



AECOM
303 E. Wacker Drive, Suite 1400
Chicago, Illinois 60606

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

December 2, 2020

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

RE: Streeterville Thorium Monitoring Results
Permit No.: DOT1294169
Permit Address: 80 E. Lower Wacker Place, Chicago, IL
AECOM Project No. 60157647.141S

Dear Mr. Prasad:

Pursuant to conditions specified in the Right of Way (ROW) form (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on October 30, 2020 for a small excavation required to install a natural gas service line for a new building at Wacker Pl. and Michigan Avenue (refer to map included with CDOT Permit).

Surveying was performed in an opening on the north side of Lower Wacker Place. The excavation was approximately 35-feet west of Lower Michigan Avenue, started 10-feet south of the north edge of Lower Wacker Place and extended 20-feet north into the property under construction at the northwest corner of the intersection of Wacker Pl. and Michigan Avenue. Refer to the attached photograph and drawing attached to the CDPH form for the approximate location of the excavation. The excavation was approximately 20-feet by 5-feet and excavated to a depth of 30-inches.

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 a Ludlum Model 2221 survey meter and a shielded 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 7,020 (S/N: 326720) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements within the opening did not exceed the instrument threshold previously stated and ranged from 2,120 cpm to a maximum of 2,920 cpm shielded. The field instrument background count of nearby soils was measured at 2,360 cpm shielded. 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 CDOT permit, photograph and the tabulated gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

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

Regards,



Eric Sulita, P.E.
Environmental Engineer III



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

cc: Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: CDOT Permit and Map
Photograph and Gamma Results

CDOT PERMIT AND MAP

Permit # DOT1294169

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



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

Received Date: October 5, 2020 7:06 am

**196034
ISSUED**

PEOPLES GAS
200 E RANDOLPH ST
CHICAGO, IL 60601
U.S.A.

KRUEGER, WILLIAM J (773)475-3734

Issued: 10/13/2020

PERMIT REQUESTED DATES
October 21, 2020 through November 20, 2020

PERMIT DETAILS
Public Way Opening for the purpose: NEW SERVICE
Excavation may commence on 10/26/2020 - NO SOONER
80 E WACKER PL - Number of Openings: 1
Curb Lane, Parkway, Sidewalk, and Traffic Lane
25 Ft (L) x 5 Ft (W) x 5 Ft (D)

Additional Information:

CAPITAL; OUC File #: (EAST LOWER WACKER PLACE);

Dig Ticket Details:

Dig Ticket Owner - KS ENERGY SERVICES, LLC (OVERSIZE)

Dig Ticket Number	Dig Date	Address
600906647	10/26/2020 10:00	80 E - 80 E WACKER PL

Dig Ticket Owner - SEVEN-D CONSTRUCTION CO

Dig Ticket Number	Dig Date	Address
600916020	11/12/2020 10:00	80 E - 80 E WACKER PL

Subcontractors:

Peoples Gas
200 E Randolph St
Chicago, IL 60601
U.S.A.
(773)475-3727

NPL CONSTRUCTION
4554 W NORTH AVE
CHICAGO, IL 60639
U.S.A.
(773)772-8920

CHICAGO CUT CONCRETE CUTTING, INC
810 MORSE AVENUE
SCHAUMBURG, IL 60193
U.S.A.

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

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

KS ENERGY SERVICES, LLC (OVERSIZE)
19705 W. LINCOLN AVENUE
NEW BERLIN, WI 53146
U.S.A.
(262)574-5100

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

MCGILL CONSTRUCTION, LLC
21227 S. 80TH AVENUE
FRANKFORT, IL 60423
U.S.A.

MILLENNIUM CONTRACTING CORP
1841 S. CALUMET AVENUE
CHICAGO, IL 60616
U.S.A.
(312)878-7567

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

BADGER DAYLIGHTING CORP
1300 E US HIGHWAY 136, SUITE E
PITTSBORO, IN 46167
U.S.A.
(317)892-2666

Restrictions:

1. Contractor, sub-contractor or the entity performing the work shall remove all temporary parking restriction signs upon completion of the work
2. If Non-Residential Street is Outside the CBD, then START no earlier than 9:00 A.M. and END no later than 4:00 P.M.
3. If Residential Street is Outside the CBD, then START no earlier than 7:00 A.M. and END no later than 3:00 P.M.
4. All work shall be in accordance with CDOT Rules and Regulations for Construction in the Public Way and City of Chicago Municipal Code. Work to be performed as per plans and specifications. All traffic control will be the responsibility of the contractor, and must comply with all CDOT and MUTCD standards.
5. 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.
6. Start Time no Earlier than End Time no Later than
7. Every person who engages in non-emergency excavation or demolition shall provide notice through 811 Chicago to the persons who own and operate the underground facilities in and near the excavation or demolition area, not 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. Please review Municipal Code of Chicago § 10-21 and the Excavator Handbook (posted on [811 Chicago's website](#)) for additional information related to Chicago's one-call regulations, including outlining the dig site, extending dig tickets, and remarking work sites.

