



AECOM
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Chicago, Illinois 60606

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December 2, 2020

Mr. Chris Hanlon
Meade Electric Company
9550 W. 55th St., Suite A
Countryside, IL 60525

RE: Streeterville Thorium Monitoring Results
Permit No.: DOT1289373
Permit Address: 529-644 N Fairbanks Ct., Chicago, IL
AECOM Project No. 60586768.600

Dear Mr. Hanlon:

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 at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance from November 9, 2020, to November 18, 2020 for a trench excavations required to install communications conduit on public ROW on Fairbanks Ct. from Ohio St. to Ontario St. in Chicago, IL (refer to map included with CDPH form).

Surveying was performed in a 36-inch wide and approximately 400-foot long trench excavated on N. Fairbanks Ct. The excavation was excavated to depths between 32 and 48-inches. The excavation began at the southeast corner of Fairbanks and E. Ohio St. and continued north along N. Fairbanks before turning west at the north side of E. Ontario St. Refer to the attached drawing attached to the CDPH form for the approximate location of the excavation.

The monitoring did not indicate that the exported 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.

The location numbers in the attached results table correspond to the location (shown in red) on the annotated drawing. Field gamma measurements within the trench excavations did not exceed the instrument threshold previously stated, with a maximum count of 4,950 cpm shielded. The field instrument background count of nearby soils was measured at 2,160 cpm shielded. A copy of the CDPH form, annotated drawing, the tabulated gamma results and a photograph of a typical trench are included as attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

Project No.: 60586768.600
Permit Address: 529-624 N. Fairbanks Ct., Chicago, IL
Page 2

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
Annotated Drawing, Gamma Results and Photograph

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): MCI Metro Access Transmission Signature: Chris Hanlon

Site Address and Work Location (Describe exact site location and attach map): 530-545 N Fairbanks Ct

Nature of Work: Repairing collapsed conduit.

Company Name, Address, Phone No.: 2400 N Glenville, Richardson, TX 75082 (708)458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electric, 9550 W 55th St. Ste A, Countryside, IL 60525 (708)588-2500

Include subcontractor information if applicable Chris Halon 773-447-6627

Safety Officer / Phone No.

Radiation Contractor / Phone No. (if applicable) AECOM (262)515-7700

Check if City Department Work [] Department Name:

CDOT Permit No.: DOT1277452

Today's Date: 8/11/20 Expected Start Date: 8/12/20 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)

For CDPH Use Only

ANNOTATED DRAWING,GAMMA RESULTS AND PHOTOGRAPH

**Gamma Survey Results
Meade**

Survey Equipment

Location:	600 N. Fairbanks Ct., Chicago IL
CDPH:	1289373
Ludlum 2221 S/N:	172039
Cutoff (short cord):	6,933 cpm
Background:	2,160 cpm
Personnel:	Eric Sulita, Jen Bush (AECOM)
Date of Screening:	11/9, 11/10, 11/11, 11/12, 11/13, 11/16, 11/17, 11/18/2020

Survey Results

Location (N. Fairbanks Ct.) See Map	Depth (inches)	Maximum Readings (cpm)
1	0-18	concrete
	18	2,385
	23	2,670
	34	3,410
2	0-18	concrete
	18	2,680
	23	2,750
	34	2,550
3	0-18	concrete
	18	2,575
	23	1,860
	34	2,560
4	0-18	concrete
	18	2,780
	23	2,690
	34	3,300
5	0-18	concrete
	18	1,776
	23	2,120
	34	2,525
6	0-18	concrete
	18	2,230
	23	2,670
	34	3,390
7	0-18	concrete
	18	2,065
	23	2,655
	34	2,905
8	0-18	concrete
	18	2,310
	23	2,370
	34	2,370
9	0-16	concrete
	16	2,200
	16-32	2,890
	32	2,895

Survey Results

Location (N. Fairbanks Ct.) See Map	Depth (inches)	Maximum Readings (cpm)
21	0-16	concrete
	16	1,970
	16-32	2,720
	32	2,960
22	0-16	concrete
	16	1,995
	16-32	3,100
	32	3,710
23	0-16	concrete
	16	2,160
	16-32	3,105
	32	3,320
	32-48	2,890
24	48	2,690
	0-16	concrete
	16	1,760
25	16-32	3,001
	32	2,890
	0-16	concrete
26	16	1,920
	16-32	2,130
	32	2,770
27	0-18	concrete
	18	1,870
	18-32	1,890
	32	2,005
28	0-18	concrete
	18	1,920
	18-32	1,950
29	32	1,960
	0-18	concrete
	18	1,910
	18-32	2,005
30	32	3,000
	0-18	concrete

10	0-16	concrete
	16	2,880
	16-32	2,960
	32	2,980
11	0-16	concrete
	16	2,260
	16-32	2,970
	32	3,320
12	0-16	concrete
	16	2,050
	16-32	3,000
	32	3,150
13	0-16	concrete
	16	2,710
	16-32	2,960
	32	2,975
14	0-16	concrete
	16	2,830
	16-32	2,760
	32	2,970
15	0-16	concrete
	16	2,790
	16-32	2,910
	32	2,970
16	0-16	concrete
	16	3,000
	16-32	3,150
	32	3,210
17	0-16	concrete
	16	2,380
	16-32	3,100
	32	3,120
18	0-14	concrete
	14	2,250
	16-32	2,260
	32	2,465
19	0-16	concrete
	16	2,005
	16-32	2,300
	32	2,670
20	0-16	concrete
	16	2,010
	16-32	2,210
	32	2,380

29	0-18	concrete
	18	1,560
	18-32	2,120
	32	3,960
30	0-18	concrete
	18	1,910
	18-32	2,680
	32	4,010
31	0-18	concrete
	18	2,360
	18-32	3,360
	32	5,650
32	0-18	concrete
	18	2,280
	18-32	2,720
	32	3,010
33	0-18	concrete
	18	2,950
	18-32	2,920
	32	3,000
34	0-18	concrete
	18	2,720
	18-32	2,420
	32	3,150
35	0-18	concrete
	18	2,900
	18-32	2,520
	32	2,760
36	0-18	concrete
	18	2,950
	18-32	2,480
	32	2,950
37	0-18	concrete
	18	4,950
	24	3,970
	30	2,950
38	32	3,030
	0-6	concrete
	6	1,990
	6-18	2,480
	18-30	2,950
32	2,150	

PICTURE 1: VIEW OF THE EXCAVATION AT INTERSECTION OF FARIBANKS CT. AND ONTARIO ST., LOOKING SOUTHEAST.

