



AECOM
100 S. Wacker Drive, Suite 500
Chicago, Illinois 60606

312-939-1000 tel
312-939-4198 fax

May 27, 2016

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

RE: Radiological Survey of a Manhole Installation
Permit No.: DOT624937
Permit Address: 157-165 E. Ohio St., Chicago, Illinois
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 May 10, 2016 for an installation of a manhole.

Surveying was performed within the excavation and on the spoil removed at 157-165 E. Ohio St. (refer to sketch). The excavation was conical in shape with an 18-inch diameter to a depth of 36-inches below ground surface (bgs). The excavations were executed utilizing an excavator and hydro-vac equipment to the termination depth of 36-inches bgs.

The monitoring did not indicate that the fill soils were above the removal action level established by the U.S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA removal action level 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 recorded using Ludlum Models 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 removal action level is 17,015 (S/N: 172039) counts per minute (cpm) unshielded.

The field gamma measurements within the excavations and of the spoil during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 5,000 cpm to a maximum of 5,900 cpm unshielded. Based on field observations there was no indication of the presence of radiologically-contaminated fill and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium. A copy of the permit and a field sketch documenting the area where work was performed, have been included as attachments.

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

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

Regards,



Andrew Kozak
Geologist



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

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

Attachments: Permit
Sketch

PERMIT

Permit # DOT624937

**DOT Public Way Opening
Opening in the Public Way**



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

Received Date: April 28, 2016 10:09 am

**104195
ISSUED**

PEOPLES GAS
200 E RANDOLPH ST
CHICAGO, IL 60601

OLIVER, MARIA G (312)240-4692

PERMIT DATES

April 29, 2016 through May 29, 2016

PERMIT DETAILS

Public Way Opening for the purpose: CORR WORK

Excavation may commence on April 29, 2016 - NO SOONER

157 - 165 E OHIO ST - Number of Openings: 1

Alley

5 Ft (L) x 3 Ft (W) x 3 Ft (D)

Additional Information:

Installation Method 1 : OPEN CUT ;

Subcontractors:

MEADE ELECTRIC CO., INC.
9550 W 55th St Ste A
Countryside, IL 60525-3641
(708)588-2500

M & J ASPHALT
3124 S. 60TH COURT
CICERO, IL 60804
(708)222-1200

FIRST CHOICE LANDSCAPING CO.
8303 CLOVERVIEW DR.
TINLEY PARK, IL 60477
(708)441-5348

SEVEN-D CONSTRUCTION CO
2000 W 43rd St
CHICAGO, IL 60609
(773)735-0401

RABINE PAVING, LLC
900 NATIONAL PARKWAY #260
SCHAUMBURG, IL 60173
(847)995-0555

CHRISTY WEBBER & CO
2900 WEST FERDINAND ST
CHICAGO, IL 60612
(773)533-0477

Restrictions:

1. If Arterial Street Outside CBD, Then Start no earlier then 9:00 A.M. and end no later then 4:00 P.M.
2. 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 renew the dig date! 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. 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. 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.
3. A copy of the permit must remain on-site for inspector's review.
4. If Non-Arterial Street Outside CBD, Then Start no earlier then 7:00 A.M. and end no later then 3:00 P.M.
5. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
6. 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.
7. 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.

Fees:

05/02/2016 DOT_PWO - Alley Opening Fee

CAPS:	AH01
Amount: \$	1,908.00

Total Fees: \$1,908.00

EFFECTIVE DATES OF PERMIT

Current: April 29, 2016 through May 29, 2016 (Input date: April 28, 2016 10:09 am)