8. A copy of the permit must remain on-site 24 hours per day for inspector's review. Posting a copy on barricades is acceptable.
9. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
10. At least 3 of 4 corners at any intersection must be accessible at all times
11. 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.

Work Hours 9:30 AM to 3:30 PM Monday through Friday

RESTORATION AGREEMENT HAS BEEN UPLOADED

Maintain bi-directional traffic at all times

Radiation monitoring required

Fees:

10/13/2020 DOT_PWO - Street Opening Fee

CAPS: AH04

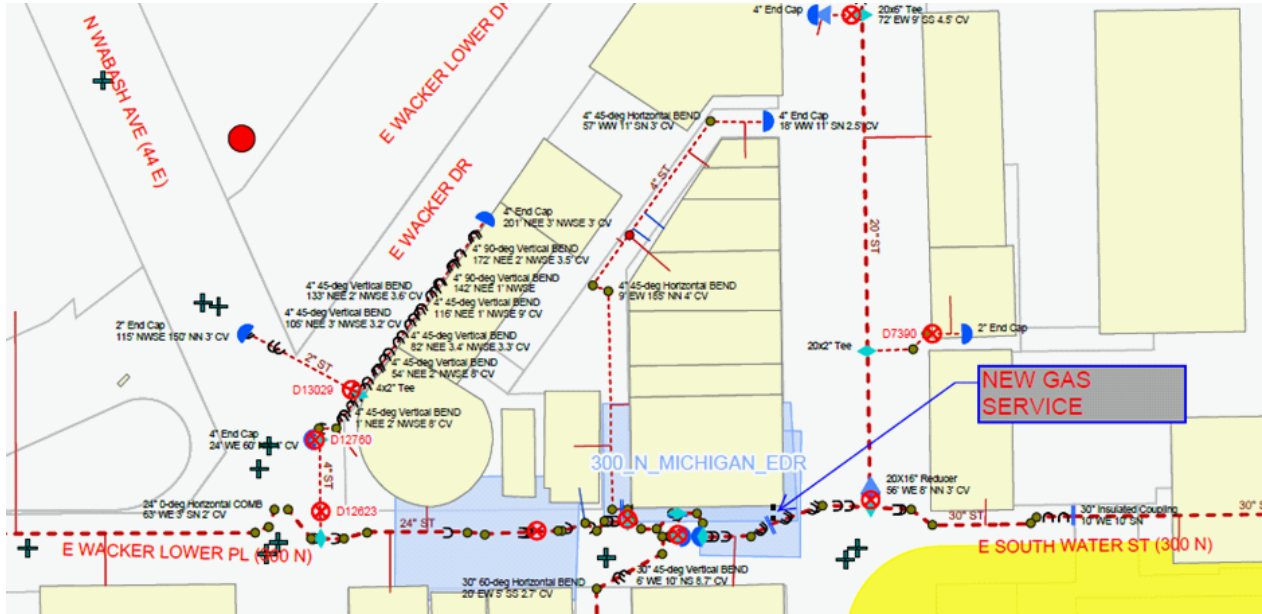
Amount: \$ 580.00

Total Fees: \$580.00

EFFECTIVE DATES OF PERMIT

Original Issued: 10/13/2020

END OF PERMIT



PHOTOGRAPHS AND GAMMA RESULTS

PICTURE 1: VIEW OF THE EXCAVATION AT 80 E. LOWER WACKER PLACE, LOOKING NORTHWEST FROM LOWER MICHIGAN AVENUE.



**Gamma Survey Results
People's Gas**

Survey Equipment

Location:	80 E. Lower Wacker Pl.
CDPH:	1294169
Ludlum 2221 S/N:	326720
Cutoff (short cord):	7,020 cpm
Background (short cord):	2,360 cpm
Personnel:	E. Sulita
Date of Screening:	10/30/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
1: 35' W. of Lower Michigan, 10' N. of Lower Wacker Pl.	0-18	concrete
	18	2,450
	30	2,610
2: 35' W. of Lower Michigan, 10' S. of Lower Wacker Pl.	0-18	concrete
	18	2,120
	30	2,920