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

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

September 15, 2015

Mr. Mike Jouras
Peoples Gas Light & Coke Co.
Environmental Services Department
200 E. Randolph Street, 24th Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 568374688
Permit Address: 225 E. Grand Ave
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 September 2 and 3, 2015 for an excavation on the street to install a service line to the Optima structure that is currently under construction.

Surveying was performed on the soil removed at 225 E Grand Ave. (see drawing and sketch) to a depth of 4-feet below ground surface (bgs) required to perform maintenance on the existing gas service piping. The excavation was approximately 15-foot long by 4-foot wide with an additional perpendicular trench 6-foot long by 12-foot wide. The depth of the trench ranged from 36 to 48 inches below ground surface (bgs).

The monitoring did not indicate that the fill soils were above the cleanup 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.

The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 5,300 cpm to a maximum of 9,700 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. A copy of the permit and a field sketch documenting the area where work was performed have been included as attachments.

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,

Andrew Kozak
Environmental Engineer

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

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

Attachments: Permit

PERMIT

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**): 225-240 E. Grand Av.

Nature of Work: Test Holes

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

General / Prime Contractor Name, Address, Phone No.: Ed Gondon, (773) 542-7954
Include subcontractor information if applicable

Safety Officer / Phone No. Jerry Gross (773) 542-7927

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

Check if City Department Work ☐ Department Name:

CDOT Permit No.: 568374688

Today's Date: 7/28/15 Expected Start Date: 7/30/15 CDPH Approval / Date Rahima Tunisa Begu 7/28/2015

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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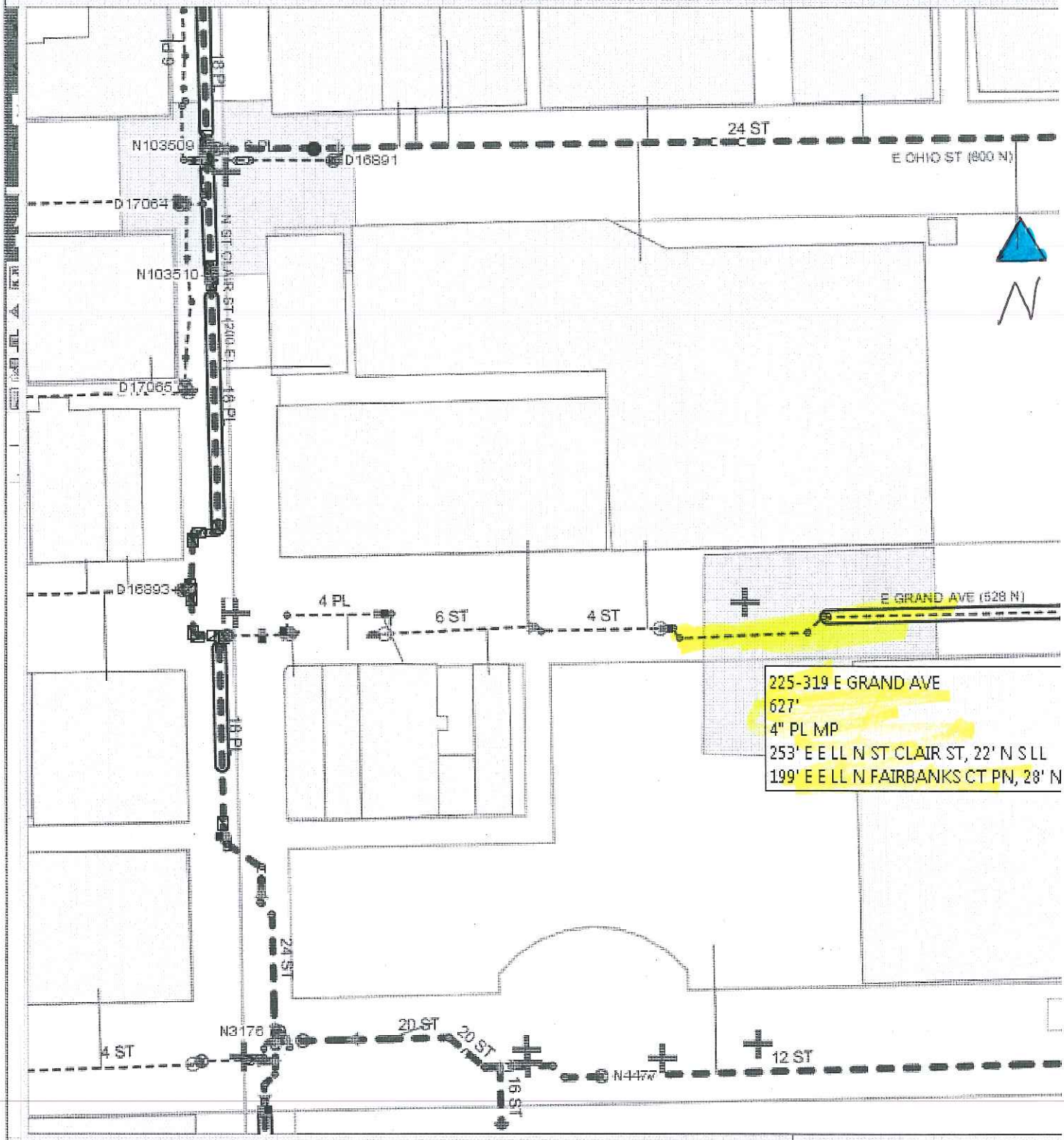
Permits List | PowerNet Secure Login | Integrys Navigate

