17-65217

FILE COPY

0316055033-Cook
Chicago/American Drapery Cleaners
SR/TECH

environmental services, inc.

August 1, 2017

Mr. Jeffrey J. Guy
Illinois Environmental Protection Agency
Bureau of Land - Remedial Project Management Section
Site Remediation Program
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Re: Response Letter

Location: 0316055033-Cook County
Chicago/American Drapery Cleaners
Site Remediation/Technical Reports

Dear Mr. Guy:

The following is a response to comments listed in the Illinois Environmental Protection Agency (IEPA) letter dated June 28, 2017, (Appendix 6) for the above referenced location (the Site). For clarification purposes, IEPA comments are italicized font and EPS Environmental Services, Inc. (EPS Environmental) responses are in normal font.

1. *All the removed/existing underground storage tanks (USTs) mentioned in Section 1.4 of the report should be identified on a figure along with all sampling points in support of the site sampling plan presented in Section 1.6. Section 1.4 identifies the following:*

    - *One (1) removed 150-gallon naphtha UST;*
    - *One (1) removed 100-gallon naphtha UST ;*
    - *One (1) removed 750-gallon naphtha UST; and*
    - *One (1) currently in use 600-gallon naphtha UST.*

See Appendix 1, Figures 2 and 3 for revised figures.

2. *In addition, Section 1.4.1 state that the following permits were issued:*

    - *A permit to remove three (3) 700-gallon USTs;*
    - *A permit to install one (1) 600-gallon UST;*
    - *A permit to abandon three (3) 700-gallon USTs; and*
    - *A permit to install one (1) 2,000-gallon fuel oil tank.*

Page 5 states that no record of removal of the 2,000-gallon fuel oil tank was identified.

7237 West Devon Avenue • Chicago, Illinois 60631
(773) 792-3090 Fax (773) 792-3091

Refer to Comment #3 below.

3. *In summary, please provide a figure identifying the location of all tanks referenced in Comments 1 and 2 above along with all sampling points. In addition please include the approximate location of the reported release in 1995 (Incident No. 95028). If the tank location cannot be identified, a site-wide ground penetrating radar (GPR) survey should be performed. Further sampling may be warranted.*

See Appendix 1, Figures 2 and 3 for revised figures depicting the locations of the removed, abandoned, and currently-in-use USTs at the Site. It should be noted, no additional historic sources reviewed confirmed the presence of the 2,000-gallon heating oil UST, nor was there any physical evidence of the UST (e.g. vent or fill pipes) observed during any of the field work conducted at the Site. Soil Samples NF, WF, SF, EF and NB were obtained immediately adjacent to the removed, abandoned and currently-in-use USTs at the Site. No concentrations of contaminants of concern exceeded the TACO Tier 1 or Tier 2 SROs for residential land use or Class II Groundwater in any of the analyzed soil samples.

In an attempt to confirm or deny the presence of the 2,000-gallon fuel oil UST, a magnetometer survey was conducted on July 17, 2017 utilizing a Schonstedt Instruments Model MAC-51B magnetometer. A magnetometer will detect subsurface ferrous materials, but will not identify other materials which are not ferrous, such as fiberglass USTs. The magnetometer survey identified ***no metallic anomalies*** resembling the size and shape of USTs. See Appendix 3 for a photographic documentation of the interior of the south building layout, and Appendix 1, Figure 2 for a copy of the sewers transecting the Site.

According to review of Sanborn Fire Insurance Maps, all of the structures currently located on the Site were present in 1950, the same year as the issuance of the 2,000-gallon fuel oil UST. Based on information provided by the Remedial Applicant (RA) and Site drawings, the boiler room was located in the north portion of the south Site building. Due to the configuration of the Site and the adjacent properties it is unlikely for the suspect UST to have been located in the courtyard between the north and south structures. However, to rule out this possibility, EPS Environmental advanced three (3) soil borings (GP-3, GP-4 and GP-5) in accessible areas adjacent to the boiler room. The soil samples were analyzed for VOCs and SVOCs, contaminants associated with heating oil. Based on the results of the soil samples, no concentrations of contaminants of concern exceeded the TACO Tier 1 or Tier 2 SROs for residential land use and Class II Groundwater. See Appendix 4 for a copy of the Sanborn Fire Insurance Maps, and Appendix 1, Figure 2 for the location of the boiler room and soil borings conducted.

4. *More information is needed as related to the site-specific sampling plan. Please provide a discussion regarding the sampling rational as related to all historical/existing tanks. Please provide a narrative discussion and summary table and provide reference to supporting figure(s) as necessary.*

The following building permits were reviewed from the City of Chicago Building Department:

Table 1: Site Building Permits
2235-2239 West Roscoe Street, Chicago, Illinois

Tank(s)	Size (gallons)	Contents	Permit	Date Issued	Completion
3	700	Not specified	Tank Abandonment	10/4/1995	4/4/1997
1	600	Not specified	Installation	11/30/1995	Permit Extension
3	700	Naphtha	Tank Removal	10/31/1996	1/13/1997
2	100	Unknown	Tank Removal	Not listed	1/13/1997
1	600	Naphtha	Installation	11/19/1996	Not Specified
1	2,000	Fuel oil Tank	Installation	6/12/1950	Not Specified

The following information was provided by the Illinois Office of the State Fire Marshal (OSFM):

Table 2: OSFM Tank Information
2235-2239 West Roscoe Street, Chicago, Illinois

Tank(s)	Size (gallons)	Contents	Status	Date
1	150	Naphtha	Removed	1/13/1997
1	100	Naphtha	Removed	1/13/1997
1	750	Naphtha	Removed	4/1/1998

45-Day Report and Corrective Action Completion Report

A *45-Day Report* and *Corrective Action Completion Report (CACR)* prepared for the Site by Schrack Environmental Consulting, Inc. (Schrack) dated October 9, 1997, was included in the *Focused Site Investigation Report*, *Remediation Objectives Report*, and *Remedial Action Plan* submitted to the IEPA on August 19, 2017. According to the CACR, the report was completed to provide the IEPA with soil and groundwater data to obtain a No Further Remediation Letter for the 1995 release.

Based on the information provided by the RA and UST removal/abandonment permits provided by the City of Chicago Department of Environment, three (3) 700-gallon naphtha USTs were removed and three (3) 1,000-gallon naphtha USTs were abandoned-in-place at the Site. This information corresponds to the City of Chicago Building department permits, but does not correspond with the information provided by the Illinois OSFM. A clerical error is presumed to be the case in regards to mislabeling of the USTs on-Site. See Appendix 5 for a copy of the *45-Day Report*, CACR and associated permits.

Sampling Rationale

As described in the CACR, a total of six (6) soil samples (WF-5', NF-5', EF-5', SF-5', SB-6' and NB-6') were obtained in the area where the six (6) USTs were located. The soil samples were obtained and submitted for analysis of VOCs and base/neutral compounds. No concentrations of contaminants of concern exceeded the TACO Tier 1 SROs. As such, a NFR letter was subsequently issued to the Site for industrial/commercial land use in 1998. See Appendix 5 for a copy of the *45-Day Report* and CACR.

In an effort to determine whether a release had occurred since the sampling event in 1997, EPS Environmental conducted soil borings in the same locations, as described in the CACR. See Appendix 1, Figure 3 for a copy of the soil boring location map. One (1) soil sample was obtained at each soil boring location and submitted for analysis of VOCs and SVOCs. No concentrations of contaminants of concern exceeded the TACO Tier 1 or Tier 2 SROs for residential land use and Class II Groundwater. As the soil borings were obtained along the sidewalls and floors of the excavations (e.g. areas where the greatest concentrations would be expected), and no concentrations exceeded the TACO Tier 1 or Tier 2 SROs, no further delineation in the area of the USTs was warranted. See Appendix 2 for a copy of the Comparison Tables.

5. *Section 1.6.1 states that two (2) soil gas samples were obtained in select location on the site where contamination would most likely be encountered. Please provide more information; the relationship between the sampling locations and where contamination would most likely be encountered is not apparent.*

Based on the review of the Sanborn Fire Insurance Maps and UST removal/abandonments documentation, soil and soil gas samples were obtained and groundwater monitoring wells were installed in accessible areas on the Site where contamination would be most likely encountered (e.g. adjacent to the former/current UST systems) and within the actual dry cleaning operations (e.g. the south Site building, as identified on the Sanborns). Based on the solvent odors and elevated PID readings in the shallow surface soils observed in soil borings NF, WF, SF, NB, EF, GP-1, GP-2 and GP-3, EPS Environmental installed two (2) groundwater monitoring wells and obtained two (2) soil gas samples to attempt to determine whether a potential vapor intrusion condition existed within the Site buildings in the area of solvent odors. Based on the groundwater

and soil gas data presented in the *Focused Site Investigation Report* dated April 19, 2017, no concentrations of volatile chemicals (VCs) exceeded the groundwater or soil gas components of the TACO Tier 1 advection/diffusion SGROs for residential land use in any of the analyzed groundwater or soil gas samples. As such, no impacts to groundwater or soil gas were identified in what was presumed to be the area most impacted by solvents at the Site. As no exceedances were identified in the area presumed to be most impacted, EPS Environmental opined no additional groundwater or soil gas samples were necessary to determine whether a release had negatively impacted Site soil or groundwater at the Site.

It should be noted, no concentration of contaminants in soil, groundwater or soil gas samples exceeded the TACO Tier 1 or Tier 2 SROs, GROs or SGROs for residential land use and Class II Groundwater as discussed in the *Remediation Objectives Report* dated April 19, 2017.

6. *Section 1.7 states that additional soil and soil gas sampling was conducted to fully characterize sit conditions. Please provide more information in regards to sampling rationale for the investigation discussed in Section 1.7.1.*

As the north portion of the Site was not characterized in the initial soil, groundwater and soil gas investigation, EPS Environmental conducted additional soil and soil gas sampling in the basements of each of the north Site buildings. Although no dry cleaning operations were reportedly conducted in the north portion of the Site, soil and soil gas samples were obtained and analyzed for VOCs and SVOCs. No concentrations of VOCs or SVOCs were identified in the either of the soil samples above TACO Tier 1 SROs for residential land use or Class II Groundwater. Therefore, no additional soil borings were conducted.

However, based on the construction of the basement walls (e.g. limestone walls) of Site building 2235 West Roscoe Street, the soil gas sample was compared to tables J&E1 and J&E2. Based on the results of the soil gas sampling, concentrations of VCs exceeded the TACO Tier 1 indoor air remediation objectives. The previously submitted *Remedial Action Plan* proposed installing a sub slab depressurization system to eliminate the potential for a vapor intrusion condition to exist within the 2235 West Roscoe Street building.

7. *Figure 3 only identifies an "active UST" in the southern building. As stated above, please provide a figure identifying the location of all tanks reference in Comments 1 and 2. The figure should provide details such as the size/contents of the tank and status (removed, abandoned, existing, etc.) Also, the meaning of the features on Figure 3 associated with the UST (dashed lines boxes) are unclear; please provide a legend identifying such features.*

See Appendix 1, Figures 2 and 3 for the locations of the removed, abandoned and currently in use USTs at the Site.

Following your review of the above comments and the attached Remedial Action Completion Report (RACR), EPS Environmental request the issuance of a draft NFR letter. If you have any questions or need any additional information please contact me at your convenience.

