



AECOM  
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Chicago, Illinois 60606

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961380

October 1, 2020

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

RE: 130 East South Water Street  
Permit No.: DOT1273240  
Permit Address: 130 East South Water Street, Chicago, Illinois  
AECOM Project No. 60157647.140

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 Technical Services, Inc. (AECOM) provided the required radiation surveillance on September 23, 2020 for the utility work.

Surveying was performed beneath concrete removed at 130 East South Water Street (see sketch) required to address the installation of a corrosion protection anode. The work consisted of one 18-inch diameter excavation in the pavement. The opening was excavated to approximately 78-inches below ground surface (bgs). After coring through the concrete, screening was completed in 18-inch lifts with a hydro-vac down to the utility. See attached permit and sketch for the location of the excavation.

The gamma 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 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 cleanup value is 6,110 (S/N: 176944) counts per minute (cpm) shielded with a short probe cord and 3,823 cpm with a long cord.

The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold previously stated and the maximum counts for each lift ranged from a 1,100 cpm to 1,500 cpm shielded. The general subsurface stratigraphy was composed of predominantly of gravel fill. 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 and a sketch with 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.

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

Regards,



Kyle Korczak  
Geologist



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

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

Attachments: CDPH Permit Form and Map  
Sketch with Gamma Results

**CDPH PERMIT FORM**



DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

**FORM NO. CDPH.ROW.03 (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): 130 E Lower South Water St

Nature of Work: Corrosion repair

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

General / Prime Contractor Name, Address, Phone No.: Axl Davis (773) 236-7288

*Include subcontractor information if applicable*

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

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

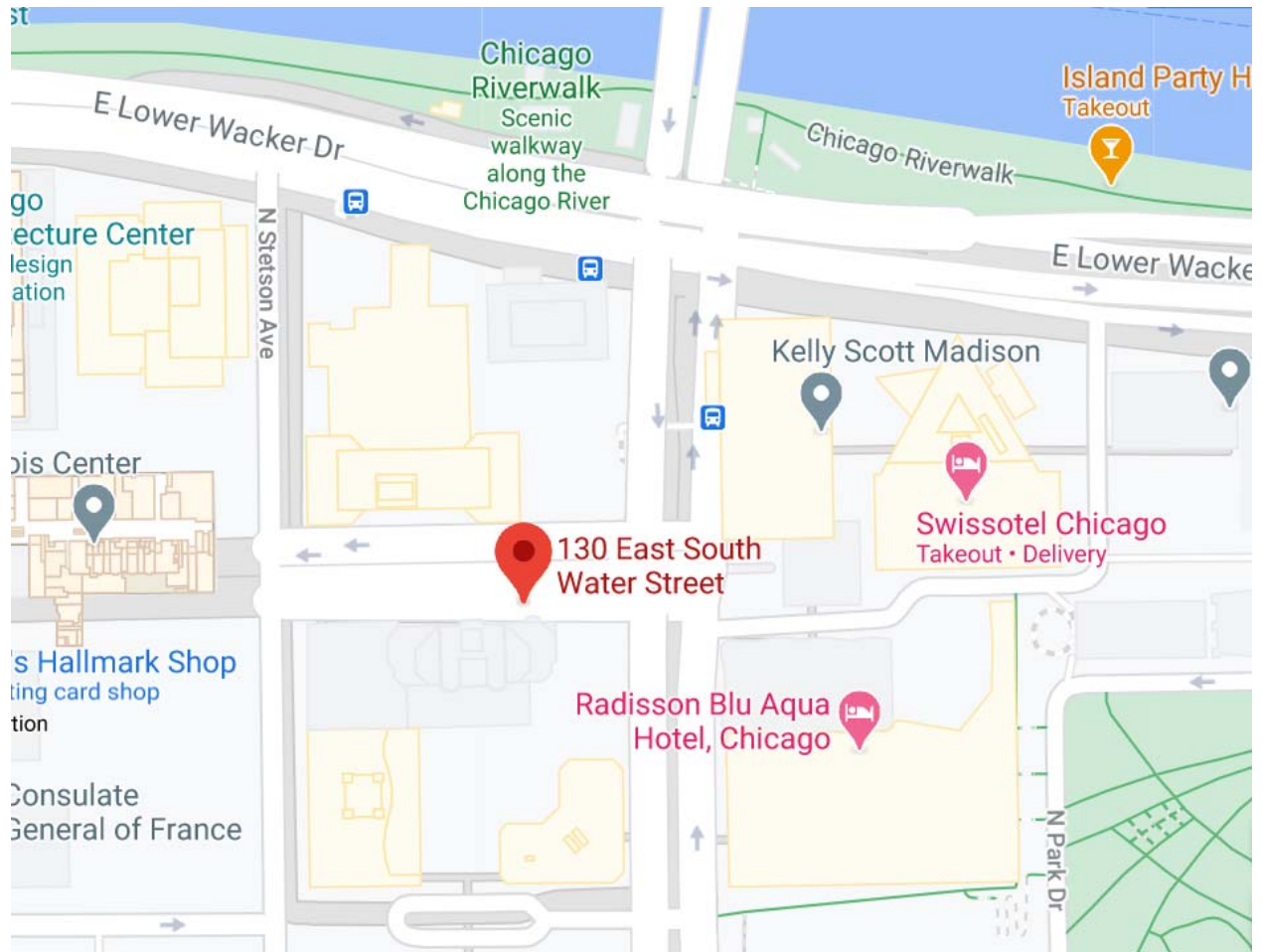
Check if City Department Work  Department Name: \_\_\_\_\_

