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

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

November 7, 2019

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

RE: 455 E Waterside Dr. – Service Line Installation
Permit No.: DOT1163655
Permit Address: 455 E Waterside Dr., Chicago, Illinois
AECOM Project No. 60157647.127

Dear Mr. Prasad:

Pursuant to conditions specified in the 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 October 29, 2019 for a trench excavation to install a new service line.

Surveying was performed within the excavation as the fill was removed at approximately 40 feet east of the intersection of N. Harbor Dr. and N. Harbor Service Dr. Refer to the attached annotated drawing for the approximate location of the excavation. The excavation was conducted to install a new gas service line. The work consisted of a several connected trenches leading into the Site from an existing in gas service main within N. Harbor Service Dr. The trench was approximately 20-feet long with varying depths between 4-feet to 5-feet below ground surface (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 6,620 (S/N: 172039) counts per minute (cpm) shielded. The field background measurement for the instrument was 2,000 cpm, observed at a nearby area with exposed soil.

The field gamma measurements within the trench during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 1,100 cpm to a maximum of 3,500 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 permit, annotated drawing documenting the area where work was performed and the tabulated gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter is being 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,

Andrew Kozak
Geologist

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

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

Attachments: Permit
Annotated Drawing and Gamma Results

PERMIT

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): William Krueger Signature: William Krueger

Site Address and Work Location (Describe exact site location and **attach map**): 455 E. WaterSide Dr.

Nature of Work: Install new gas service

Company Name, Address, Phone No.: Peoples Gas 4201 W. 36th Street , Chicago IL 60632

General / Prime Contractor Name, Address, Phone No.: KS Energy Services 3816 Carnation St. Franklin Park, IL 60131
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

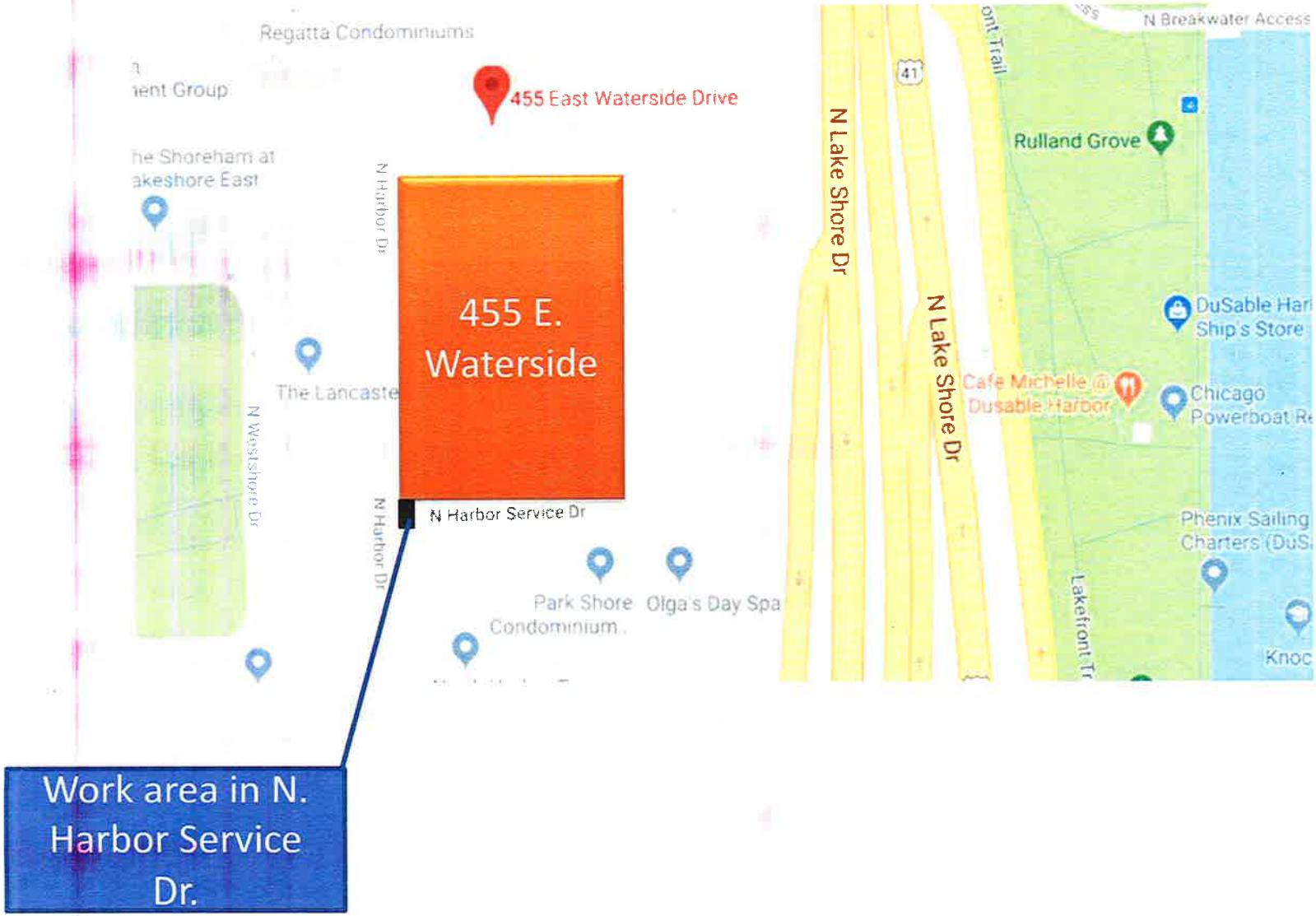
Check if City Department Work ☐ Department Name:

