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AECOM

August 27, 2009

EPA Region 5 Records Ctr.
337979

Mr. Naren Prasad
People's Gas
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 970476822
Permit Address: 100 East North Water Street
AECOM Project No. 10535-004-2000

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, Inc. (AECOM) provided the required radiation surveillance on August 24, 2009 for the excavation of one test pit for maintenance purposes.

The vacuum excavation of the pit began at approximately 70 feet to the east of North Michigan Avenue, measuring 1 foot by 1 foot, reaching a depth of approximately 6 feet (see attached sketch.)

Surveying was performed for the asphalt and soil within the test pit prior to vacuum excavation. 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 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 NaI probe (Model 44-10). For the instrumentation used, the gamma count indicative of the 7.1 pCi/g threshold was 19,482 counts per minute (cpm). The values within the excavation measured from about 3,015 cpm to about 3,315 cpm. Thus, there was no indication of an exceedance of the USEPA threshold.

Finally, as part of the permit conditions, this letter has been forwarded to:

Chicago Department of Environment
Attention: Ms. Rahmat Begum
30 North LaSalle Street, 25th Floor
Chicago, Illinois 60602

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

Regards,

Jaclyn C. Webb
Assistant Project Engineer

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

cc: Rahmat Begum, Chicago Department of Environment
Verneta Simon, USEPA

Attachments: Permit
Sketch

Permit # 970476822

Received Date: Jul 23, 2009 8:18:28

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

773-542-7830

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

ACTIVITY HOURS

Permitted activity hours begin at 9 AM. Permitted activity hours will end at 4 PM. ANY WORK ON ARTERIAL STREETS MUST ADHERE TO ALL RUSH HOUR RESTRICTIONS. 100 - 100 E NORTH WATER ST Street Opening (Traffic Lane)

DATES

Aug 14, 2009 through Aug 28, 2009

ACTIVITIES

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

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

2 Feet x 2 Feet

Excavation may commence on - NO SOONER.

100 E NORTH WATER ST

CORROSION

WORK TO BE PERFORMED BY: TRENCH IT
OK M SIMON

OK TO RELEASE PER RAHMAT BEGUM ON 7/29/09 (SEE RESTRICTIONS)

RESTORATION REQUIREMENTS - 23X10 CURBFACE TO 1/2 PT

5170676154

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

OK INSPECTOR GK ON 8/13/09

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 the immediate cancellation of the permit. Monthly billing accounts are not applicable.
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 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. Permitted Hours: 9:00 AM to 4 PM (days)
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 Contaractor 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. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
14. Use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
15. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
16. All pavements are to be restored in accordance with CDOT Construction Standards.
17. All street openings must be restored with concrete base to grade.
18. Streets recently resurfaced must be restored to proper standards (resurface to nearest 1/4 pt, see CDOT Construction Standards for further details).
19. Maintain vehicular traffic at all times.
20. Work area to be backfilled to grade or plated when site is unattended.

Restrictions:

21. Work to be performed as per plans and specifications.
22. WARNING: THIS WORKSITE(S) CONTAINS RADIOACTIVE MATERIAL. ANY QUESTIONS PERTAINING TO HANDLING OF MATERIALS, CONTACT THE DEPT. OF ENVIRONMENT AT 312-744-3152.
23. This worksite is a MORATORIUM STREET and must be restored to CDOT standards.
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!

Street Opening (Traffic Lane)

08-14-2009 - Fee Pavement Opening

CBD:	Y	Cost Per EA: $	337.00	CAPS:	300-84-2135-256
Tiered:	N	# Of EA:	1.00	Late charge: $	.00
Mora:	Y			Amount: $	674.00

Total Fees: $ 674.00

Grand Total Fees: $ 674.00

Affected CUAN Sites: 7, 15, 18, 20, 21, 22, 24, 28, 29, 31, 34, 35, 36, 38, 42, 53, 61, 65, 141, 147

