



AECOM
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Chicago, Illinois 60601

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June 19, 2013

Mr. Mike Jouras
People's Gas Light & Coke Co.
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 353656207
Permit Address: 525-535 N. St. Clair Street
AECOM Project No. 60157647

Dear Mr. Jouras:

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 March 4 and 7, 2013 for a test pit excavation to gather soil information for a larger future utility replacement project.

Surveying was performed for the soil removed from 6 -foot by 8-foot excavation within the southwest corner of N. St. Clair Street and E. Grand Avenue (see sketch) to a depth of approximately 6-feet below ground surface. The monitoring revealed no indication of soils above the specified clean-up threshold established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA threshold 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 made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 17,920 counts per minute (cpm) unshielded (6,425 cpm shielded). The field gamma background for the area was measured at approximately 7,100 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the unshielded threshold previously stated and ranged from a minimum of 7,700 cpm to a maximum of 9,400 cpm unshielded. Therefore, no indication was observed of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

As part of the permit conditions this letter has been forwarded to:

Chicago Department of Public Health
Attn: Ms. Rahmat Begum
333 South State Street, Rm. 200
Chicago, Illinois 60604

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

Regards,



Brian R. Schmidt
Project Scientist II



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

cc: Rahmat Begum, Chicago Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.PRPTY.02

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 33 N. LaSalle St., Suite LL-120, Chicago, Illinois 60602 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 744-3152 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 surveying conducted shall be provided to 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): Yolanda DelReal Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 520-535 N. St. Clair (SW, alley, traffic, curb)

Nature of Work: test holes & fitting replacement

Company Name, Address, Phone No.: Peoples Gas Light & Coke Co

General / Prime Contractor Name, Address, Phone No.: Tom Perez 312-287-4545

Include subcontractor information if applicable
Safety Officer / Phone No. Jack Wilken TB-542-7838

Radiation Contractor / Phone No. (if applicable) AECOM 847-279-2448

Check if City Department Work Department Name: _____

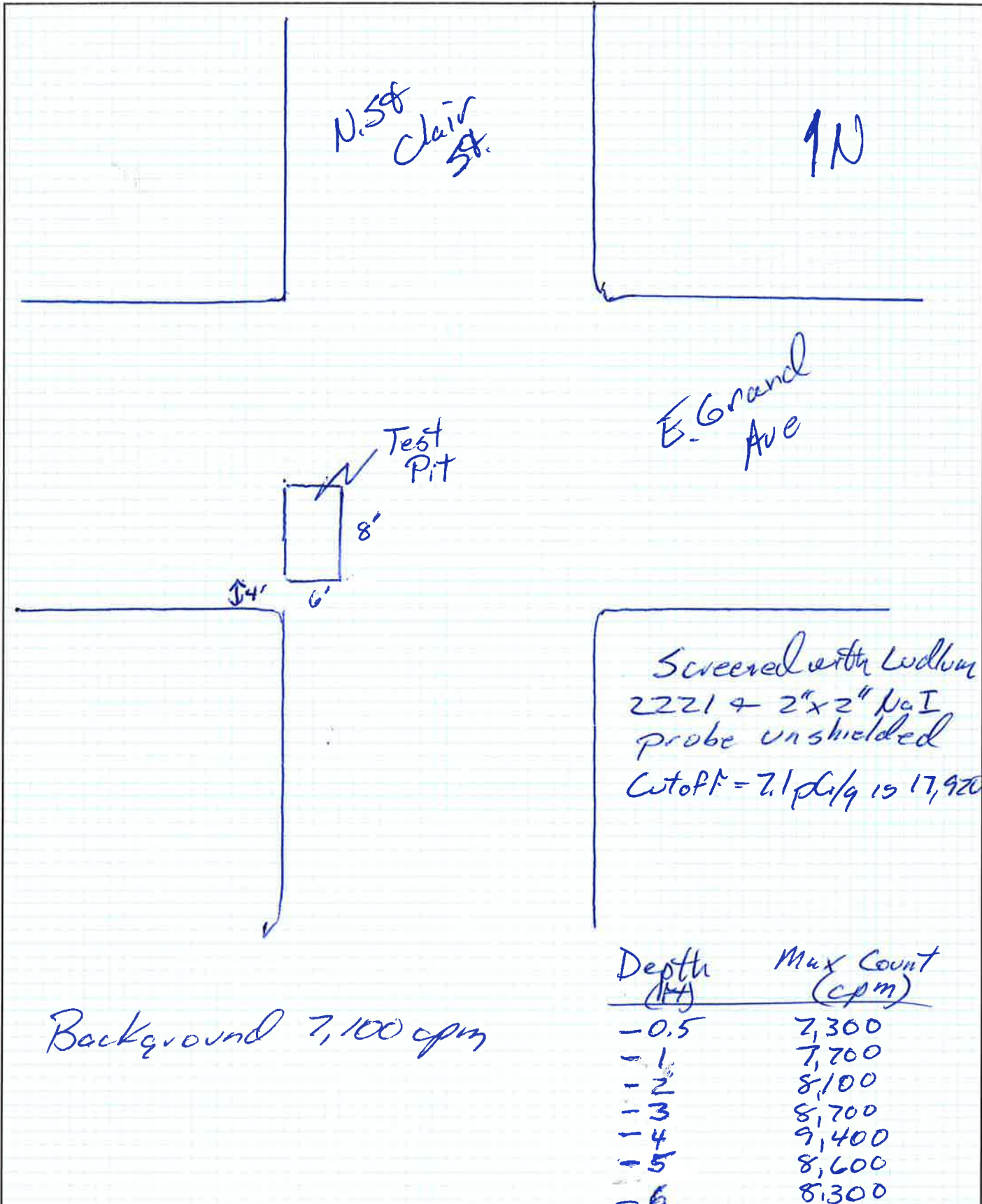
CDOT Permit No. or Developer Services No.: 353656207

Today's Date: 2/21/13 Expected Start Date: 2/25/13 CDPH Approval / Date: Rahmatunisa Begum 2/21/2013

Please return this completed form to the Chicago Department of Public Health at 33 N. LaSalle St., LL120, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

JOB TITLE 320-535 N St Clair St.
 JOB NO. 60157647 CALCULATION NO. _____
 ORIGINATOR K R DATE 3/7/13
 REVIEWER SCW DATE 6/19/13
 SCALE none SHEET NO. 1 OF 1



Screened with Ludlum
 2221 + 2"x2" NaI
 probe unshielded
 Cutoff = 2.1 d/s is 17,920 cpm

Background 7,100 cpm

Depth (ft)	Max Count (cpm)
-0.5	7,300
-1	7,700
-2	8,100
-3	8,700
-4	9,400
-5	8,600
-6	8,300