CDOT Permit No.: DOT1273240

Today's Date: 7/30/20 Expected Start Date: 8/10/20 CDPH Approval / Date \_\_\_\_\_

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)

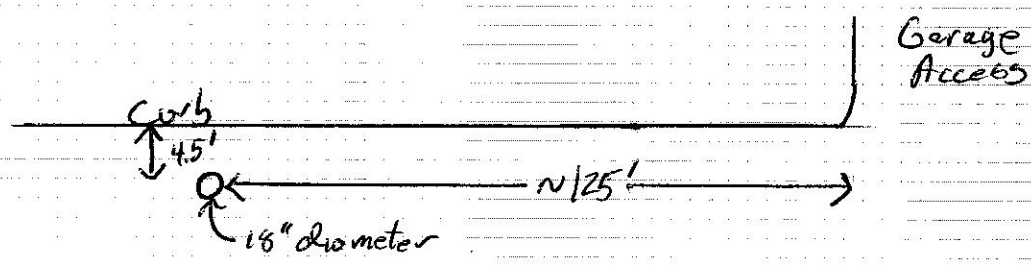
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**For CDPH Use Only**



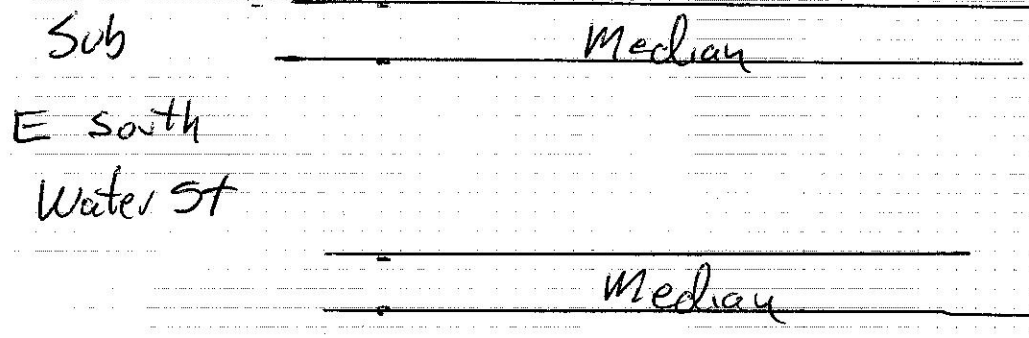
## SKETCH WITH GAMMA RESULTS

JOB TITLE Peoples Gas - 130 E South Water  
 JOB NO. 60157647.140 CALCULATION NO.         
 ORIGINATOR K Korczak DATE 9/25/20  
 REVIEWER S Korndorfer DATE 10/1/20  
 SCALE not to scale SHEET NO. 6 OF 1

Ludlum 2221 S/N 176 944  
 Cutoff Long cord 13,823 cpm  
                   short cord 6,110 cpm  
 Background  
                   Long cord 812 cpm  
                   Short cord 1,321 cpm



Garage Access



Depth	Max Gamma (cpm)	Curbs
0-12"	Pavement	} Long Cord
12"	1,500	
30"	1,200	
48"	1,200	
66"	1,100	
78"	1,300	