5170676154

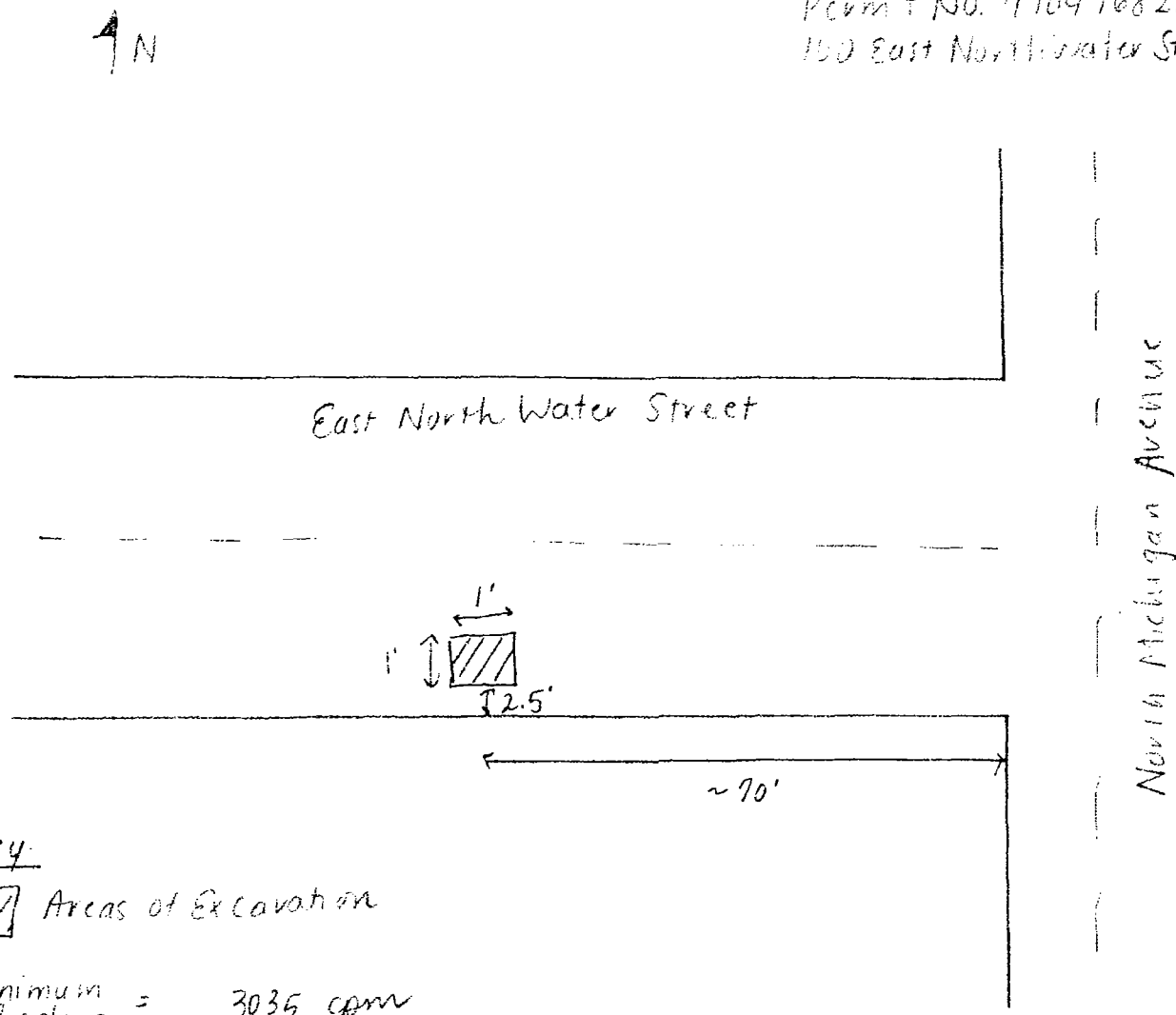
AECOM

JOB TITLE Peoples Energy Radiological Surveying

JOB NO 60255047.00 CALCULATION NO — ORIGINATOR Jacin [illegible] DATE 8/25/2009

SHEET 1 OF 1 REVIEWER Steve Kennedy DATE 8/25/09

Permit No. 970476822
150 East North Water St



Key:

Areas of Excavation

Minimum Reading = 3,035 cpm

Maximum Reading = 3,315 cpm

(all readings recorded unshielded.)

Ludlum Model 2221
EPA Threshold of 7.1 pCi/g
= 17,782 cpm (unshielded)
= 1,702 cpm (shielded)

Drawing Not to Scale