AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

December 8, 2014

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.: 472596239
Permit Address: 201 East Grand Avenue
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 the day of October 22, 2014 for an excavation to install an anode on an existing gas service line for an address located at 201 East Grand Avenue.

Surveying was performed on the soil removed from a 3-foot by 5-foot trench excavation within the roadway located just east of the intersection of St. Clair Ave. and Grand Ave. (see sketch). The top of the gas main was located slightly below the pavement subgrade at a depth of about 15-18 inches. The maximum depth of the excavation was approximately 3-feet below ground surface, which was required for the anode installation. Backfill in the vicinity of the gas main was primarily urban fill soil with some clean tan sand. The monitoring revealed no indication of fill soils above the clean-up value established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA cleanup value 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 threshold indicative of the 7.1 pCi/g cleanup value is 18,279 counts per minute (cpm) unshielded (6,282 cpm shielded). The field gamma background for the area was measured at approximately 7,200 cpm unshielded. The field gamma measurements within the excavation and of the spoil materials generated during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 5,800 cpm to a maximum of 9,200 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

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

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

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 Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

PERMIT

DEPARTMENT OF PUBLIC HEALTH

CITY OF CHICAGO

MEMORANDUM

TO:

Mary Fulghum
USEPA Region V
Lindsay Light II Site, Office of the Regional Counsel
77 W. Jackson Blvd.
Chicago, Illinois 60604

Mr. Vincent S. Oleszkiewicz
Leech Tishman, Fuscaldo & Lampl. LLC
4225 Naperville Road, Suite 230
Lisle, IL 60532

Roy Widman
Tronox LLC
3301 N. W. 150th St.
Oklahoma City, OK 73134

FROM: **Raul Valdivia, Ph. D., Chief Engineer**
City of Chicago Department of Public Health

SUBJECT: **Notification of Permit Application – Lindsay Light II Site**
DATE: 9/11/2014 201 E. Grand

Pursuant to Condition 10(a) of the Right-of-Way Agreement dated September 27, 1999, this is to inform you that a permit has been applied for with the City of Chicago Department of Transportation to conduct subsurface activities at the subject right-of-way. The applicant has contacted this Department and has reviewed additional information regarding potential contamination at the subject site (see attached form DOE.ROW.01).

If you have any questions, please do not hesitate to call me at (312) 744-5711.
Attachment

cc: Mort Ames, City of Chicago Department of Law (via fax 742-3832)
Eugene Jablonowski, USEPA (via fax 312-353-9281)

Last updated March 15, 2010

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 G. Oliver Signature: Maria G. Oliver

Site Address and Work Location (Describe exact site location and **attach map**): 201 E. Grand

Nature of Work: Corrosion Work -

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

General / Prime Contractor Name, Address, Phone No.: Robert Herman (773) 542-7842
Include subcontractor information if applicable)

Safety Officer / Phone No. Jerry Gross (312) 542-7927

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

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: 472596239

Today's Date: 9/11/14 Expected Start Date: 9/15/14 CDPH Approval / Date Rahmatunisa Begum 9/11/2014

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

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integrys

Locate

Map: Facility

Search: Address (PGL)

201 E GRAND

Ex: 9116 S La Salle, 9116 la sal

To House No	201
Street Dir	E
Street Name	GRAND
Street Type	AVE
City	CHICAGO
State	IL
Material/Kind	Gas Main Corrosion Protected Coated St
Pressure	MEDIUM
Size	6
Pipe Insert Size	0
Installation Year	1983
Footage Length	21
From Feet	15
From Dir	W E LL
From Street Dir	N
From Street Name	ST CLAIR
From Prod	
From At Ft	23
From At Dir	N S LL
From At Prod	
To Ft	6
To Dir	E E LL
To Street Dir	N
To Street Name	ST CLAIR