Sincerely,

Nicholas J. Cuzzone, P.E.
Senior Project Engineer

APPENDIX 1

Revised Figures

Illinois EPA FOIA Exemption Reference Sheet

SID: 38546

Agency ID: 170000050290 Media File Type: LAND
Bureau ID: 0316055033
Site Name: Draw Drape Cleaners Inc
Site Address1: 2235 W Roscoe St
Site Address2:
Site City: Chicago State: IL Zip: 60618-6238

This record has been determined to be partially or wholly exempt from public disclosure

Exemption Type:

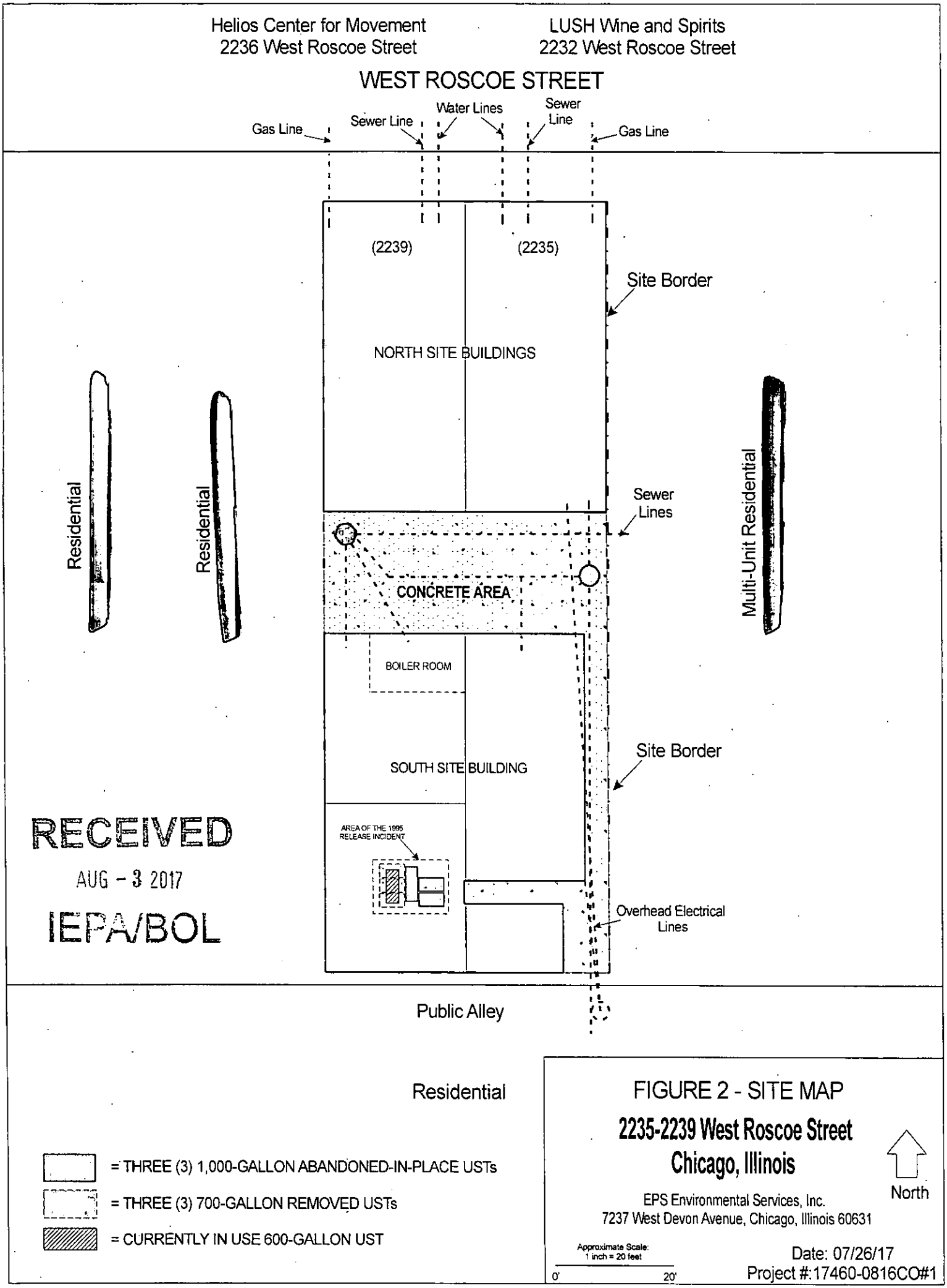
Redaction

Exempt Doc #: 3 **Document Date:** 8 /3 /2017 **Staff:** JKS

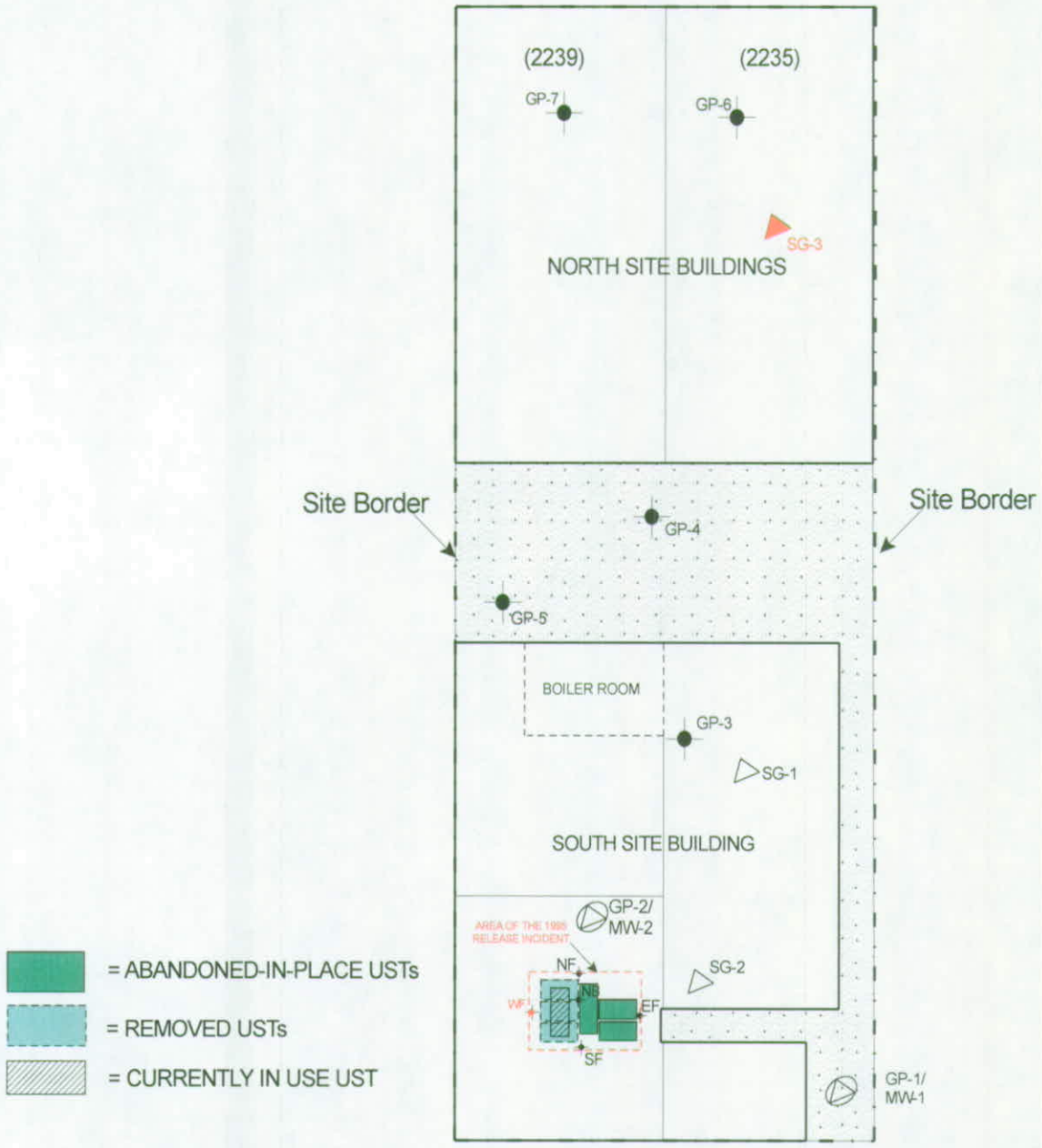
Document Description: RESPONSE LETTER TO IEPA LETTER DATED 06/28/2017: FIGURES

Category ID: 31A **Category Description:** SITE REMEDIATION - TECHNICAL **Exempt Type:** Redaction

Permit ID: **Date of Determination:** 9 /8 /2017



WEST ROSCOE STREET



PUBLIC ALLEY

GP-3 = Approximate Soil Boring Location

WF = Soil Sample Exceeds Tier 1 SROs

GP-1/ MW-1 = Approximate Boring and Well Location

SG-1 = Approximate Soil Gas Sample Location

SG-3 = Soil Gas Sample Exceeds Indoor Air Remediation Objectives

FIGURE 3 - BORING, SOIL GAS SAMPLE AND MONITORING WELL LOCATION MAP

2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Approximate Scale:
1 inch = 20 feet

0' 20'

Date: 07/26/17
Project #:17460-0816CO#1

APPENDIX 2

Comparison Table

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'	GP-7/2'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017	1/12/2017
VOCs													
Acetone	70,000	100,000	NRO	100,000	25	< 7.4	< 0.087	< 6.1	< 0.082	< 0.093	< 0.085	< 0.095	< 0.095
Benzene	12	0.8	2,300	2.2	0.17	< 0.20	< 0.0058	< 0.16	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Bromodichloromethane	10	3,000	2,000	3,000	0.6	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Bromoform	81	53	16,000	140	0.8	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Bromomethane	110	10	1,000	3.9	1.2	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
2-Butanone (MEK)^	47,000	25,000	120,000	730	17	< 7.4	< 0.087	< 6.1	< 0.082	< 0.093	< 0.085	< 0.095	< 0.095
Carbon disulfide	7,800	720	20,000	9.0	160	< 5.0	< 0.058	< 4.0	< 0.055	< 0.062	< 0.057	< 0.064	< 0.063
Carbon tetrachloride	5	0.3	410	0.90	0.33	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Chlorobenzene	1,600	130	4,100	1.3	6.5	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Chloroethane^	NRO	1,500	20,000	39	NRO	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
Chloroform	100	0.3	2,000	0.76	2.9	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Chloromethane^	NRO	110	NRO	5	NRO	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1-Dichloroethane	7,800	1,300	200,000	130	110	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,2-Dichloroethane	7	0.4	1,400	0.99	0.1	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1-Dichloroethene	3,900	290	10,000	3.0	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
cis-1,2-Dichloroethene	780	1,200	20,000	1,200	1.1	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	3.4	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,2-Dichloropropane	9	15	1,800	0.50	0.15	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
cis-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.20	< 0.0023	< 0.16	< 0.0022	< 0.0025	< 0.0023	< 0.0025	< 0.0025
trans-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.20	< 0.0023	< 0.16	< 0.0022	< 0.0025	< 0.0023	< 0.0025	< 0.0025
Ethylbenzene	7,800	400	20,000	58	19	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'	GP-7/2'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017	1/12/2017
VOCs													
2-Hexanone^	390	450	1,000	47	0.16	< 2.0	< 0.023	< 1.6	< 0.022	< 0.025	< 0.023	< 0.025	< 0.025
4-Methyl-2-Pentanone (MIBK)^	6,300	3,100	340	340	2.5	< 2.0	< 0.023	< 1.6	< 0.022	< 0.025	< 0.023	< 0.025	< 0.025
Methylene chloride	85	13	12,000	34	0.2	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
Methyl tert-butyl ether	780	8,800	2,000	140	0.32	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Styrene	16,000	1,500	41,000	430	18	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1,2,2-Tetrachloroethane^	3.2	0.62	620	1.7	0.0035	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Tetrachloroethene	12	11	2,400	28	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Toluene	16,000	650	410,000	42	29	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1,1-Trichloroethane	NRO	1,200	NRO	1,200	9.6	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Trichloroethene	58	5	1,200	12	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Vinyl chloride	0.46	0.28	170	1.1	0.07	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Xylenes, Total	16,000	320	41,000	14.65**	150	< 1.5	< 0.017	< 1.2	< 0.016	< 0.019	< 0.017	< 0.019	< 0.019

