



AECOM
100 S. Wacker Drive, Suite 500
Chicago, Illinois 60606

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

June 21, 2017

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.: DOT806712
Permit Address: 401-05 East 26th Street
AECOM Project No. 60157647

Dear Mr. Jouras:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago of Fleet and Facility Management (2FM), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on June 9, 2017 for an excavation on the street to adjust a manhole cover and regrade the existing basin.

Surveying was performed on the limited amount of fill and cinder blocks removed from an 18-inch hand excavated manhole at South Martin Luther King Drive and East 26th Street (see sketch) to a depth of 3-feet below ground surface required to adjust a manhole cover and regrade the existing basin. The gamma probe was lowered into the manhole excavation at 12 to 15-inch intervals to collect readings. Backfill in the vicinity of the gas main was primarily tan sandy fill.

A cleanup criterion has not been approved for this area. Therefore, the per the City of Chicago monitoring program the field instrument threshold for potentially radiologically contaminated material is conservatively set at twice the field instrumentation background. Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). The field instrumentation gamma background for the surrounding area outside the excavation based on multiple measurements using a shielded probe was approximately 3,050 counts per minute (cpm) shielded. Thus, twice this field instrumentation background, or 6,100 cpm, was considered as the conservative indicator of potential contamination.

The excavation monitoring revealed no gamma counts above twice the field instrument background. The field gamma measurements within the excavation ranged from a minimum of 1,370 cpm to a maximum of 4,400 cpm shielded. Thus, there was no indication of the presence of radiologically contaminated material and/or an exceedance of twice the project specific field instrument background.

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

Chicago Department of Fleet and Facility Management
Attention: Ms. Abigail Mazza
30 N. LaSalle St., Suite 300
Chicago, Illinois 60602

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



Naren Babu, P.E.
Environmental Engineer



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

cc: Abigail Mazza, 2FM

Attachments: Permit
Sketch

PERMIT



DEPARTMENT OF FLEET AND FACILITY MANAGEMENT
CITY OF CHICAGO

FORM NO. 2FM.RADIUM.ROW.06 (CARNOTITE Right-of-Way and City-Owned Property)

Notice is hereby given that environmental contamination associated with the former Carnotite Reduction Company (Carnotite) site may be present within or near the location for which you have requested a permit. Proper safeguards must be employed when performing work at this site in order to avoid potential threats to human health and safety and the environment. The Illinois Emergency Management Agency (IEMA) is the lead regulatory agency for contamination associated with the Carnotite site.

A file containing detailed information regarding the environmental contamination which may be present in the vicinity of the proposed work location is available for review at the City of Chicago Department of Fleet and Facility Management (2FM) at 30 N. LaSalle St., 3rd Floor, Chicago, Illinois 60602 during normal business hours (8:30AM - 4:30PM, Monday through Friday). Contact (312) 744-7204 for an appointment. If the proposed work at the site involves excavation, exposure of soil, or soil disturbance, this file must be reviewed and the remainder of this form completed before the permit can be issued. **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 2FM regarding potential environmental contamination at the site. Further, I will ensure that all work at the 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 2FM for forwarding to IEMA and the United States Environmental Protection Agency (via fax to 312.692.2469 or 312.692.2466) **within two (2) weeks of their completion.** If surface gamma scans exceeding two times the background count rate are detected, I will follow the Carnotite site's **Utility Emergency and Maintenance Plan (Plan)** and immediately contact 2FM (see the Contact List in Attachment 4 of the Plan) for further instructions and so they can coordinate with IEMA. I will also immediately notify the United States Environmental Protection Agency at (312) 353-2318 and request connection to Verneta Simon or Dan Haag.

Applicant Name (print) Maria G Oliver Signature *Maria G. Oliver*

Site Address and Work Location (Describe exact site location and attach map): 401-405 E 26th St
Work to be performed at the SE corner in the street

Description of Work: Regrade Valve basin
(Attach additional details as necessary)

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

General / Prime Contractor Name, Address, Phone No. Mario Martinez 773-672-6254
(Include subcontractor information if applicable)

Safety Officer / Phone No. Liveida Monsalve 773-794-6869

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

Check if City Department Work Department Name _____

Permit No.: DOT806712

Today's Date 6/1/2017 Expected Start Date 6/7/2017 2FM Approval / Date *Audrey Mayza / 6/1/17*

Please return this completed form and location map to 2FM at 30 N. LaSalle St., Suite 300, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).

