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

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

April 2, 2014

Mr. Mike Jouras
People's 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.: 457685241
Permit Address: 157-199 East Ohio 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 on the day of March 28, 2014 for an excavation to install an anode to a gas service line for an address located between 157-199 E. Ohio St.

Surveying was performed for the soil removed from a 2-foot by 6-foot trench excavation within an alleyway between E. Ohio Street and E. Grand Avenue on the west side of N. St. Clair Street (see sketch). A depth of 3-feet below ground surface was required for the anode installation on the existing gas service line. 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 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 indicative of 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 respective instrument threshold previously stated and ranged from a minimum of 8,700 cpm to a maximum of 13,500 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated 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 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 # 457685241**

Received Date: Mar 17, 2014 3:45:22

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

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

**BUDZINSKI 773-542-7830**

## ACTIVITY HOURS

**See RESTRICTIONS for permitted hours**

## DATES

**Mar 17, 2014 through Mar 31, 2014**

## ACTIVITIES

**Alley Opening - Improved:** **Dig #: TBD**

Alley opening is 3 Feet x 5 Feet x 5 Feet. Purpose: CORROSION WORK - INSTALL TEST LEAD & ANODE ON MAIN No. of Openings: 1

Excavation may commence on - NO SOONER.

157 - 199 E OHIO ST

WORK TO BE PERFORMED BY: MEADE ELECTRIC
PGL STAND

OK M SIMON

OK TO RELEASE PER RAHMAT BEGUM ON 3/20/14

**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



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**Restrictions:**

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. Must maintain minimum of a 10 foot clearance at all times, otherwise a Full Closure permit is required.
10. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
11. Use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
12. Alley pavement restoration is to follow within five days after the completion of underground work, weather permitting.
13. All street openings must be restored with concrete base to grade.
14. All pavements and pavement markings are to be restored in accordance with CDOT Construction Standards.
15. Work area to be backfilled to grade or plated when site is unattended.
16. WARNING: THIS WORKSITE(S) CONTAINS RADIOACTIVE MATERIAL. ANY QUESTIONS PERTAINING TO HANDLING OF MATERIALS, CONTACT THE DEPT. OF ENVIRONMENT AT 312-744-3152.
17. 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.
18. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
19. 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.

**Alley Opening - Improved**

| | | | | | |
|---|---|---|---|---|---|
| 03-20-2014 | - 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, 18, 21, 22, 24, 28, 29, 31, 34, 38, 53, 61, 68, 70, 73, 79, 141, 147**

## EFFECTIVE DATES OF PERMIT

Current: Mar 17, 2014 through Mar 31, 2014 ( Input date: Mar 17, 2014 3:45:22 p.m. )

## END OF PERMIT



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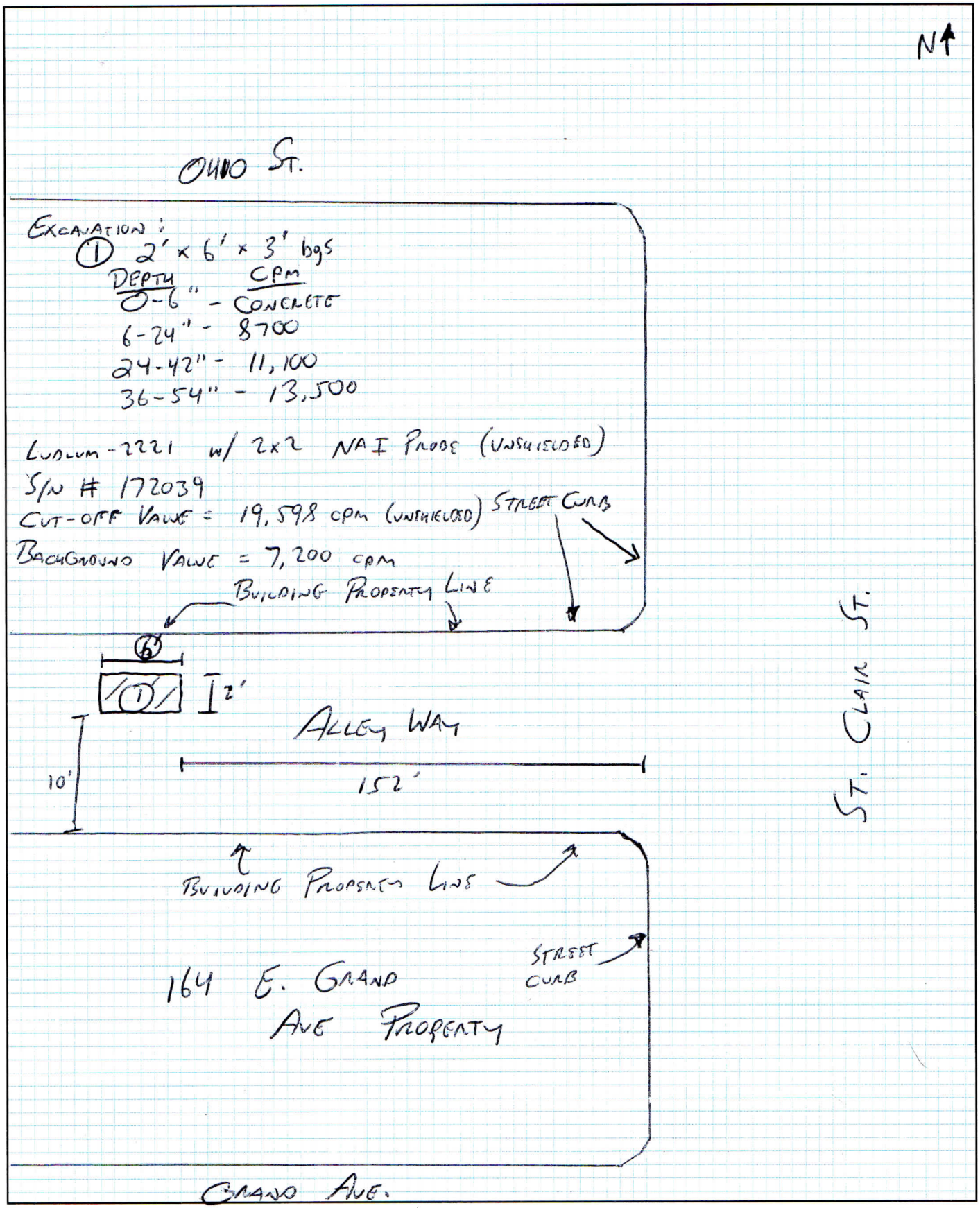
**SKETCH**

AECOM

JOB TITLE 157-199 E. OHIO ST. - INTERIMS ROW RAD SURVEY
JOB NO. 60157647 - TASK 48 CALCULATION NO.
ORIGINATOR BRIAN SCHMIDT DATE 3/28/14
REVIEWER STEVE MONDSEN DATE 3/28/14
SCALE N/A SHEET NO. 1 OF 1




Grid: 10x10 = 1"