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

**Calculated Tier 2 Value

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*							
	ingestion	inhalation	ingestion	inhalation						
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
VOCs										
Acetone	70,000	100,000	NRO	100,000	25	< 4.7	< 0.10	< 0.078	< 5.8	< 4.9
Benzene	12	0.8	2,300	2.2	0.17	< 0.13	< 0.0068	< 0.0052	< 0.16	< 0.13
Bromodichloromethane	10	3,000	2,000	3,000	0.6	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Bromoform	81	53	16,000	140	0.8	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Bromomethane	110	10	1,000	3.9	1.2	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
2-Butanone (MEK)^	47,000	25,000	120,000	730	17	< 4.7	< 0.10	< 0.078	< 5.8	< 4.9
Carbon disulfide	7,800	720	20,000	9.0	160	< 3.2	< 0.068	< 0.052	< 3.9	< 3.3
Carbon tetrachloride	5	0.3	410	0.90	0.33	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chlorobenzene	1,600	130	4,100	1.3	6.5	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chloroethane^	NRO	1,500	20,000	39	NRO	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Chloroform	100	0.3	2,000	0.76	2.9	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chloromethane^	NRO	110	NRO	5	NRO	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1-Dichloroethane	7,800	1,300	200,000	130	110	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,2-Dichloroethane	7	0.4	1,400	0.99	0.1	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1-Dichloroethene	3,900	290	10,000	3.0	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
cis-1,2-Dichloroethene	780	1,200	20,000	1,200	1.1	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	3.4	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,2-Dichloropropane	9	15	1,800	0.50	0.15	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
cis-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.13	< 0.0027	< 0.0021	< 0.16	< 0.13
trans-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.13	< 0.0027	< 0.0021	< 0.16	< 0.13
Ethylbenzene	7,800	400	20,000	58	19	< 0.32	< 0.0068	< 0.0052	1.3	< 0.33

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*							
	ingestion	inhalation	ingestion	inhalation						
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
VOCs										
2-Hexanone^	390	450	1,000	47	0.16	< 1.3	< 0.027	< 0.021	< 1.6	< 1.3
4-Methyl-2-Pentanone (MIBK)^	6,300	3,100	340	340	2.5	< 1.3	< 0.027	< 0.021	< 1.6	< 1.3
Methylene chloride	85	13	12,000	34	0.2	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Methyl tert-butyl ether	780	8,800	2,000	140	0.32	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Styrene	16,000	1,500	41,000	430	18	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,2,2-Tetrachloroethane^	3.2	0.62	620	1.7	0.0035	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Tetrachloroethene	12	11	2,400	28	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Toluene	16,000	650	410,000	42	29	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,1-Trichloroethane	NRO	1,200	NRO	1,200	9.6	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Trichloroethene	58	5	1,200	12	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Vinyl chloride	0.46	0.28	170	1.1	0.07	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Xylenes, Total	16,000	320	41,000	14.65**	150	< 0.95	< 0.020	< 0.016	8.7	< 0.99

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

**Calculated Tier 2 Value

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	Background Within MSA (Chicago)**	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
						Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017
Acenaphthene	4,700	NRO	120,000	NRO	2,900	0.09	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Acenaphthylene	2,300	NRO	61,000	NRO	420	0.03	0.051	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Aniline^	110	83	1,400	8.6	0.064	NRO	< 0.48	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.45
Anthracene	23,000	NRO	610,000	NRO	59,000	0.25	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Benzo(a)anthracene	0.9	NRO	170	NRO	8	1.1	0.15	< 0.041	< 0.044	< 0.039	0.089	0.044	< 0.044
Benzidine^	0.003	0.009	0.54	0.02	0.000002***	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44
Benzo(a)pyrene	0.09	NRO	17	NRO	82	1.3	0.19	< 0.041	< 0.044	< 0.039	0.081	0.053	< 0.044
Benzo(b)fluoranthene	0.9	NRO	170	NRO	25	1.5	0.15	< 0.041	< 0.044	< 0.039	0.087	0.049	< 0.044
Benzo(g,h,i)perylene	2,300	NRO	61,000	NRO	130,000	0.68	0.16	< 0.041	< 0.044	< 0.039	0.062	0.046	< 0.044
Benzo(k)fluoranthene	9	NRO	1,700	NRO	250	0.99	0.14	< 0.041	< 0.044	< 0.039	0.072	0.047	< 0.044
Benzoic acid	310,000	NRO	820,000	NRO	400	NRO	< 1.2	< 1.0	< 1.1	< 0.98	< 1.1	< 1.0	< 1.1
Benzyl alcohol^	7,800	NRO	61,000	NRO	3	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
bis(2-Chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.66***	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	31,000	NRO	< 1.2	< 1.0	< 1.1	< 0.98	< 1.1	< 1.0	< 1.1
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Butyl benzyl phthalate	16,000	930	410,000	930	930	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Carbazole	32	NRO	6,200	NRO	2.8	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Chloroaniline	310	NRO	820	NRO	0.7	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44
2-Chloronaphthalene^	6,300	NRO	41,000	NRO	240	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Chlorophenol	390	53,000	10,000	53,000	4	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Chrysene	88	NRO	17,000	NRO	800	1.2	0.19	< 0.041	< 0.044	< 0.039	0.098	0.059	< 0.044
Dibenz(a,h)anthracene	0.09	NRO	17	NRO	7.6	0.2	0.052	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Dibenzofuran^	78	NRO	820	NRO	15	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
1,2-Dichlorobenzene	7,000	560	18,000	310	43	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
1,4-Dichlorobenzene	NRO	11,000	NRO	340	11	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
3,3-Dichlorobenzidine	1	NRO	280	NRO	1.3***	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4-Dichlorophenol	230	NRO	610	NRO	1	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4-Dimethylphenol	1,600	NRO	41,000	NRO	9	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Dimethyl phthalate^	NRO	NRO	20,000	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4,6-Dinitro-2-methylphenol^	6.3	NRO	160	NRO	pH Specific	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	Background Within MSA (Chicago)**	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
						Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017
2,4-Dinitrophenol	160	NRO	410	NRO	3.3***	NRO	< 1.2	< 1.0	< 1.1	< 0.98	< 1.1	< 1.0	< 1.1
2,4-Dinitrotoluene	0.9	NRO	180	NRO	0.250***	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
2,6-Dinitrotoluene	0.9	NRO	180	NRO	0.260***	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Di-N-butyl phthalate	7,800	2,300	200,000	2,300	2,300	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Di-N-octyl phthalate	1,600	10,000	4,100	10,000	10,000	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Fluoranthene	3,100	NRO	82,000	NRO	21,000	2.7	0.27	< 0.041	< 0.044	< 0.039	0.14	0.056	< 0.044
Fluorene	3,100	NRO	82,000	NRO	2,800	0.1	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Hexachlorobenzene	0.4	1	78	2.6	11	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Hexachlorobutadiene^	78	NRO	200	NRO	11	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Hexachlorocyclopentadiene	550	10	14,000	1.1	2,200	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Hexachloroethane	78	NRO	2,000	NRO	2.6	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	69	0.86	0.13	< 0.041	< 0.044	< 0.039	0.054	< 0.041	< 0.044
Isophorone	15,600	4,600	410,000	46,000	8	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Methylnaphthalene^	310	NRO	820	NRO	9.5	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Methylphenol (o-cresol)	3,900	NRO	100,000	NRO	15	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Methylphenol (p-cresol)^	7,800	100,000	4,100	3,300	3.9	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Naphthalene	1,600	170	4,100	1.8	18	0.04	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
2-Nitroaniline^	1200	18	31,000	1.5	0.7	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
3-Nitroaniline^	NRO	NRO	200	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Nitroaniline^	310	1500	2,000	52	0.14	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Nitrophenol	NRO	NRO	NRO	NRO	pH Specific	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44
Nitrobenzene	39	92	1,000	9.4	0.1	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
N-Nitrosodi-N-propylamine	0.09	NRO	18	NRO	0.0018***	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
n-Nitrosodimethylamine^	0.013	0.012	1.6	0.033	0.0000027***	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
N-Nitrosodiphenylamine	130	NRO	25,000	NRO	5.6	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2, 2'-oxybis(1-Chloropropane)	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Pentachlorophenol	3	NRO	520	NRO	0.14***	NRO	< 0.096	< 0.083	< 0.089	< 0.079	< 0.085	< 0.083	< 0.090
Phenanthrene	2,300	NRO	61,000	NRO	1,100	1.3	0.11	< 0.041	< 0.044	< 0.039	0.081	< 0.041	< 0.044
Phenol	23,000	NRO	61,000	NRO	100	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Pyrene	2,300	NRO	61,000	NRO	21,000	1.9	0.27	< 0.041	< 0.044	< 0.039	0.13	0.063	< 0.044
Pyridine^	78	NRO	2,000	NRO	pH Specific	NRO	< 0.96	< 0.83	< 0.89	< 0.79	< 0.85	< 0.83	< 0.90
1,2,4-Trichlorobenzene	780	3,200	2,000	920	53	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4,5-Trichlorophenol	7,800	NRO	200,000	NRO	1,400	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4,6-Trichlorophenol	58	200	11,000	540	0.77	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^–Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-7/2'	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*								
	ingestion	inhalation	ingestion	inhalation							
						1/12/2017	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
Acenaphthene	4,700	NRO	120,000	NRO	2,900	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Acenaphthylene	2,300	NRO	61,000	NRO	420	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Aniline^	110	83	1,400	8.6	0.064	< 0.43	< 0.40	< 0.45	< 0.42	< 0.42	< 0.41
Anthracene	23,000	NRO	610,000	NRO	59,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(a)anthracene	0.9	NRO	170	NRO	8	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzidine^	0.003	0.009	0.54	0.02	0.000002***	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
Benzo(a)pyrene	0.09	NRO	17	NRO	82	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(b)fluoranthene	0.9	NRO	170	NRO	25	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(g,h,i)perylene	2,300	NRO	61,000	NRO	130,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(k)fluoranthene	9	NRO	1,700	NRO	250	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzoic acid	310,000	NRO	820,000	NRO	400	< 1.1	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
Benzyl alcohol^	7,800	NRO	61,000	NRO	3	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
bis(2-Chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.66***	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	31,000	< 1.1	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Butyl benzyl phthalate	16,000	930	410,000	930	930	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Carbazole	32	NRO	6,200	NRO	2.8	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chloroaniline	310	NRO	820	NRO	0.7	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
2-Chloronaphthalene^	6,300	NRO	41,000	NRO	240	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Chlorophenol	390	53,000	10,000	53,000	4	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Chrysene	88	NRO	17,000	NRO	800	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Dibenz(a,h)anthracene	0.09	NRO	17	NRO	7.6	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Dibenzofuran^	78	NRO	820	NRO	15	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,2-Dichlorobenzene	7,000	560	18,000	310	43	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,4-Dichlorobenzene	NRO	11,000	NRO	340	11	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
3,3-Dichlorobenzidine	1	NRO	280	NRO	1.3***	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4-Dichlorophenol	230	NRO	610	NRO	1	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4-Dimethylphenol	1,600	NRO	41,000	NRO	9	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Dimethyl phthalate^	NRO	NRO	20,000	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4,6-Dinitro-2-methylphenol^	6.3	NRO	160	NRO	pH Specific	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-7/2'	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*								
	ingestion	inhalation	ingestion	inhalation							
						1/12/2017	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
2,4-Dinitrophenol	160	NRO	410	NRO	3.3***	< 1.1	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
2,4-Dinitrotoluene	0.9	NRO	180	NRO	0.250***	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
2,6-Dinitrotoluene	0.9	NRO	180	NRO	0.260***	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Di-N-butyl phthalate	7,800	2,300	200,000	2,300	2,300	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Di-N-octyl phthalate	1,600	10,000	4,100	10,000	10,000	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Fluoranthene	3,100	NRO	82,000	NRO	21,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Fluorene	3,100	NRO	82,000	NRO	2,800	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Hexachlorobenzene	0.4	1	78	2.6	11	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachlorobutadiene^	78	NRO	200	NRO	11	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachlorocyclopentadiene	550	10	14,000	1.1	2,200	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachloroethane	78	NRO	2,000	NRO	2.6	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	69	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Isophorone	15,600	4,600	410,000	46,000	8	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Methylnaphthalene^	310	NRO	820	NRO	9.5	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Methylphenol (o-cresol)	3,900	NRO	100,000	NRO	15	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Methylphenol (p-cresol)^	7,800	100,000	4,100	3,300	3.9	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Naphthalene	1,600	170	4,100	1.8	18	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
2-Nitroaniline^	1200	18	31,000	1.5	0.7	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
3-Nitroaniline^	NRO	NRO	200	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Nitroaniline^	310	1500	2,000	52	0.14	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Nitrophenol	NRO	NRO	NRO	NRO	pH Specific	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
Nitrobenzene	39	92	1,000	9.4	0.1	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
N-Nitrosodi-N-propylamine	0.09	NRO	18	NRO	0.0018***	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
n-Nitrosodimethylamine^	0.013	0.012	1.6	0.033	0.0000027***	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
N-Nitrosodiphenylamine	130	NRO	25,000	NRO	5.6	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2, 2'-oxybis(1-Chloropropane)	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Pentachlorophenol	3	NRO	520	NRO	0.14***	< 0.086	< 0.081	< 0.090	< 0.085	< 0.085	< 0.083
Phenanthrene	2,300	NRO	61,000	NRO	1,100	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Phenol	23,000	NRO	61,000	NRO	100	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Pyrene	2,300	NRO	61,000	NRO	21,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Pyridine^	78	NRO	2,000	NRO	pH Specific	< 0.86	< 0.81	< 0.90	< 0.85	< 0.85	< 0.83
1,2,4-Trichlorobenzene	780	3,200	2,000	920	53	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4,5-Trichlorophenol	7,800	NRO	200,000	NRO	1,400	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4,6-Trichlorophenol	58	200	11,000	540	0.77	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project:	**2235-2239 West Roscoe Street, Chicago, Illinois**
Project #:	**17460-0816**
Sampled:	**9/26/2016**
Laboratory:	**STAT Analysis Corporation, Chicago**