For 2FM Use Only Revised August 10, 2016



E 26TH ST (2600 S)

S DR MARTIN LUTHER KING JR DR (400 E)

12 PL

N6960

12 ST

6 PL

E 26TH ST (2600 S)

16 DI

4 ST

16 DI

Will regrade a basin.
Opening should be no bigger than 5' x 5' and no deeper than 3'. The Opening will be mostly comprised of the existing basin.

Permit # DOT806712

**DOT Public Way Opening
Opening in the Public Way**



City of Chicago
Department of Transportation
(312) 744-4652

Received Date: May 25, 2017 1:45 pm

**121223
ISSUED**

PEOPLES GAS
200 E RANDOLPH ST
CHICAGO, IL 60601
U.S.A.

OLIVER, MARIA G (312)240-4692

PERMIT DATES

May 27, 2017 through June 26, 2017

PERMIT DETAILS

Ward(s): 04

Public Way Opening for the purpose: MAIN MAINT

Excavation may commence on May 27, 2017 - NO SOONER

401 - 405 E 26TH ST - Number of Openings: 1

Curb Lane, Parkway, Sidewalk, and Traffic Lane

5 Ft (L) x 3 Ft (W) x 3 Ft (D)

Additional Information:

O&M;

Subcontractors:

Peoples Gas
200 E Randolph St
Chicago, IL 60601
U.S.A.
(312)240-4694

G CONSTRUCTION CO
8900 S HOLLAND ROAD
CHICAGO, IL 60620
U.S.A.

SEVEN-D CONSTRUCTION CO
2000 W 43rd St
CHICAGO, IL 60609
U.S.A.
(773)735-0401

RABINE PAVING, LLC
900 NATIONAL PARKWAY #260
SCHAUMBURG, IL 60173
U.S.A.
(847)995-0555

M & J ASPHALT
3124 S. 60TH COURT
CICERO, IL 60804
U.S.A.
(708)222-1200

FIRST CHOICE LANDSCAPING CO.
8303 CLOVERVIEW DR.
TINLEY PARK, IL 60477
U.S.A.
(708)441-5348

CHRISTY WEBBER & CO
2900 WEST FERDINAND ST
CHICAGO, IL 60612
U.S.A.
(773)533-0477

Restrictions:

1. If Arterial Street Outside CBD, Then Start no earlier then 9:00 A.M. and end no later then 4:00 P.M.
2. Contractor must notify DIGGER at 312-744-7000 no less then 48 hours (exclusive of Saturdays, Sundays and Holidays) but no more then 14 calendar days in advance of the start of the excavation or demolition, unless the excavation date was provided with the application and remains unchanged. Prior to 26 calendar days the Contractor must notify DIGGER to renewal the dig date! It is the Excavator's responsibility to request refreshing of marks when needed, but no longer than 28 calendar days after the last requested date. When applicable, all excavation areas are to be clearly marked in safety white paint prior to calling DIGGER. White paint is not required for joint meets or emergency work. Excavators requesting dig tickets are responsible for the protection of utility markings at the job site. Any markings of underground utilities utilizing utility colors must be done by facility owners or authorized agents only.
3. A copy of the permit must remain on-site for inspector's review.
4. If Non-Arterial Street Outside CBD, Then Start no earlier then 7:00 A.M. and end no later then 3:00 P.M.
5. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
6. All work shall be in accordance with CDOT Rules and Regulations for Construction in the Public Way and City of Chicago Municipal Code. Work to be performed as per plans and specifications. All traffic control will be the responsibility of the contractor, and must comply with all CDOT and MUTCD standards.
7. Contractor must secure plating over all openings in the roadway and secure all sidewalk/parkway openings during non-working hours until such time when the road surface is restored.
8. No work in or use of the public right of way is to be done when a special event is taking place. It is up to the applicant to determine if an event is scheduled. To obtain a listing of programs or events within the City of Chicago please dial 311 when you are within the City boundaries.

DOT806712: 401-405 E 26TH ST - THERE ARE NO CONFLICTS WITH CDOT MANAGED IRRIGATION UTILITIES AT THE REQUESTED LOCATION, HOWEVER, NO ACCESS INTO ANY LANDSCAPED MEDIAN, BOULEVARD, AND OR STREETScape WILL BE ALLOWED FOR ANY REASON.

Work involves excavating around an existing basin (5' by 5' and 3' deep) to re-grade. Work is outside license area and Monitoring is required to be provided by the utility. They submitted the required form committing to the monitoring (AECOM).