CDOT Permit No.: DOT#1163655

Today's Date: 10/7/2019 Expected Start Date: 10/21/2019 CDPH Approval / Date J Sleehan 10/8/19

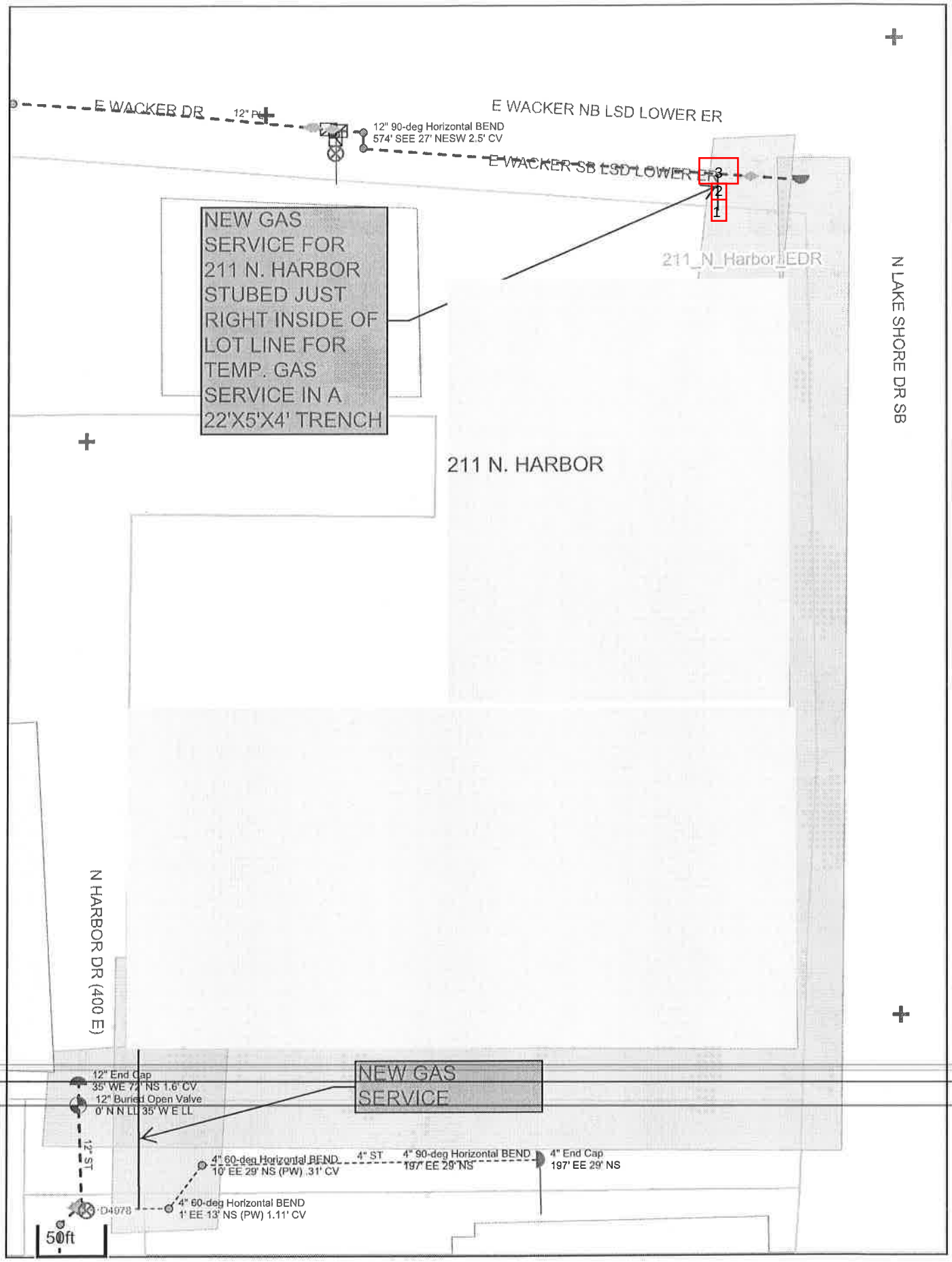
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only


Regatta Condominiums
455 East Waterside Drive
455 E. Waterside
N Harbor Dr
N Harbor Service Dr
N Westshore Dr
The Lancaste
Park Shore Condominium
Olga's Day Spa
N Lake Shore Dr
N Lake Shore Dr
41
Rulland Grove
N Breakwater Access
Cafe Michelle @ Dusable Harbor
Chicago Powerboat Re
Phenix Sailing Charters (DuS
Lakefront Tr
Work area in N. Harbor Service Dr.

ANNOTATED DRAWING AND GAMMA RESULTS

Peoples Gas / North Shore Gas NaviGate



1:1,107

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Gamma Survey Results
People's Gas

Survey Equipment

Location:	455 E Waterside Dr
Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR174406
Cutoff:	6,620 cpm
Background:	2000 cpm
Personnel:	K. Korczak
Date of Screening:	10/29/2019

Survey Results

Location	Depth (inches)	Readings
1	0-18	1200-1800
	18-36	1400-2000
	36-48	1600-2600
	48	3000-3500
2	0-18	1100-1600
	18-36	1600-2100
	36-48	1800-2700
	48	1900-2900
3	0-18	1100-1800
	18-36	1700-2200
	36	1600-2400
	48-60 (spoil)	1400-2100