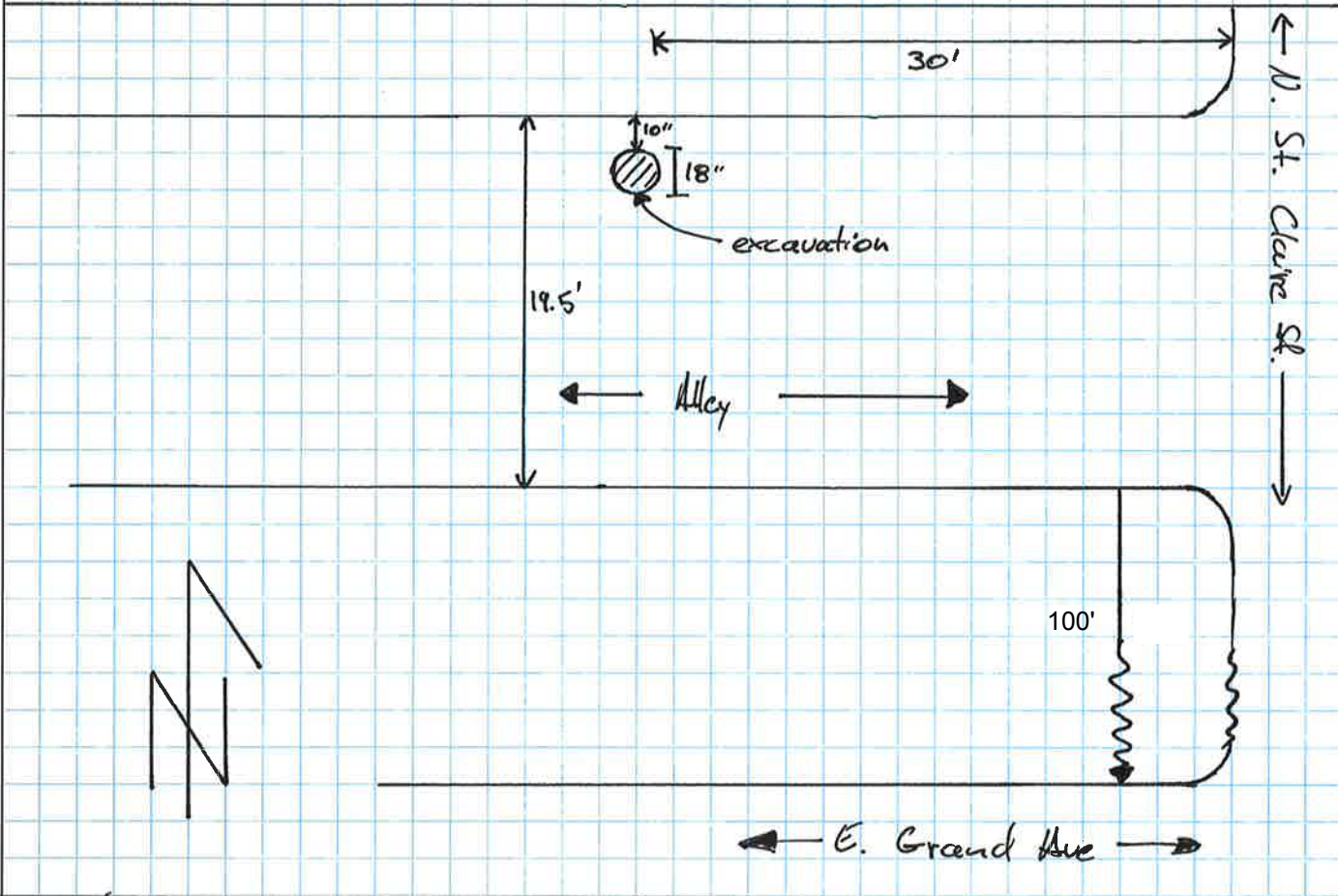
END OF PERMIT

SKETCH

JOB TITLE People's Gas - 157-165 E. Ohio St., Chicago, IL
 JOB NO. 60157647 CALCULATION NO. _____
 ORIGINATOR Andrew Kozak DATE 5/10/16
 REVIEWER Steve Koruder DATE 5/27/16
 SCALE _____ SHEET NO. 1 OF 1

Equipment

Ludlum 2221 S/N: 172039
 Probe 2x2 Nat S/N: 174496
 unshielded: 17,015
 shielded: 6,684
 background: _____
 personnel: Kyle Korczak



Depth	Readings
	CPM
0" (concrete)	_____
18" (beneath concrete)	5,300 - 5,800
18"-36"	5,000 - 5,900