Fees:

06/01/2017 DOT_PWO - Street Opening Fee

CAPS:	AH04
Amount: \$	501.00

Total Fees: \$501.00

EFFECTIVE DATES OF PERMIT

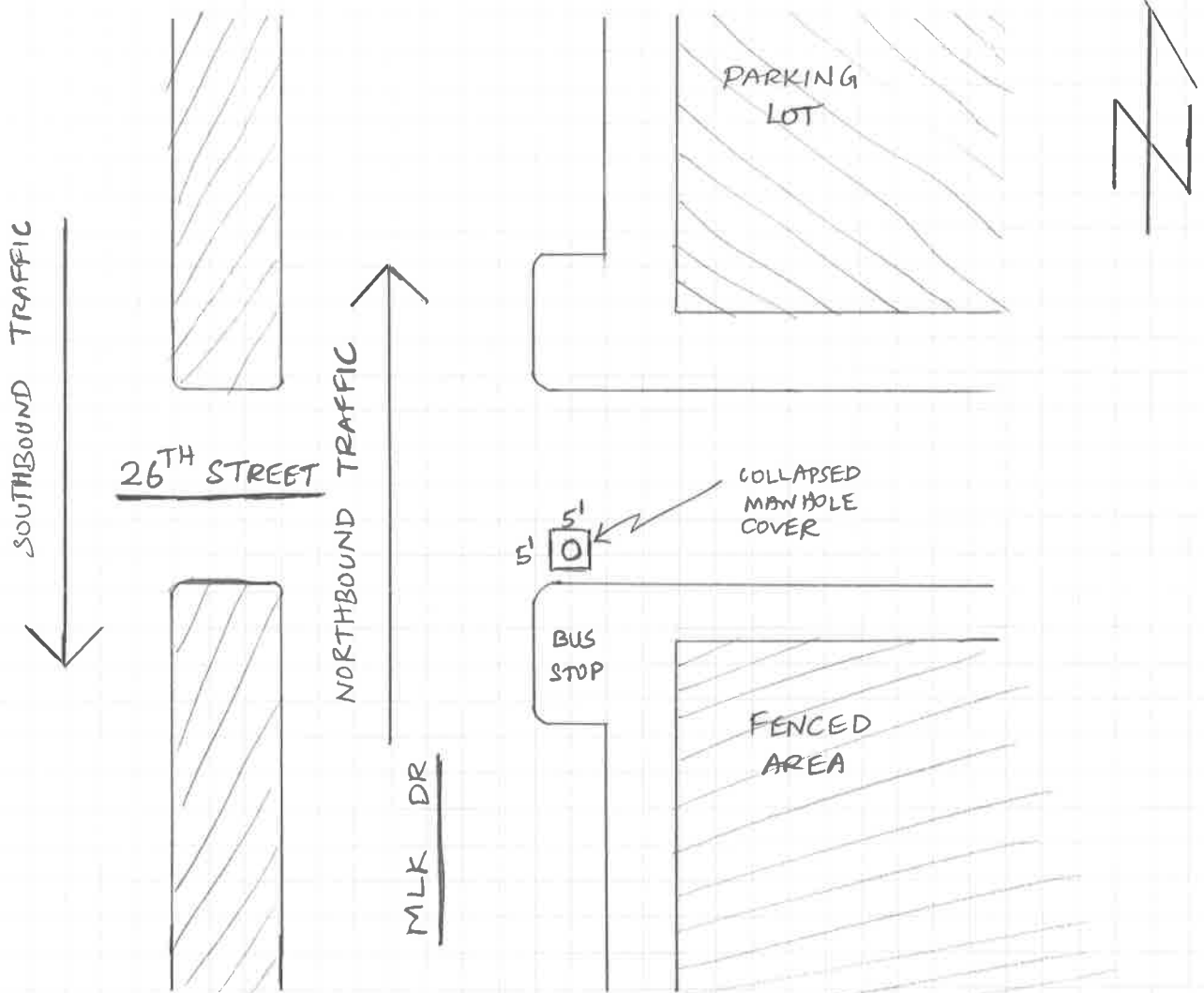
Current: May 27, 2017 through June 26, 2017 (Input date: May 25, 2017 1:45 pm)

END OF PERMIT

SKETCH

Survey Equipment:

Ludlum 2221 S/N: 176944
 Probe 2x2 NaI S/N: RN21187
 unshielded : 17,270 cpm
 shielded : 6,175 cpm
 Background : 3,050 cpm
 Personnel : N. Babu



<u>Depth</u>	<u>CPM</u>
0 - 18"	1,600 - 3,990
18" - 36"	6,500 - 4,400