Table 3. Water VOC Analytical Results

Chemical Name	GROs Class II (mg/L)	MW-1	MW-2
Acetone	6.3	0.030	< 0.020
Benzene	0.025	< 0.0050	< 0.0050
Bromodichloromethane	0.0002	< 0.0050	< 0.0050
Bromoform	0.001	< 0.0050	< 0.0050
Bromomethane	0.049	< 0.010	< 0.010
2-Butanone (MEK)^	4.2	< 0.020	< 0.020
Carbon disulfide	3.5	< 0.010	< 0.010
Carbon tetrachloride	0.025	< 0.0050	< 0.0050
Chlorobenzene	0.5	< 0.0050	< 0.0050
Chloroethane	NRO	< 0.010	< 0.010
Chloroform	0.001	< 0.0050	< 0.0050
Chloromethane	NRO	< 0.010	< 0.010
Dibromochloromethane	0.14	< 0.0050	< 0.0050
1,1-Dichloroethane	3.5	< 0.0050	< 0.0050
1,2-Dichloroethane	0.025	< 0.0050	< 0.0050
1,1-Dichloroethene	0.035	< 0.0050	< 0.0050
cis-1,2-Dichloroethene	0.2	< 0.0050	< 0.0050
trans-1,2-Dichloroethene	0.5	< 0.0050	< 0.0050
1,2-Dichloropropane	0.025	< 0.0050	< 0.0050
cis-1,3-Dichloropropene	0.005	< 0.0010	< 0.0010
trans-1,3-Dichloropropene	0.005	< 0.0010	< 0.0010
Ethylbenzene	1.0	< 0.0050	< 0.0050

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs); 35 IAC 742, Appendix B, Table E

** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit -October 30, 2012

Project:	**2235-2239 West Roscoe Street, Chicago, Illinois**
Project #:	**17460-0816**
Sampled:	**9/26/2016**
Laboratory:	**STAT Analysis Corporation, Chicago**

Table 3. Water VOC Analytical Results (continued)

Chemical Name	GROs Class II (mg/L)	MW-1	MW-2
2-Hexanone	0.035	< 0.020	< 0.020
4-Methyl-2-Pentanone (MIBK)^	0.56	< 0.020	< 0.020
Methylene chloride	0.05	< 0.0050	< 0.0050
Methyl tert-butyl ether	0.07	< 0.0050	< 0.0050
Styrene	0.5	< 0.0050	< 0.0050
1,1,2,2-Tetrachloroethane^	0.0043	< 0.0050	< 0.0050
Tetrachloroethene	0.025	< 0.0050	< 0.0050
Toluene	2.5	< 0.0050	< 0.0050
1,1,1-Trichloroethane	1.0	< 0.0050	< 0.0050
1,1,2-Trichloroethane	0.05	< 0.0050	< 0.0050
Trichloroethene	0.025	< 0.0050	< 0.0050
Vinyl chloride	0.01	< 0.0020	< 0.0020
Xylenes, Total	10.0	< 0.015	< 0.015

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs); 35 IAC 742, Appendix B, Table E

** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit -October 30, 2012

Project:	**2235-2239 West Roscoe Street, Chicago, Illinois**
Project #:	**17460-0816**
Sampled:	**9/26/2016**
Laboratory:	**STAT Analysis Corporation, Chicago**

Table 4. Water SVOC Analytical Results

Chemical Name	GRO (mg/L)* Class II	MW-1	MW-2
Aniline^	0.023	< 0.0050	< 0.025
Benzidine^	0.00000037***	< 0.0050	< 0.025
Benzoic acid	28	< 0.025	< 0.12
Benzyl alcohol^	0.7	< 0.0050	< 0.025
Bis(2-chloroethoxy)methane	NRO	< 0.0050	< 0.025
Bis(2-chloroethyl)ether	0.01	< 0.0050	< 0.025
Bis(2-ethylhexyl)phthalate	0.06	< 0.0050	0.38
4-Bromophenyl phenyl ether	NRO	< 0.0050	< 0.025
Butyl benzyl phthalate	7.0	< 0.0050	< 0.025
Carbazole	NRO	< 0.00010	< 0.00050
4-Chloroaniline	0.028	< 0.0050	< 0.025
2,4-Dinitrotoluene	0.00002	< 0.00010	< 0.00050
4-Chloro-3-methylphenol	NRO	< 0.0050	< 0.025
2,6-Dinitrotoluene	0.00031***	< 0.00010	< 0.00050
2-Chloronaphthalene^	3	< 0.0050	< 0.025
2-Chlorophenol	0.035*	< 0.0050	< 0.025
N-Nitrosodi-n-propylamine	0.0018	< 0.00010	< 0.00050
4-Chlorophenyl phenyl ether	NRO	< 0.0050	< 0.025
Nitrobenzene	0.0035	< 0.0010	< 0.0050
Pentachlorophenol	0.005	< 0.00050	< 0.0025
Dibenzofuran^	0.035	< 0.0050	< 0.025
1,2-Dichlorobenzene	1.5	< 0.0050	< 0.025
1,3-Dichlorobenzene	NRO	< 0.0050	< 0.025
1,4-Dichlorobenzene	0.375	< 0.0050	< 0.025
3,3'-Dichlorobenzidine	0.1	< 0.010	< 0.050
2,4-Dichlorophenol	0.021	< 0.0050	< 0.025
Diethyl phthalate	5.6	< 0.0050	< 0.025
2,4-Dimethylphenol	0.14	< 0.025	< 0.12
Dimethyl phthalate	NRO	< 0.0050	< 0.025
4,6-Dinitro-2-methylphenol	NRO	< 0.025	< 0.12

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

*** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 31, 2012

Project:	**2235-2239 West Roscoe Street, Chicago, Illinois**
Project #:	**17460-0816**
Sampled:	**9/26/2016**
Laboratory:	**STAT Analysis Corporation, Chicago**

Table 4. Water SVOC Analytical Results (continued)

Chemical Name	GRO (mg/L)* Class II	MW-1	MW-2
2,4-Dinitrophenol	0.014	< 0.025	< 0.12
Di-n-butyl phthalate	3.5	< 0.0050	< 0.025
Di-n-octyl phthalate	0.7	< 0.0050	< 0.025
Hexachlorobenzene	0.0003***	< 0.0050	< 0.025
Hexachlorobutadiene^	0.035	< 0.0050	< 0.025
Hexachlorocyclopentadiene	0.5	< 0.0050	< 0.025
Hexachloroethane	0.035	< 0.0050	< 0.025
Isophorone	1.4	< 0.0050	< 0.025
2-Methylnaphthalene^	0.14	< 0.0050	0.078
2-Methylphenol (o-cresol)	0.35	< 0.0050	< 0.025
4-Methylphenol (p-cresol)^	0.7	< 0.0050	< 0.025
2-Nitroaniline^	0.105	< 0.025	< 0.12
3-Nitroaniline	NRO	< 0.025	< 0.12
4-Nitroaniline^	0.028	< 0.025	< 0.12
2-Nitrophenol	NRO	< 0.0050	< 0.025
4-Nitrophenol	NRO	< 0.025	< 0.12
Nitrobenzene	0.0035	< 0.0010	< 0.0050
N-Nitrosodi-n-propylamine	0.0018	< 0.0050	< 0.025
N-Nitrosodimethylamine^	0.0006***	< 0.0050	< 0.025
N-Nitrosodiphenylamine	0.016	< 0.0050	< 0.025
2, 2'-oxybis(1-Chloropropane)	NRO	< 0.0050	< 0.025
Pentachlorophenol	0.005	< 0.0050	< 0.025
Phenol	0.1	< 0.0050	< 0.025
Pyridine^	0.007	< 0.0050	< 0.025
1,2,4-Trichlorobenzene	0.7	< 0.0050	< 0.025
2,4,5-Trichlorophenol	pH Specific	< 0.010	< 0.050
2,4,6-Trichlorophenol	pH Specific	< 0.0050	< 0.025

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

*** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 31, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 5. Water PNA Analytical Results

Chemical Name	GRO (mg/L)* Class II	MW-1	MW-2	MW-2
Date Sampled		9/26/2016	9/26/2016	10/7/2016
Acenaphthene	2.1	< 0.0010	< 0.0050	0.0010
Acenaphthylene^	1.05	< 0.0010	< 0.0050	< 0.0010
Anthracene	10.5	< 0.0010	0.0054	< 0.0010
Benzo(a)anthracene	0.00065	< 0.00010	0.0034	0.00050
Benzo(a)pyrene	0.002	< 0.00010	0.0022	0.00038
Benzo(b)fluoranthene	0.0009	< 0.00010	0.0018	0.00036
Benzo(g,h,i)perylene^	1.05	< 0.0010	< 0.0050	< 0.0010
Benzo(k)fluoranthene	0.00085	< 0.00010	0.0017	0.00028
Chrysene	0.0075	< 0.00010	0.0030	0.00064
Dibenzo(a,h)anthracene	0.0015	< 0.00010	< 0.00050	< 0.00010
Fluoranthene	1.4	< 0.0010	0.011	0.0020
Fluorene	1.4	< 0.0010	< 0.0050	< 0.0010
Indeno(1,2,3-cd)pyrene	0.00215	< 0.00010	0.00050	0.00016
Naphthalene	0.22	< 0.0010	< 0.0050	< 0.0010
Phenanthrene^	1.05	< 0.0010	0.019	0.0036
Pyrene	1.05	< 0.0010	0.014	0.0026

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

All results in parts per million (**mg/L**) unless noted otherwise.

