



AECOM  
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962463

December 2, 2020

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  
Permit No.: DOT1390488  
Permit Address: 55 E. Lower Wacker Pl., Chicago, IL  
AECOM Project No. 60157647.142

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 for work at the above referenced site. The excavation work was performed as an emergency response to a gas leak at the address on the evening of November 18, 2020. During the emergency work the spoils were direct loaded into a truck and moved to the Peoples Gas Central Shop at 4230 W. 35<sup>th</sup> Pl., Chicago, Illinois. During the field work the spoil was observed to be predominantly pavement and clean fill sand. Arrangements to screen the spoil were scheduled on November 19, 2020. AECOM Technical Services, Inc. (AECOM) conducted radiation surveillance of the spoils at the Central Shop location on November 23, 2020.

To complete the repairs two excavations were made adjacent to the building at 55 E. Lower Wacker Pl. The two excavations were approximately 7-feet by 8-feet and 3-feet by 15-feet. Refer to the drawing attached to the CDPH form for the approximate location of the excavations. The excavations were approximately 48-inches deep.

On November 23, 2020, AECOM screened all the spoils stored at the Central Shop storage site that were removed from the 55 E. Lower Wacker Pl. location. The spoil piles at the storage site were spread out with a front-end loader so that all soil could be screened in thin lifts, see attached photographs. The monitoring did not indicate that the excavated 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 6,933 (S/N: 172039) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements of the spoil did not exceed the instrument threshold previously stated, with a maximum count of 3,160 cpm shielded. The field instrument background level of nearby soils at the Central Shop was measured at 2,620 cpm shielded. A copy of the CDPH form, photographs 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 Vernetta 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: CDPH Permit Form and Map  
Photographs and Gamma Results

**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 G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 55E Lower Wacker Pl
Emergency Dig 600920078

Nature of Work: Emergency leak

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

General / Prime Contractor Name, Address, Phone No.: Jose Gomez 312-978-3335
Include subcontractor information if applicable

Safety Officer / Phone No.: Danielle Clopton (312) 240-6674

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

Check if City Department Work [ ] Department Name:

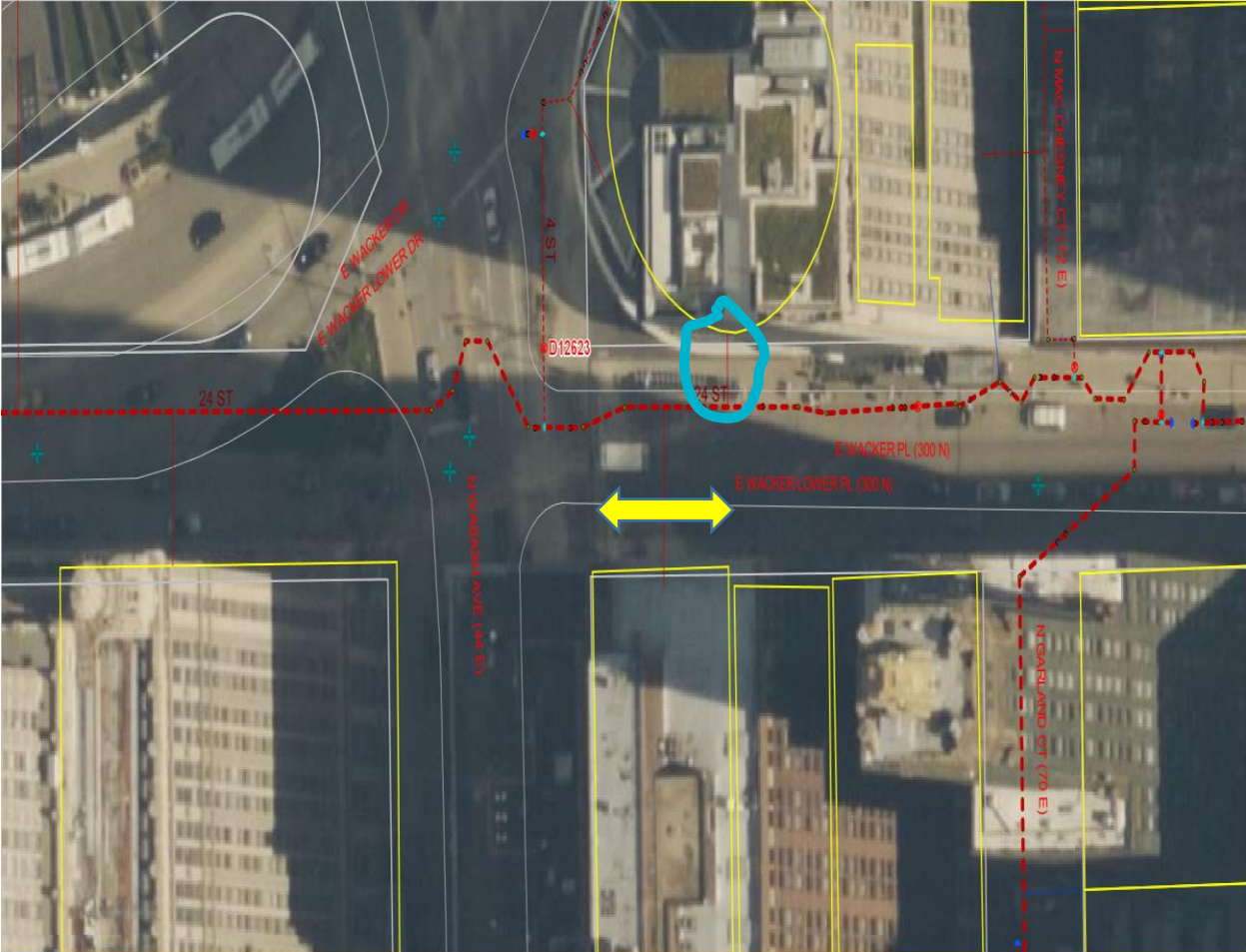
CDOT Permit No.: DOT1390488

Today's Date: 11/19/20 Expected Start Date: 11/19/20 CDPH Approval / Date ahmad nur 11/19/2020

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

55 E Lower Wacker Pl Emergency leak



## PHOTOGRAPHS AND GAMMA RESULTS

**PICTURE 1: VIEW OF THE PEOPLES GAS YARD STORAGE SITE AT 4230 W. 35TH PL., CHICAGO, IL.**



**PICTURE 2: VIEW OF THINNED OUT PILES AT PEOPLES GAS YARD STORAGE SITE**





**Gamma Survey Results  
People's Gas**

**Survey Equipment**

Location:	55 E. Lower Wacker Pl. - Moved to yard storage at 4230 W. 35th Pl., Chicago, IL
CDPH:	DOT1390488
Ludlum 2221 S/N:	172039
Cutoff (short cord):	6,933 cpm
Background:	2,620 cpm
Personnel:	Eric Sulita (AECOM)
Date of Screening:	11/23/2020

**Survey Results**

Sample (55 E. Lower Wacker Pl. - Moved to yard storage)	Readings (cpm)
1	2,936
2	3,160
3	2,765
4	3,000
5	2,376
6	2,780
7	2,630
8	2,550