



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

312-939-1000 tel  
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967674

August 6, 2021

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

RE: Streeterville Thorium Monitoring Results  
CDPH Permit No.: 1552860  
Permit Address: 230-301 N. Michigan Lower Ave, Chicago,  
Illinois AECOM Project No. 60157647.144

Dear Mr. Prasad:

Pursuant to conditions specified in the 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 July 19, 2021 for excavations to verify utility locations within the right of way (refer to map included with Public Way Opening form).

Surveying was performed in three separate test pits to daylight existing underground utilities within the intersection of Lower N. Michigan Avenue and E. South Water St. Refer to the drawing attached to the CDPH form for the approximate location of the excavations. The test pits were approximately 8-feet by 8-feet, 6-feet by 6-feet, and 5-feet by 6-feet, and excavated to a depth of 24 – 36-inches. Screening was performed within each test pit at 12-inch vertical lifts (refer to the attached annotated drawing following the tabulated gamma results).

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 6,110 (S/N: 176944) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements within the openings did not exceed the instrument threshold previously stated and ranged from 1,667 cpm to a maximum reading of 2,980 cpm shielded. Although there was no exposed soil nearby to determine a background measurement, the background of nearby paved surfaces measured 1,577 cpm. 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 CDPH form, photographs, tabulated gamma results and an annotated drawing are included as attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to Ahmad Nur and 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: Ahmad Nur, Chicago Department of Public Health  
Terry Sheahan, Chicago Department of Public Health  
Verneta Simon, USEPA

Attachments: CDPH Permit Form and Map  
Photographs, Gamma Results and Annotated Drawing

**CDPH PERMIT FORM**



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Maria Oliver Signature: Maria J Oliver

Site Address and Work Location (Describe exact site location and attach map): 230-301 N Lower Michigan Ave

Nature of Work: Test Holes

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St, (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Jose Gomez 312-978-3335

Include subcontractor information if applicable) Safety Officer / Phone No. Naren Prasad (630) 936-6287

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder, AECOM (262) 515-7700

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1552860

Today's Date: 7/8/21 Expected Start Date: 7/12/21 07/15/21 CDPH Approval / Date ahmad nur 07/12/2021

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only





Permit # DOT1552860

# DOT Public Way Opening Opening in the Public Way



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

Received Date: June 17, 2021 9:09 am

## P206061 ISSUED

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

JOSE GOMEZ 312-978-3335  
jose.gomez@peoplesgasdelivery.com

**Issued: 07/12/2021**

**PERMIT REQUESTED DATES**  
July 12, 2021 through August 12, 2021

**PERMIT DETAILS**

**Ward(s): 42**  
**Public Way Opening for the purpose: TEST HOLES**  
**Excavation may commence on 7/15/2021 - NO SOONER**

**230 - 301 N MICHIGAN LOWER AVE - Number of Openings: 1**  
**Intersection**  
1 Ft (L) x 1 Ft (W) x 1 Ft (D)

**230 - 301 N MICHIGAN LOWER AVE - Number of Openings: 1**  
**Intersection**  
1 Ft (L) x 1 Ft (W) x 1 Ft (D)

**230 - 301 N MICHIGAN LOWER AVE - Number of Openings: 1**  
**Intersection**  
1 Ft (L) x 1 Ft (W) x 1 Ft (D)

**Dig Ticket Details:**

**Dig Ticket Owner - NPL CONSTRUCTION**

Dig Ticket Number	Dig Date	Address
601031464	07/15/2021 08:30	241 N - 301 N MICHIGAN LOWER AVE
601031463	07/15/2021 08:30	231 N - 301 N MICHIGAN LOWER AVE
601031462	07/15/2021 08:30	240 N - 300 N MICHIGAN LOWER AVE
601031461	07/15/2021 08:30	230 N - 300 N MICHIGAN LOWER AVE

**Dig Ticket Owner - PEOPLES GAS**

Dig Ticket Number	Dig Date	Address
601031394	07/15/2021 08:00	231 N - 301 N MICHIGAN LOWER AVE
601031395	07/15/2021 08:00	241 N - 301 N MICHIGAN LOWER AVE
601031393	07/15/2021 08:00	240 N - 300 N MICHIGAN LOWER AVE
601031384	07/15/2021 08:00	230 N - 300 N MICHIGAN LOWER AVE

**Subcontractors:**

KS ENERGY SERVICES, LLC (OVERSIZE)  
19705 W. LINCOLN AVENUE

NEW BERLIN, WI 53146  
U.S.A.  
(262)574-5100

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

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

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

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

MILLENNIUM CONTRACTING CORP  
5933 N. KNOX  
CHICAGO, IL 60646  
U.S.A.  
(312)878-7567

**Restrictions:**

1. 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.
2. A copy of the permit must remain on-site 24 hours per day for inspector's review. Posting a copy on barricades is acceptable.
3. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
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. 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.
7. Start Time no Earlier than 8:00pm End Time no Later than 6:00am Sunday through Thursday
8. Contractor, sub-contractor or the entity performing the work shall remove all temporary parking restriction signs upon completion of the work
9. At least 3 of 4 corners at any intersection must be accessible at all times

**Radiation Monitoring Required**

**Fees:**

CAPS: AH04  
Amount: \$ 1,827.00

**Total Fees: \$1,827.00**

**EFFECTIVE DATES OF PERMIT**

Original Issued: 07/12/2021

**END OF PERMIT**



## PHOTOGRAPHS AND GAMMA RESULTS



**PICTURE 1: VIEW OF TEST PIT 1 AT THE INTERSECTION OF LOWER MICHIGAN AVE AND SOUTH WATER ST.**



**PICTURE 2: VIEW OF THE TEST PIT 2 AT THE INTERSECTION OF LOWER MICHIGAN AVE AND SOUTH WATER ST.**

**Gamma Survey Results  
Peoples Gas**

**Survey Equipment**

Location:	230 - 301 N Michigan Lower Ave.
CDOT:	1552860
Ludlum 2221 S/N:	176944
Cutoff:	6,110 cpm
Background:	(no exposed soil) 1,577 cpm
Personnel:	E. Sulita
Date of Screening:	7/19/2021

**Survey Results**

Test Pit	Depth (inches)	Maximum Readings (cpm)
1	0-14	concrete
	14	1,667
	24	1,899
	36	2,980
2	0-14	concrete
	14	1,800
	24	1,916
3	0-14	concrete
	14	1,892
	24	2,296
	36	2,288