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 6. Soil Gas Analytical Results

Chemical Name	*Residential*			*Construction Worker Outdoor*	SG-1	SG-2	SG-3
	Outdoor	Indoor					
		Advection/ Diffusion	Diffusion only				
		Soil Gas	Soil Gas				
				Sample dates	9/14/2016	9/14/2016	1/17/2017
Compounds							
Acetone	750,000	750,000	750,000	750,000	< 0.23	0.40	0.81
Benzene	420	0.37	41	1,100	0.0048	< 0.024	0.0029
Bromodichloromethane	450,000	450,000	450000	450,000	< 0.0025	< 0.052	< 0.0024
Bromoform	1,800	11	1,800	4,900	< 0.010	< 0.21	< 0.0095
2-Butanone (MEK)	380,000	6,400	380,000	15,000	0.022	< 0.060	0.0097
Carbon disulfide	1,500,000	780	81,000	48,000	< 0.0012	< 0.025	0.0029
Carbon tetrachloride	290	0.21	24	770	< 0.0025	< 0.052	< 0.0024
Chlorobenzene	36,000	69	8,300	3,700	< 0.0017	< 0.036	< 0.0016
Chlorodibromomethane	57,000	57,000	57,000	150	< 0.0033	< 0.067	< 0.0031
Chloroform	110	0.11	12	290	< 0.0019	< 0.040	< 0.0018
1,2-Dibromoethane	2.90	0.01	1.10	7.9	< 0.0029	< 0.060	< 0.0027
1,2-Dichlorobenzene	1,000	290	11,000	6,700	< 0.0023	< 0.048	< 0.0022
1,4-Dichlorobenzene	8,400	1,200	8,400	6,400	< 0.0023	< 0.048	< 0.0022
Dichlorodifluoromethane	890,000	270	32,000	92,000	< 0.0019	< 0.040	0.0021
1,1-Dichloroethane	870,000	690	81,000	90,000	< 0.0015	< 0.032	< 0.0015
1,2-Dichloroethane	67	0.099	10	180	0.0044	< 0.032	< 0.0015
1,1-Dichloroethene	520,000	240	27,000	5,300	< 0.0015	< 0.032	< 0.0015
cis-1,2-Dichloroethylene	1,100,000	1,100,000	1,100,000	1,100,000	0.022	< 0.032	0.012
trans-1,2-Dichloroethylene	120,000	85	10,000	12,000	< 0.0015	< 0.032	< 0.0015
1,2-Dichloropropane	240	0.31	36	110	< 0.0017	< 0.036	< 0.0016
cis-1,3-Dichloropropene	1,900	0.9	0.14	1,400	< 0.0017	< 0.036	< 0.0016
trans 1,3-Dichloropropylene	1,900	0.9	110	1,400	< 0.0017	< 0.036	< 0.0016
1,4-Dioxane	16	0.22	2.9	42	< 0.0035	< 0.071	< 0.0033
Ethylbenzene	59,000	1.3	150	8,500	0.0033	0.050	0.016
Bromomethane	NRO	NRO	NRO	NRO	< 0.0036	< 0.075	< 0.0035
Methyl tert-butyl ether	1,200,000	3,700	420,000	23,000	< 0.0013	< 0.028	< 0.0013
Isopropyl Alcohol	NRO	NRO	NRO	NRO	0.29	0.14	0.31

* Illinois EPA Tier 1 Soil Gas Remediation Objectives (SGROs); 35 IAC 742, Appendix B, Tables G, H, I

Results in mg/m^3

NRO - No Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 6. Soil Gas Analytical Results (continued)

Chemical Name	*Residential*			*Construction Worker Outdoor*	SG-1	SG-2	SG-3
	Outdoor	Indoor					
		Advection/ Diffusion	Diffusion only				
		Soil Gas	Soil Gas				
				Sample dates	9/14/2016	9/14/2016	1/17/2017
Compounds							
Methylene chloride	6,100	5.6	590	5,100	< 0.013	< 0.27	< 0.013
Naphthalene	560	0.11	14	5.8	0.0055	< 0.040	0.0030
Styrene	34,000	1,400	34,000	16,000	0.0028	< 0.036	0.0024
Tetrachloroethene	360	0.55	66	970	0.35	< 0.056	0.015
Toluene	140,000	6,200	140,000	50,000	0.0098	< 0.032	0.011
1,2,4-Trichlorobenzene	1,000	5.4	800	110	< 0.0029	< 0.060	< 0.0027
1,1,1-Trichloroethane	870,000	6,600	770,000	89,000	< 0.0021	< 0.044	< 0.0020
1,1,2-Trichloroethane	170,000	170,000	4,400	170,000	< 0.0021	< 0.044	< 0.0020
Trichloroethene	360	1.5	180	1,500	0.036	< 0.044	0.0029
Trichlorofluoromethane	2,100,000	860	97000	220,000	< 0.0021	< 0.044	< 0.0020
Vinyl Acetate	160,000	250	28,000	1,600	< 0.013	< 0.28	< 0.013
Vinyl chloride	780	0.29	30	3,000	< 0.00096	< 0.020	< 0.00091
o-xylene	41,000	120	14,000	2,600	0.0048	< 0.036	0.018
m,p-xylene	52,000	140	17,000	3,100	0.013	< 0.067	0.057
Xylenes (total)	49,000	140	17,000	2,900	0.018	< 0.10	0.075

* Illinois EPA Tier 1 Soil Gas Remediation Objectives (SGROs); 35 IAC 742, Appendix B, Tables G, H, I

Results in mg/m^3

NRO - No Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 1/17/2017
Laboratory: STAT Analysis Corporation, Chicago

Table 7. Soil Gas Analytical Results (Indoor Air Comparison)

Chemical Name	*Indoor Air Remediation Objectives*	SG-3
	Residential	
Acetone	32	0.81
Benzene	0.00031	**0.0029**
Bromodichloromethane	0.000066	< 0.0024
Bromoform	0.0022	< 0.0095
2-Butanone	5.2	0.0097
Carbon disulfide	0.3	0.0029
Carbon tetrachloride	0.00041	< 0.0024
Chlorobenzene	0.052	< 0.0016
Dibromochloromethane	NRO	< 0.0031
Chloroform	0.00011	< 0.0018
1,2-Dibromoethane	0.0000041	< 0.0027
1,2-Dichlorobenzene	0.21	< 0.0022
1,4-Dichlorobenzene	0.00022	< 0.0022
Dichlorodifluoromethane	0.1	0.0021
1,1-Dichloroethane	0.52	< 0.0015
1,2-Dichloroethane	0.000094	< 0.0015
1,1-Dichloroethene	0.21	< 0.0015
cis-1,2-Dichloroethene	NRO	0.012
trans-1,2-Dichloroethene	0.063	< 0.0015
1,2-Dichloropropane	0.00024	< 0.0016
cis-1,3-Dichloropropene	0.00061	< 0.0016
trans-1,3-Dichloropropene	0.00061	< 0.0016
1,4-Dioxane	0.00032	< 0.0033
Ethylbenzene	0.00097	**0.016**
Bromomethane	NRO	< 0.0035
Methyl tert-butyl ether	3.1	< 0.0013

* Illinois EPA Tier 1 Indoor Air Remediation Objectives Calculated using J&E1 and J&E2

Results in mg/m^3 for air

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 Indoor Air Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 1/17/2017
Laboratory: STAT Analysis Corporation, Chicago

Table 7. Soil Gas Analytical Results (Indoor Air Comparison)

Chemical Name	*Indoor Air Remediation Objectives* Residential	SG-3
Methylene chloride	0.24	< 0.013
Naphthalene	0.000072	**0.0030**
Styrene	1	0.0024
Tetrachloroethene	0.0094	**0.015**
Toluene	5.2	0.011
1,2,4-Trichlorobenzene	0.0021	< 0.0027
1,1,1-Trichloroethane	5.2	< 0.0020
1,1,2-Trichloroethane	0.00021	< 0.0020
Trichloroethene	0.00059	**0.0029**
Trichlorofluoromethane	0.73	< 0.0020
Vinyl acetate	0.21	< 0.013
Vinyl chloride	0.00028	< 0.00091
o-Xylene	0.1	0.018
m,p-Xylene	0.1	0.057
Xylenes, Total	0.1	0.075

* Illinois EPA Tier 1 Indoor Air Remediation Objectives Calculated using J&E1 and J&E2

Results in mg/m^3 for air

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 Indoor Air Remediation Objective

APPENDIX 3

Photographic Documentation

Right: General View of the Courtyard Areas Between the North and South Site Building

Below: East Site Border as Viewed from the Southeast Corner of the Site

EPS Environmental Services, Inc.

Project #: 17460-0816CO#1

2235-2239 West Roscoe Street
Chicago, Illinois

Right: General View of the Southeast Corner of the Site (MW-1)

Right: General View of the Location of the Removed/Abandoned/Currently In Use USTs in the South Portion of the Site.

Below: Aboveground Filter Tanks Located Immeidately West of the UST Area.

Right: Drycleaning Units Located Immediately North of the UST Area (MW-2).

Right: Cleaning Room Located Immediately South of the UST Area

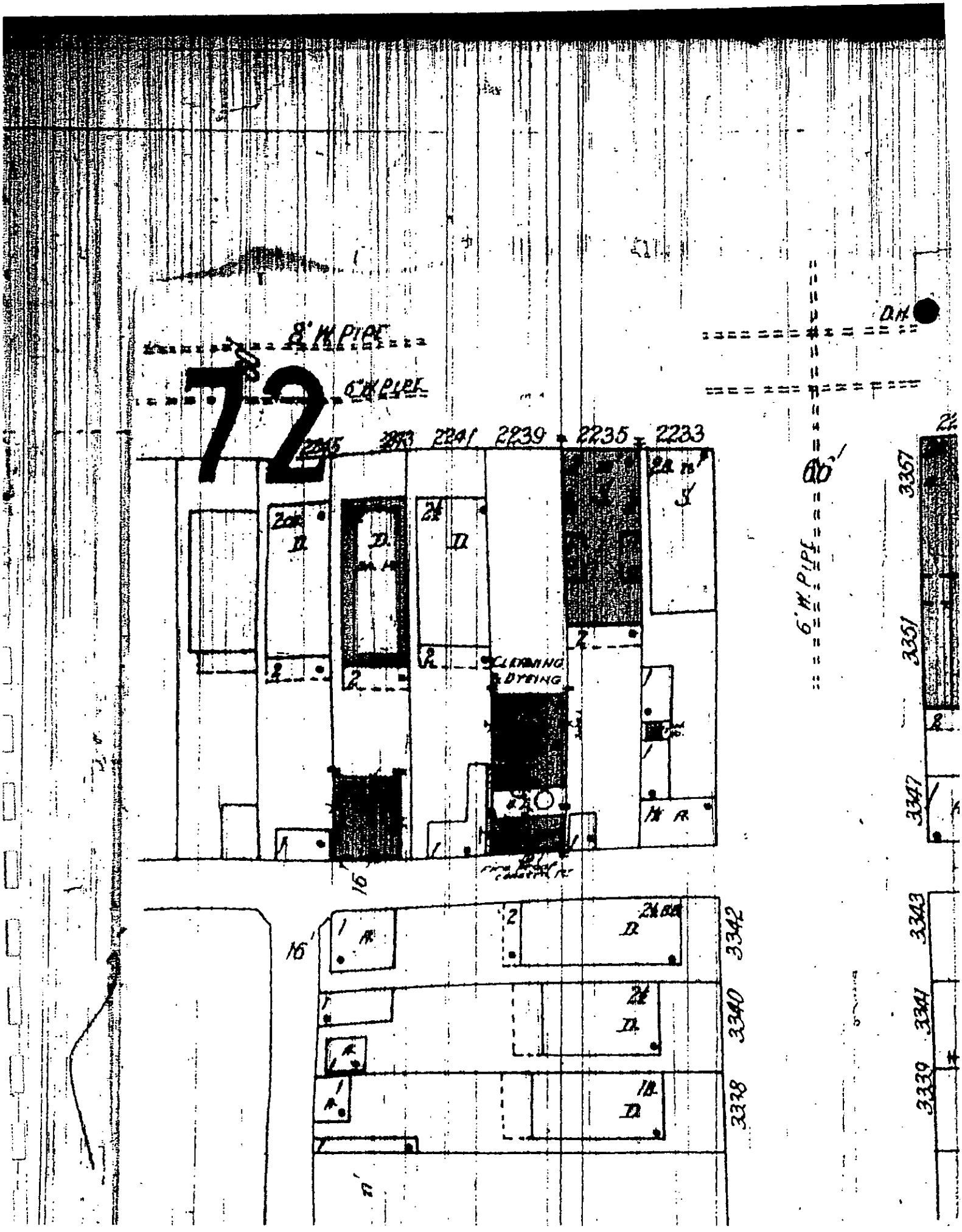
Below: Spotting Table and Press Room Located in the East Portion of the South Site Building.