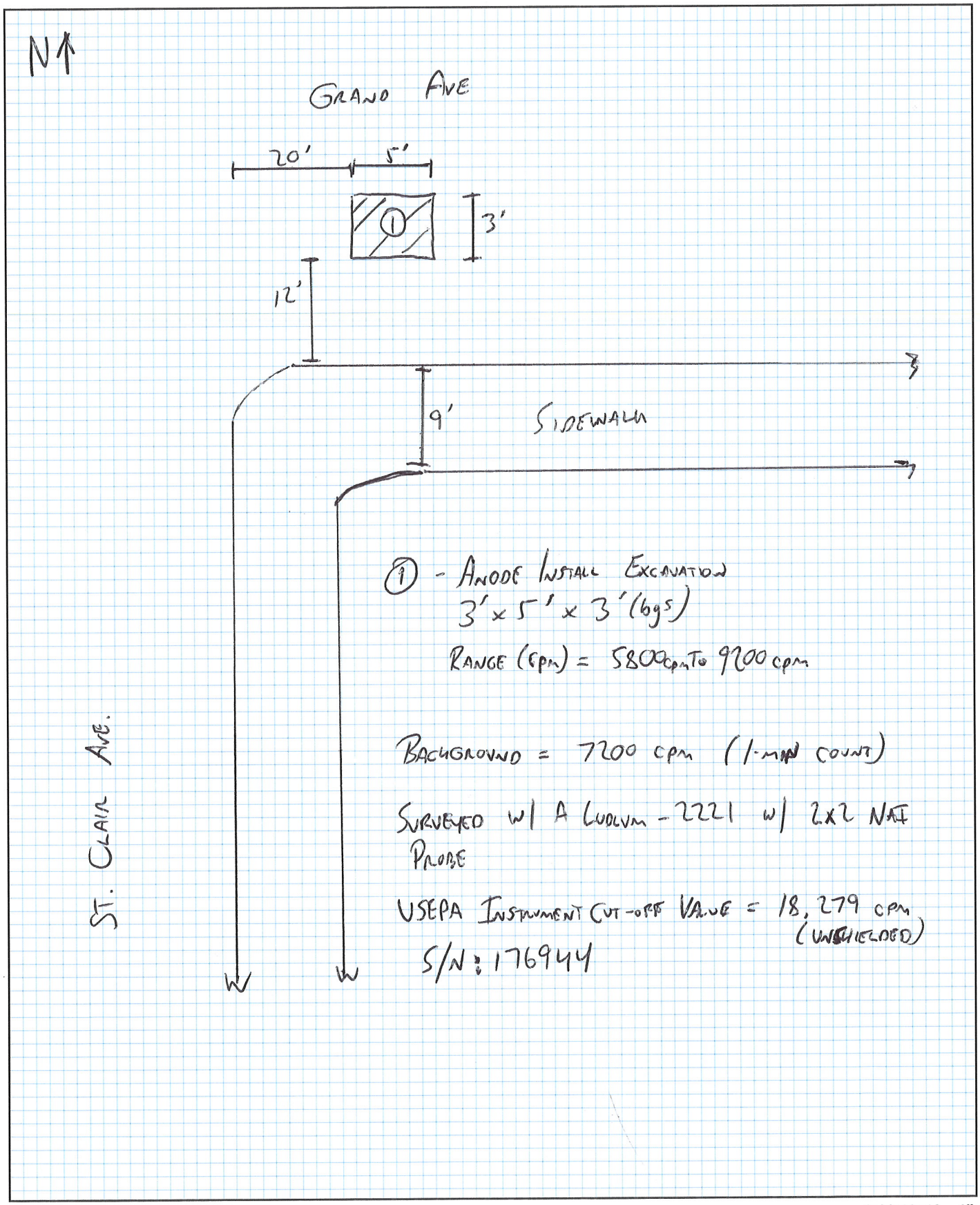
Lon:-87.622516, Lat:41.891585

1 Gas Main - Faci

SKETCH

AECOM

JOB TITLE INTEGRYS - 201 E. GRAND AVE. RW RAD INVESTIGATION
JOB NO. 60157647 T. 52 CALCULATION NO.
ORIGINATOR STEVE KORNDER DATE 10/22/14
REVIEWER BRIAN SCHMIDT DATE 12/8/14
SCALE N/A SHEET NO. 1 OF 1



① - ANODE INSTALL EXCAVATION
3' x 5' x 3' (bgs)

RANGE (cpm) = 5800 cpm TO 9200 cpm

BACKGROUND = 7200 cpm (1-min count)

SURVEYED W/ A LUDLUM - 2221 W/ 2x2 NAI PROBE

USEPA INSTRUMENT CUT-OFF VALUE = 18,279 cpm (UNSHIELDED)

S/N: 176944

Grid: 10x10 = 1"