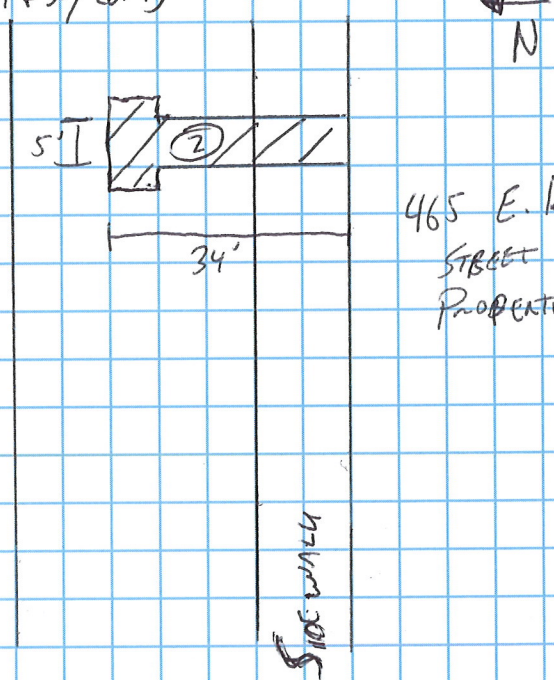


465 E. ILLINOIS ST. (7/29 + 30/2014)

N

SURVEYED W/ A LUDLUM - 2221 W/
2x2 NAI PROBE (UNSHIELDED)
S/N: 172039
BACKGROUND = 6314 cpm
(2) RANGE: 10000 - 13500 cpm
MAX: 15500 cpm

EXCAVATION DEPTH = 3.5 FEET



Grid: 4x4 = 1"