

May 1, 2019

Mr. Andy Carbonaro
Evans Electric, LLC
2424 N 25th Ave.
Franklin Park, Illinois 60131

RE: Radiological Survey of Right-of-Way Utility Excavation
Digger No.: 600622718
Permit Address: 111 N Lake Shore Drive
AECOM Project No. 60538442

Dear Mr. Carbonaro:

Pursuant to conditions specified in a permit issued by the City of Chicago, radiation monitoring was required to be performed for several shallow trench excavations at the above referenced site. AECOM Technical Services, Inc. (AECOM) was contracted to conduct the required radiation monitoring on April 24, 2019 for trench work to install electrical conduit. The excavations were adjacent to the Lake Michigan in DuSable Harbor (refer to sketch). The maximum depth of excavation was approximately 18-inches 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 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 6,669 (S/N: 172039) counts per minute (cpm) shielded. The field instrument background gamma count for fill soil in the vicinity of the work area was 2,400 cpm shielded.

The field gamma measurements within the trench excavations did not exceed the stated instrument threshold and ranged from a minimum of 1,800 cpm to a maximum of 3,100 cpm shielded (refer to sketch). Based on field measurements 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 Chicago Department of Public Health (CDPH) permit form, a location drawing, and the gamma results have been included as attachments.

As part of the permit conditions, a PDF copy of this letter has been forwarded to Terry Sheahan at the CDPH and Verneta Simon (USEPA).

Please contact us with any questions you have regarding this letter.

Regards,



Andrew Kozak
Geologist



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

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

CDPH PERMIT FORM



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE - Private Property)

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. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, 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. Further, I will ensure that all work at the subject site, 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 CDPH and the United States Environmental Protection Agency (USEPA) 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): Andy Carbonaro

Signature: 

Site Address and Work Location (Describe exact site location and attach map): 111 N. Lake Shore Drive - DuSable Harbor
Excavation area just North of the harbor office from electrical transformer to seawall

Nature of Work: Repair / Replace electrical conduit and wiring and add transformer

Company Name, Address, Phone No.: Evans Electric, LLC - 2424 N 25th Ave., Franklin Park, IL 60131 - (708)544-4399

General / Prime Contractor Name, Address, Phone No.: Chicago Park District / Westrec Marinas - (312)741-3601

Include subcontractor information if applicable)

Safety Officer / Phone No.: N/A

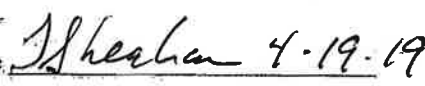
Radiation Contractor / Phone No. and email address (if applicable): AECOM - (312)373-7700 - Steve.Kornder@aecom.com

Check if City Department Work Department Name: N/A

CDOT Permit No. or Developer Services No.: N/A

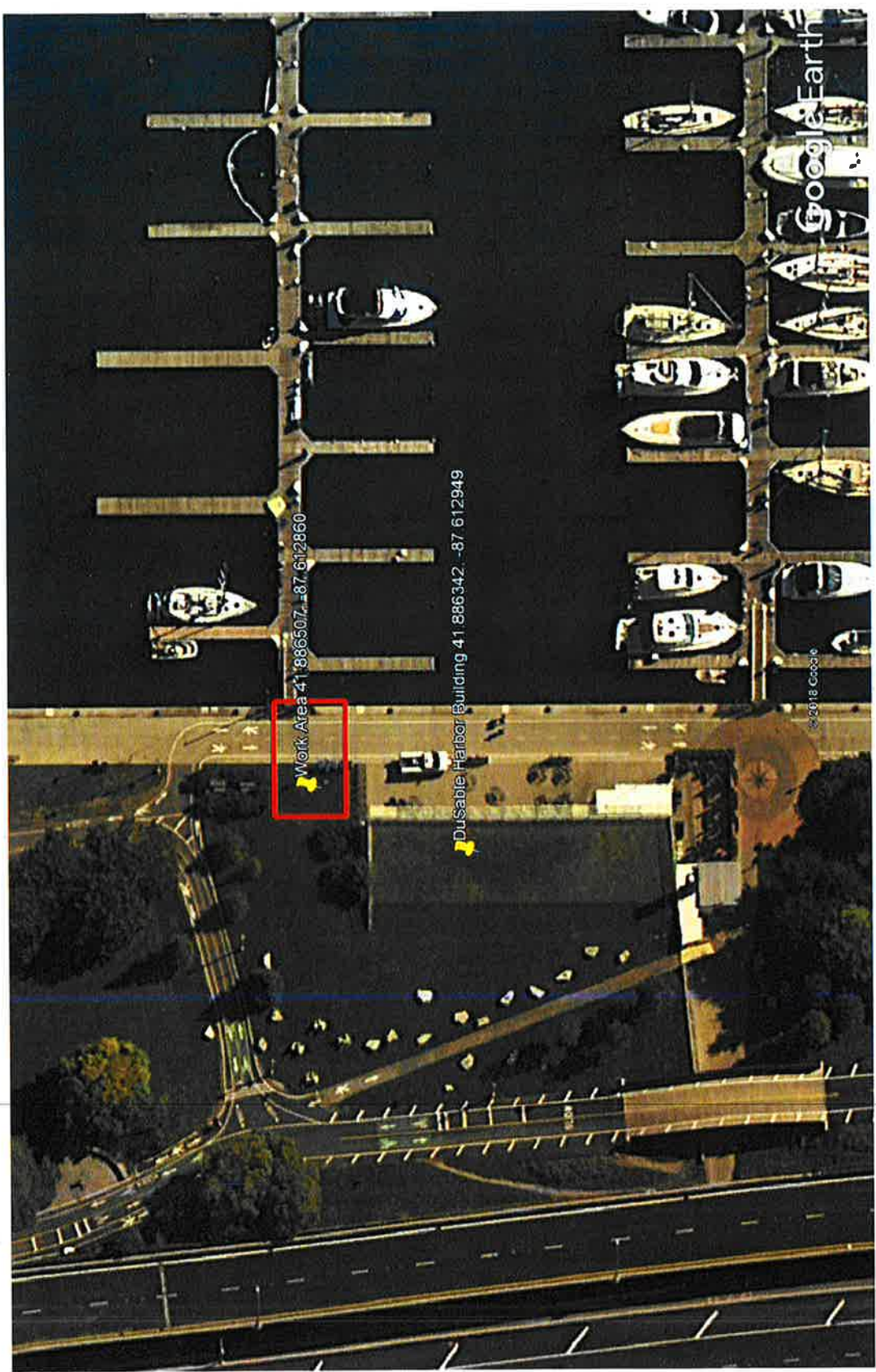
Today's Date: 4/18/2019

Expected Start Date: 4/24/2019

CDPH Approval / Date:  4-19-19

Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



Work Area 41.886507, -87.612860

Dusable Harbor Building 41.886342, -87.612949

Google Earth

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SKETCH

Wellen Ser#172039
 Permit # Dig #600622718
 Background: 2,400 cpm
 Cutoff: 6,669 cpm
 Screenshot: E. Sulita

Gamma Counts (Shielded)

Area	Depth	cpm Max.
①	0-18"	2,100
	@18"	3,100
②	0-18"	2,200
	@18"	3,100
③	0-18"	1,800
	@18"	2,400
④⑤	@12"	2,200