Right: General View of the Boiler Room.

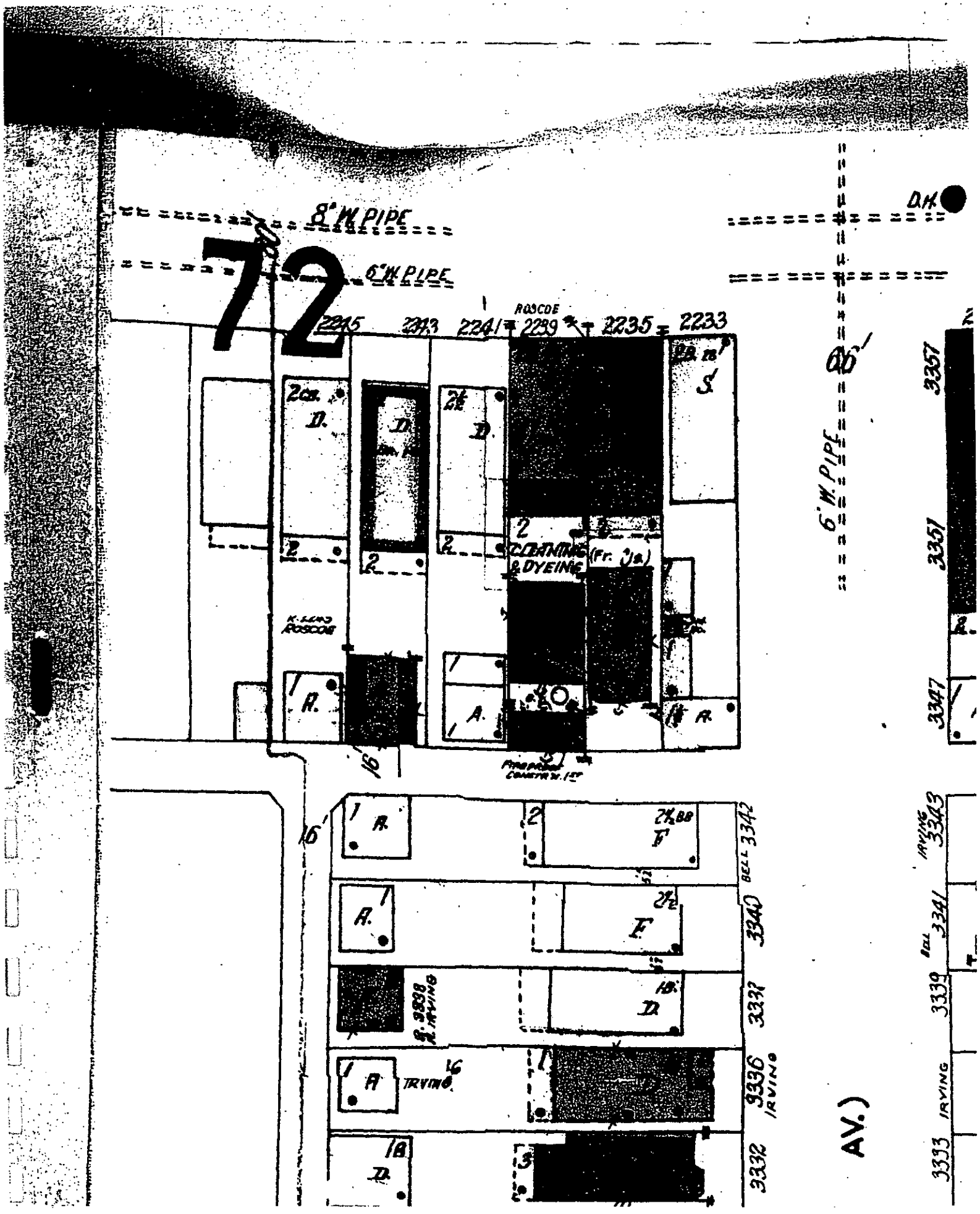
APPENDIX 4

Sanborn Fire Insurance Maps

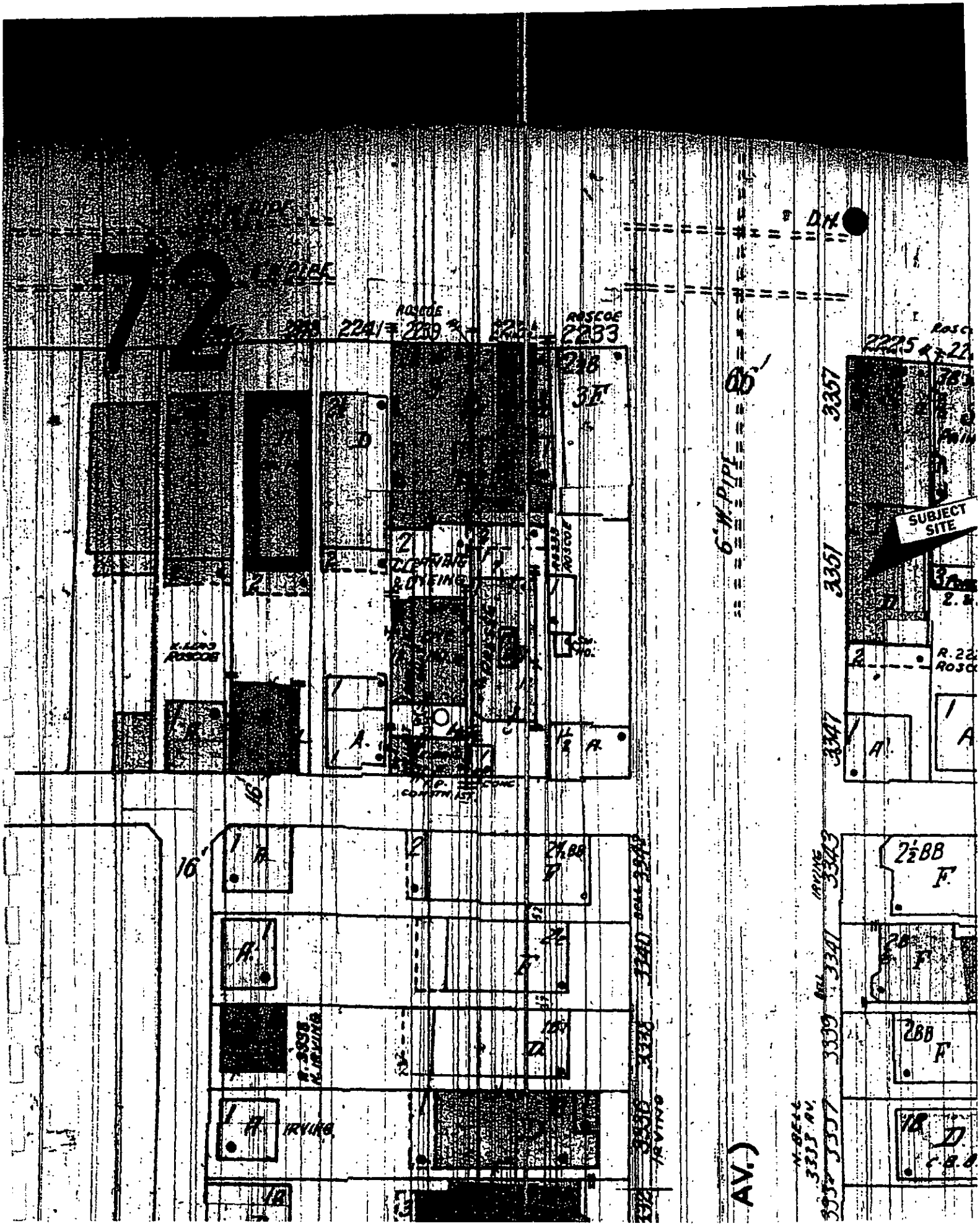
1923 SANBORN FIRE INSURANCE MAP



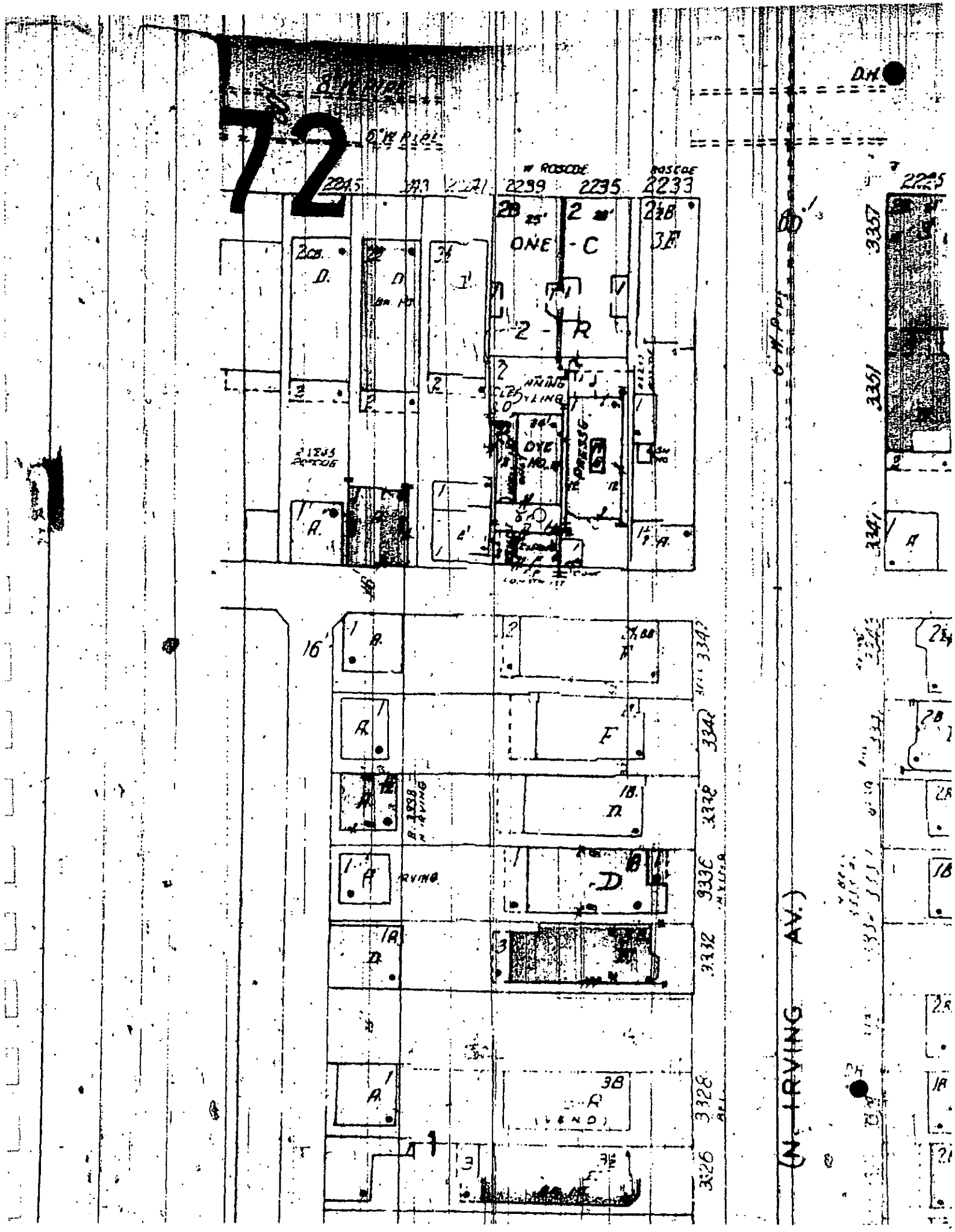
1950 SANBORN FIRE INSURANCE MAP



1975 SANBORN FIRE INSURANCE MAP



1988 SANBORN FIRE INSURANCE MAP



APPENDIX 5

45-Day Report
and
Corrective Action Completion Report

Environmental Site Assessments
and
Remediation Management Services

October 9, 1997

Mr. Douglas Clay, P.E.
Illinois Environmental Protection Agency
Bureau of Land
Division of Remediation Management
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Springfield, Illinois 62794 - 9276

RE: LPC # 0316055033 -- Cook County
Chicago/American Drapery Cleaners
2235 - 39 Roscoe Street
LUST Incident Number: 952028

Dear Mr. Clay:

Enclosed are two copies (one with original signatures and seals and one copy) of the 45 Day/Corrective Action Completion Report prepared for the above referenced LUST site.