integrys

Locate



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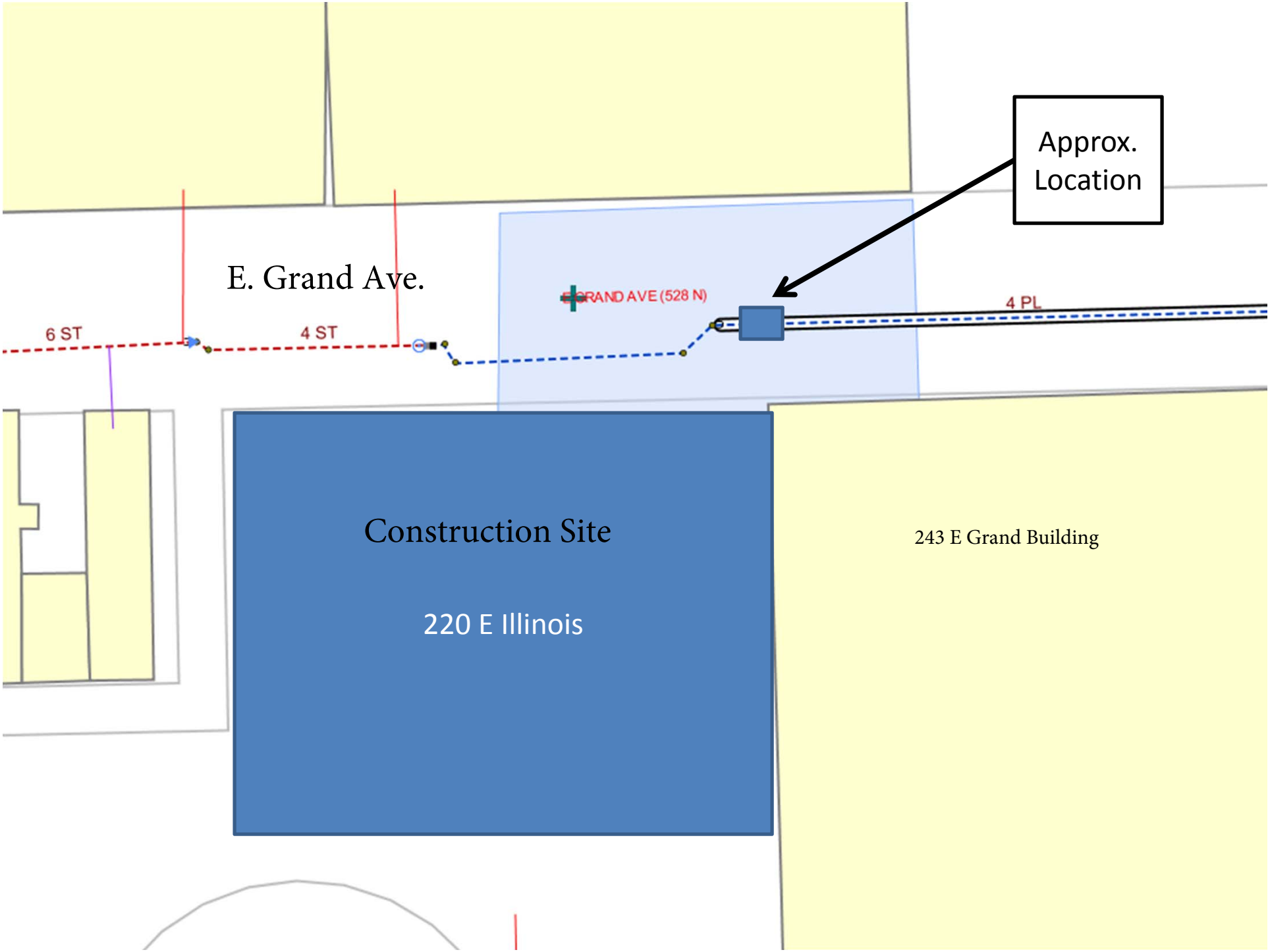
0 object(s) selected

