



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

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

December 17, 2012

Mr. Narendra Prasad  
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.: 283156416  
Permit Address: 2600-2625 S Dr. Martin Luther King Jr. Drive  
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 surveillance between December 12 and 14, 2012 for the repair of leaking existing gas service piping.

Surveying was performed in 18-inch lifts for the soil removed from an 10-foot by 11-foot opening at South Martin Luther King Drive and East 26th Street (see sketch) to a depth of 6-feet below ground surface required for the repair of leaking existing gas service piping. For this excavation conventional excavation equipment methods were used to 4.5-feet below the surface. Below this depth a vacuum truck was used to remove the soil, at this point the probe had to be lowered into the excavation at 12 to 16-inch intervals.

A cleanup criterion has not been approved for this area by the USEPA. Therefore, the USEPA has requested that the field instrument threshold for potentially radiologically contaminated material conservatively be set at approximately twice the field instrumentation background, which was 12,524 cpm for the upper 4.5-feet of the excavation. Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and a 2 x 2 inch NaI probe (Model 44-10). The field gamma measurements within the excavation and of the spoil materials generated during the upper 4.5-foot excavation process did not exceed the respective field instrument threshold values previously stated and maximum values observed at each lift ranged from 5,800 to 7,500 cpm unshielded.

To perform the screening during vacuum truck excavating a longer (15-foot) cable was used. The field instrumentation unshielded gamma background for the surrounding area outside the excavation based on multiple measurements and a 15-foot cable was approximately 5,885 counts per minute (cpm). Thus, twice this field instrumentation background, or 11,770 cpm, was considered as the conservative indicator of potential contamination.

The vacuum truck excavation monitoring revealed no gamma counts above twice the field instrument background. The field gamma measurements within the excavation were 5,500 cpm unshielded. Thus, there was no indication of the presence of radiologically contaminated material and/or an exceedance of twice the project specific field instrument background.

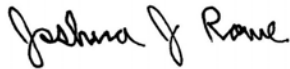
Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: 283156416  
Page 2

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,



Joshua J. Rowe  
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 # 283156416**

**AMENDED**



Received Date: Nov 26, 2012 9:40:53

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

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

**TYMOREK, THOMAS 773-542-7830**

### ACTIVITY HOURS

Permitted activity hours begin at 9:00 A.M. Permitted activity hours will end at 4:00 P.M. ANY WORK ON ARTERIAL STREETS MUST ADHERE TO ALL RUSH HOUR RESTRICTIONS. 2600 - 2625 S DR MARTIN LUTHER KING JR DR Street Opening (Sidewalk, Parkway, Curb Lane & Traffic Lane)

### DATES

Nov 26, 2012 through Dec 26, 2012

### ACTIVITIES

#### Street Opening

Dig #: 283141807

(Sidewalk, Parkway, Curb Lane & Traffic Lane):

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

5 Feet x 3 Feet x 3 Feet

Excavation may commence on DEC 7, 2012 - NO SOONER.

2600 - 2625 S DR MARTIN LUTHER KING JR DR

<44042>LEAK REPAIR

Please include the following language on the above referenced permit;

2601 S King Drive ?They are clear of the irrigation equipment per work and

**Street Opening  
(Sidewalk, Parkway, Curb Lane & Traffic Lane):****Dig #: 283141807**

picture provided to us. but no other location is allowed under this request. Do not place any equipment, material, debris on that planter bed or median. No entry into the planter bed or median. as-built drawing made by others attached below.

DIG LOCATION GIVEN IS CLEAR OF IRRIGATION. THERE IS A LANDSCAPED MEDIAN AT THIS LOCATION. NO ENTRY INTO THE LANDSCAPED MEDIAN WILL BE ALLOWED FOR ANY REASON. NOTIFY CDOT IF ANY WATER LINES, CONDUITS, IRRIGATION LINES, AND WIRES ENCOUNTERED. MAINTAIN AT LEAST 2 FEET CLEARANCE FROM THE MEDIAN CURB AND GUTTER.

Kenneth P. Martin

OK PER RAHMAT BEGUM ON 12/4/12

**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. 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 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 renew 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.

**Restrictions:**

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. Use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
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.
16. All street openings must be restored with concrete base to grade.
17. Work to be performed as per plans and specifications.
18. Streets recently resurfaced must be restored to proper standards (resurface to nearest 1/4 pt, see CDOT Construction Standards for further details).
19. WARNING: THIS WORKSITE(S) CONTAINS RADIOACTIVE MATERIAL. ANY QUESTIONS PERTAINING TO HANDLING OF MATERIALS, CONTACT THE DEPT. OF ENVIRONMENT AT 312-744-3152.
20. Contractors to post signs to indicate: BIKE LANE CLOSED - SHARED LANE YIELD TO 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.

21. 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.
22. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
23. 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.
24. All metal plates used for public way construction or placed within the right-of-way must indicate Ownership!

**Street Opening (Sidewalk, Parkway, Curb Lane & Traffic Lane)**

12-05-2012 - Fee Pavement Opening

CBD:	N	Cost Per EA:	\$ 391.00	CAPS:	300-84-2135-256
Tiered:	N	# Of EA:	1.00	Late charge:	\$ .00
Mora:	N			Amount:	\$ 391.00

**Total Fees: \$ 391.00****Grand Total Fees: \$ 391.00**

Affected CUAN Sites: 5, 15, 21, 22, 24, 28, 29, 34, 35, 41, 61, 68, 70, 71, 144, 148

**EFFECTIVE DATES OF PERMIT**

Current: Nov 26, 2012 through Dec 26, 2012 ( Input date: Nov 26, 2012 9:40:53 a.m. )

**END OF PERMIT**