Since this report will serve as a Corrective Action Completion Report, the Professional Engineer Certification Form is enclosed in Appendix A along with the 20 Day, 45 Day, Corrective Action Completion Report and Laboratory Certification forms. Please refer to the Executive Summary and narrative response sections of the enclosed report for a complete description of the activities conducted at the subject site.

If you have any questions concerning the enclosed report, please feel free to contact me at 630 - 495 - 0707.

Sincerely,

Ronald W. Schrack, P.E.
President

PN: 97739.01
CC: Mr. Richard Zell - American Drapery Cleaners

SCHRACK ENVIRONMENTAL CONSULTING, INC.
17W695E Butterfield Road
Oakbrook Terrace, Illinois 60181
Phone: (630) 495-0707 Fax: (630) 495-0710

Environmental Site Assessments
and
Remediation Management Services

45 DAY/CORRECTIVE ACTION COMPLETION REPORT

Subject Site:

American Drapery Cleaners
2235-39 Roscoe Street
Chicago, Illinois 60618
LUST Incident Number: 952028
LPC # 0316055033 -- Cook County

Prepared for:

American Drapery Cleaners
c/o Mr. Richard Zell
2235-39 Roscoe Street
Chicago, Illinois 60618

Prepared by:

Schrack Environmental Consulting, Inc.
17 W 695 Butterfield Road, Suite E
Oakbrook Terrace, Illinois 60181
SECI PN: 97739.01

October 9, 1997

SCHRACK ENVIRONMENTAL CONSULTING, INC.
17W695E Butterfield Road
Oakbrook Terrace, Illinois 60181
Phone: (630) 495-0707 Fax: (630) 495-0710

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LIST OF EXHIBITS

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LIST OF APPENDICES

1.0) Introduction

This 45 Day/Corrective Action Completion report will provide the Illinois Environmental Protection Agency (IEPA) with the documentation required under 35 IAC 732.300(b) regarding the Corrective Actions completed at the American Drapery Cleaners Leaking Underground Storage Tank (LUST) site located at 2235-39 Roscoe Street, Chicago, Illinois. The approximate location of the subject property is shown on **Exhibit 1.**

2.0) Executive Summary

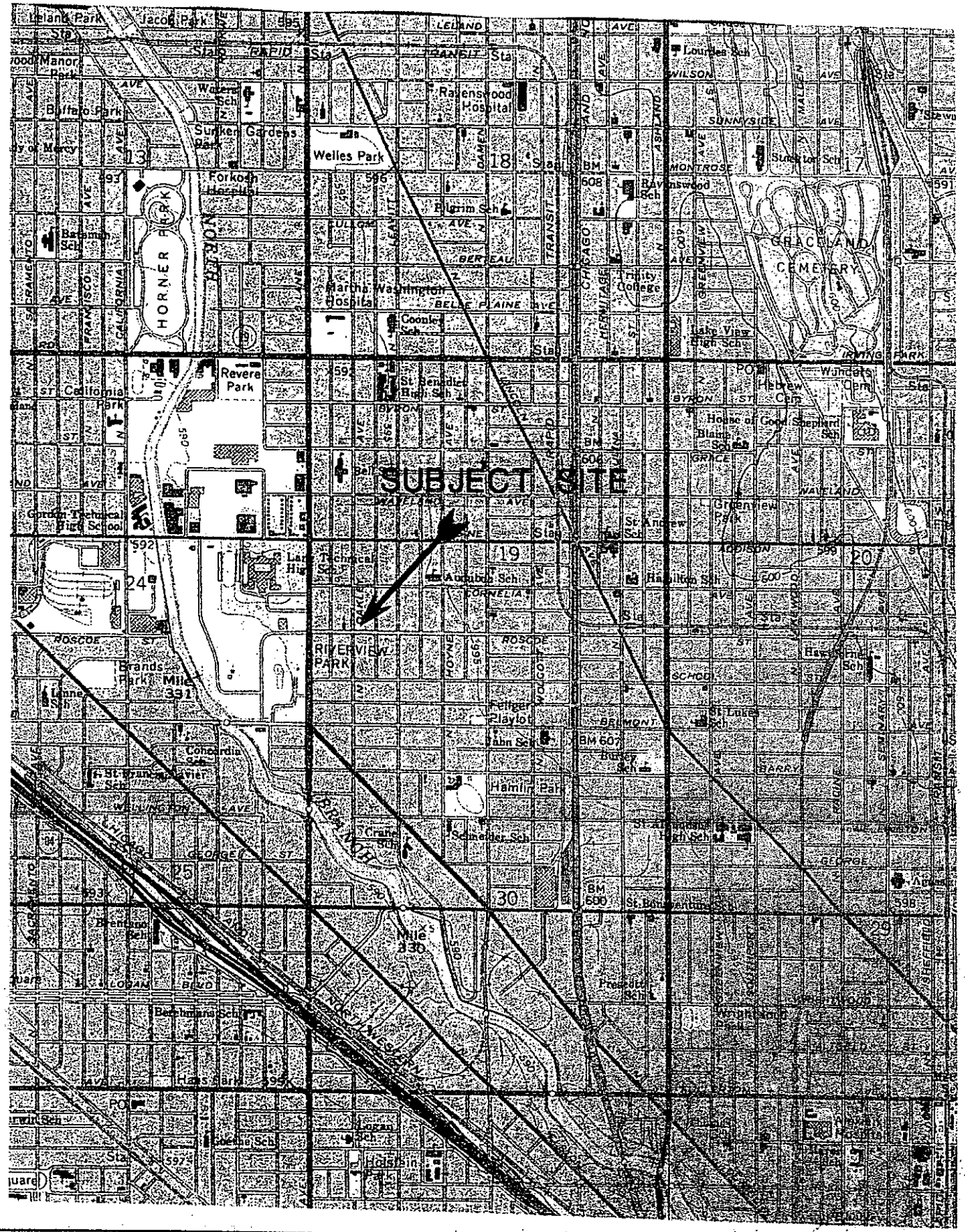
The American Drapery Cleaners LUST site is a commercial/industrial property located at 2235-39 Roscoe Street, Chicago, Illinois. The subject property formerly utilized six (6) underground storage tanks for the storage of Naphtha which was utilized for dry cleaning purposes. A site map showing the approximate location of the underground storage tank systems, property boundaries, roadways and surrounding structures is provided as **Exhibit 2.**

Based on information provide by the property owner, soil sampling was completed around the USTs in 1995 as part of an environmental assessment conducted for refinancing purposes. The results of the initial sampling analyses detected trace concentrations of Volatile and Base/Neutral Compounds which were below the most stringent Tier 1 Soil Remediation Objectives. However, the property owner was instructed by the previous environmental consultant to report an incident to the Illinois Emergency Management Agency.

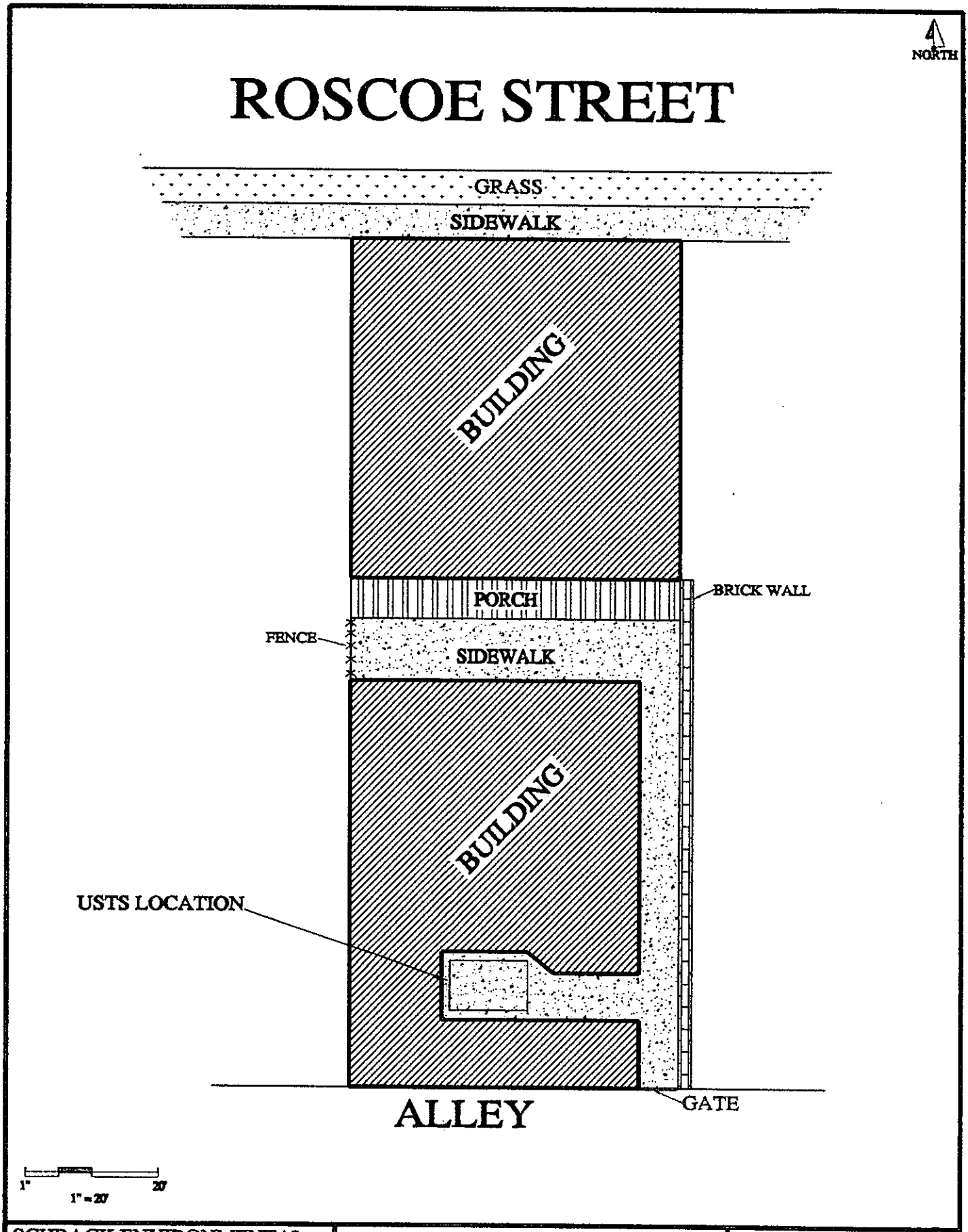
The property owner subsequently removed three (3) of the USTs and abandoned the remaining three (3) tanks due to concerns regarding damage to the existing structures on the subject site. Due to the close spacing (less than one foot between tanks) and the shape of the tanks (rectangular), minor amounts of backfill cover materials were removed during the tank closure activities and placed back into the tank cavity.

SECI was retained by American Drapery Cleaners to collect soil samples from the UST area and prepare the necessary documentation for closure of the subject LUST site. SECI collected a total of six soil samples from the accessible areas within the tank area which were analyzed for the Volatile Organic and Base/Neutral Compounds.

On May 12, 1997 the City of Chicago passed city ordinance number 11 - 8 - 390 which prohibits the use of groundwater as a potable water source. Consequently, the migration to groundwater pathways have been excluded from consideration for the subject property. Therefore, the UST excavation sample results were compared to the most stringent Inhalation or Ingestion Pathway values for Industrial/Commercial Properties as stipulated in 35 IAC 742 (June 1, 1997).