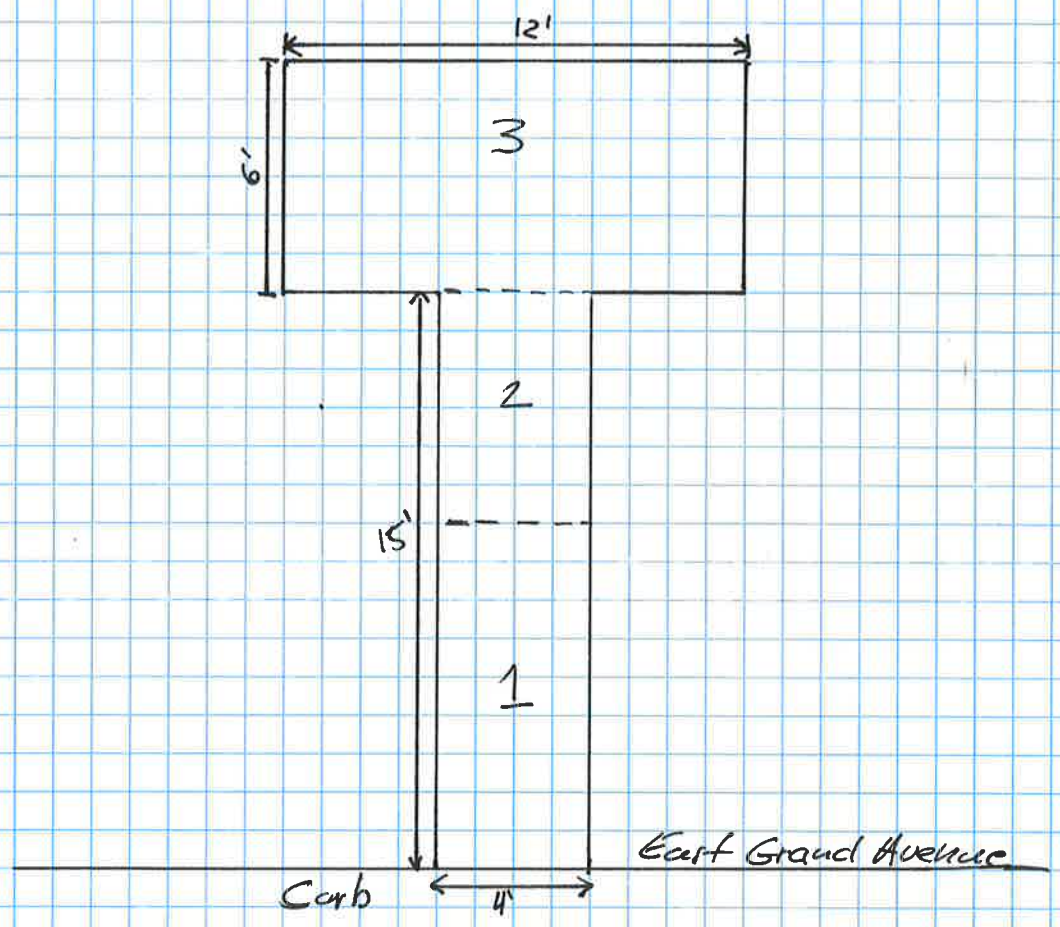
DRAWING AND SKETCH


Approx. Location
E. Grand Ave.
E GRAND AVE (528 N)
4 PL
6 ST
4 ST
Construction Site
220 E Illinois
243 E Grand Building

AECOM

JOB TITLE Optima (People's Gas)
JOB NO. 60157647 Task 62 CALCULATION NO. —
ORIGINATOR Andrew Kozak DATE 9/2/15, 9/3/15
REVIEWER Steve Korender DATE 9/11/15
SCALE — SHEET NO. 1 OF 1

Survey Equipment
Ludlum - 2221 / Probe 2x2 NaI
S/N 176944 S/N RN21187
Shielded: 18,279 cpm
Background: 7,085 cpm



Survey Readings

1 Depth	Reading (cpm)	2 Depth	Reading (cpm)	3 Depth	Reading (cpm)
0"-12"	7,800 - 8,900	Same as 1	Same as 1	0-12"	5700-7400
12"-36"	5,300 - 7,100	Same as 1	Same as 1	25"	8200-9700
36"-45"	6,700 - 7,500	48"	8945	36"	8200-9700
				48"	8500-9200

Grid: 5x5 = 1 in