SCHRACK ENVIRONMENTAL CONSULTING INC. 17W695E BUTTERFIELD ROAD OAKBROOK TERRACE, IL 60181	**EXHIBIT - 1** ADAPTED FROM THE USGS 7.5 MINUTE TOPOGRAPHIC MAP PROJECT NUMBER: 97739.01	SCALE: 1"=2,000'	DRAWN BY: TBB DATE: 10/9/97



SCHRACK ENVIRONMENTAL CONSULTING, INC. 17W695E BUTTERFIELD ROAD OAKBROOK TERRACE, IL 60181	**SITE MAP** PROJECT NAME: AMERICAN DRAPERY CLEANERS PROJECT NUMBER: 97739.01	**EXHIBIT - 2** SA- 739-E2 10/9/97 TBB

The results of the closure soil sample analyses verified VOCs (Volatile Organic Compounds) and Base/Neutral Compound concentrations below the most stringent Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties (Inhalation or Ingestion) as stipulated in 35 IAC 742 (June 5, 1997) in six (6) of the closure soil samples. The completed 20 Day Report, 45 Day Report, Corrective Action Completion Report, Professional Engineer Certification forms and associated Laboratory Certification form are provided in **Appendix A.** In addition, a plat of survey with the legal description and real estate tax identification number is provided in **Appendix G.**

3.0) 45 Day Report Documentation

B) Release Information

1) The property owner will not be seeking reimbursement from the LUST Fund.

2) The material released at the subject site was Naphtha.

3) The material released at the site was a petroleum product.

4) This report will serve as the Corrective Action Completion Report.

C) Early Action

1&2) Based on information provided by the property owner, due to the close spacing (less than one foot between tanks) and the shape of the tanks (rectangular), minor amounts of backfill cover materials were removed during the tank closure activities and placed back into the tank cavity.

3&4) Based on information provided by the property owner, groundwater was not encountered during the tank removal and abandonment activities. SECI did not observe any signs of groundwater during the excavation sampling activities.

5) Based on information provided by the property owner, free product was not encountered during the UST removal activities.

D) Site Information

1) Based on the results of the initial site investigation sampling completed by a previous consultant in 1995 and the results of the excavation sampling analyses completed by SECI, it appears that minor concentrations of Naphtha was released from the tanks over an extended period of time. The results of the excavation sampling analyses verified

contaminant concentrations below the applicable Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties (Inhalation and Ingestion) as stipulated in 35 IAC 742 - Appendix B - Table B.

2a) The surrounding property use consists of Residential and Industrial/Commercial properties located around the subject site.

b and c) The City of Chicago obtains potable water from Lake Michigan, and the groundwater in Cook County is no longer utilized for drinking purposes. On May 12, 1997, city ordinance number 11 - 8 - 390 was passed prohibiting the use of groundwater for potable drinking wells. No potable wells were identified within a 2,500 radius of the subject site based on the information obtained from the Illinois State Water Survey (ISWS). A copy of the ISWS inquiry request and response are provided in **Appendix B.**

d) Based on information provided by the property owner, the USTs were covered with a six inch thick concrete pad with six (6) inches of sand backfill cover. The native soils observed by SECI during the excavation sampling consisted of brown and gray, mottled, silty clays to 6 feet in depth. A cross section of the UST system and subsurface soil conditions is provided as **Exhibit 3.**

e) No underground utility lines were observed in the vicinity of the former underground storage tank excavation. UST excavation is shown on **Exhibit 4.**

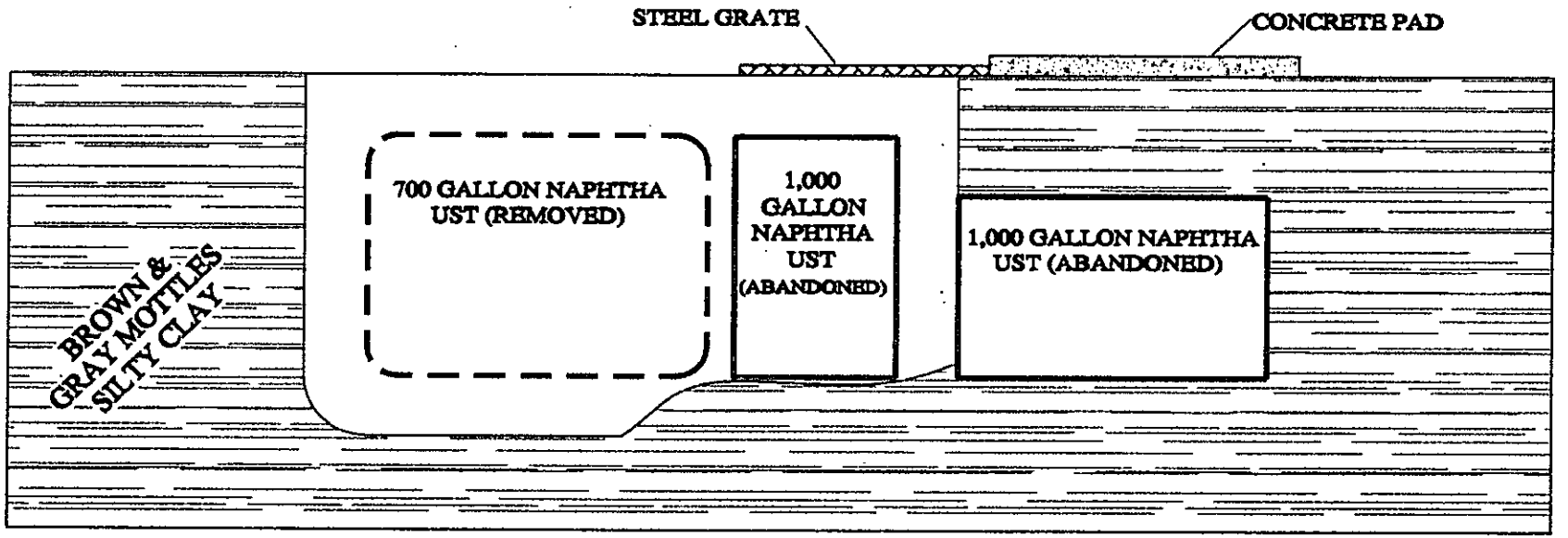
f) The weather conditions encountered during the excavation sampling activities consisted of temperatures in the 65 to 75 degree range with partly cloudy skies.

g) The subject property is currently utilized for commercial/industrial purposes, and the land use will not change.

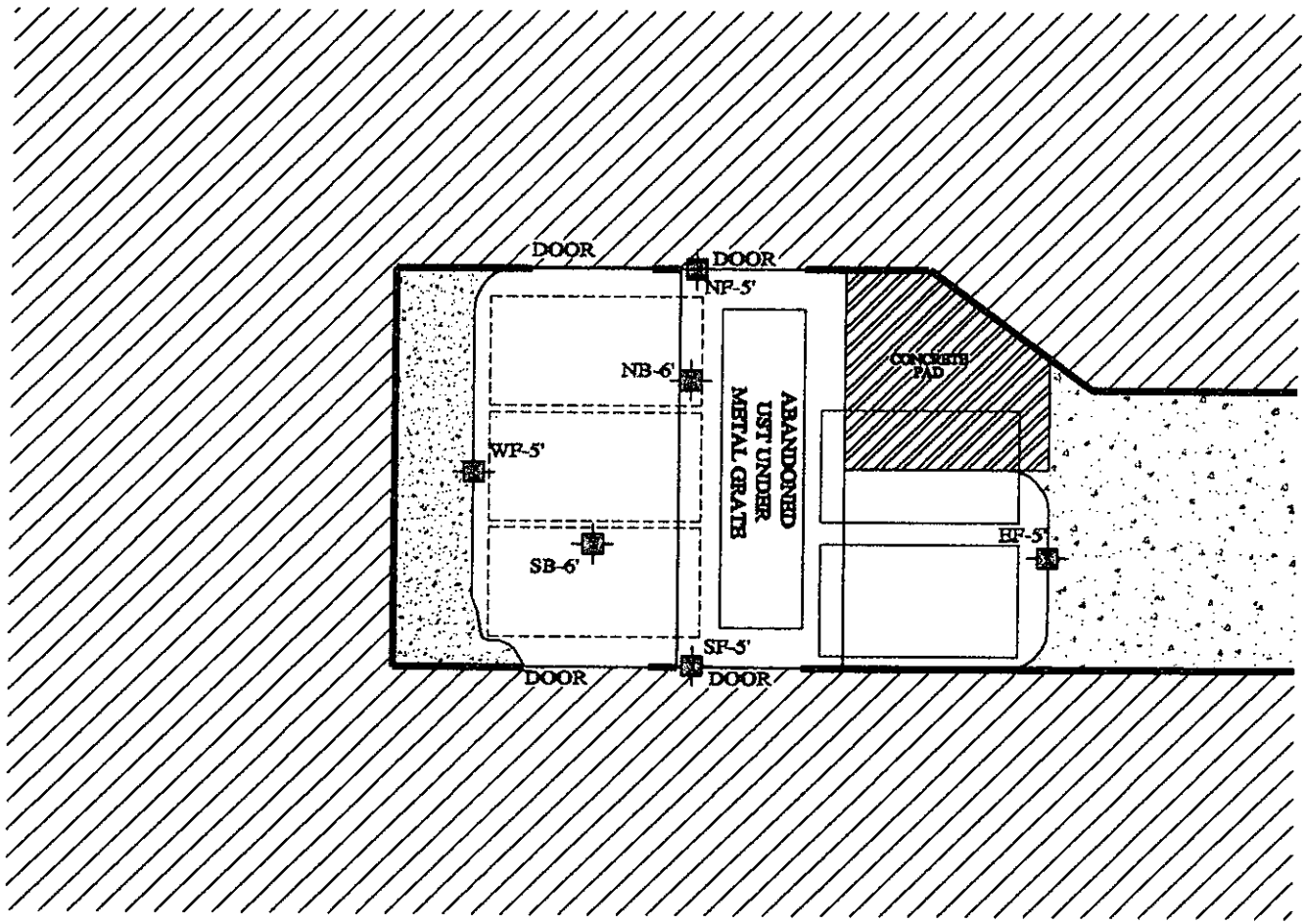
3) SECI was retained by American Drapery Cleaners to collect soil samples from the UST area and prepare the necessary documentation for closure of the subject LUST site. SECI collected a total of six (6) soil samples from the accessible areas within the tank area which were analyzed for the Volatile Organic (VOC) and Base/Neutral Compounds. The approximate location of the excavation samples are shown on **Exhibit 5.**

The closure soil samples were collected from the floor and sidewalls of the UST excavation for each 20 foot section using a properly decontaminated stainless steel hand bucket auger. A representative portion of each sample was placed into laboratory prepared glass sample containers and placed into a cooler with ice for transport to the testing laboratory.

The remaining portion of each sample was placed into a ziplock bag which was field screened with an FID meter to evaluate for the presence of volatile petroleum constituents. A tabular summary of the FID readings is provided as **Table 1.**



SCHRACK ENVIRONMENTAL CONSULTING, INC. 17W695E BUTTERFIELD ROAD OAKBROOK TERRACE, IL 60181	**UST EXCAVATION CROSS SECTION MAP** PROJECT NAME: AMERICAN DRAPERY CLEANERS PROJECT NUMBER: 97739.01	**EXHIBIT - 3** SA. 739-GCS 10/9/97 TBB



LEGEND:

= SOIL SAMPLING LOCATIONS

= ABANDONED USTS

= REMOVED USTS

1" 5'

SCHRACK ENVIRONMENTAL CONSULTING, INC. 17W695E BUTTERFIELD ROAD OAKBROOK TERRACE, IL 60181	UST EXCAVATION SOIL SAMPLING LOCATION MAP PROJECT NAME: AMERICAN DRAPERY CLEANERS PROJECT NUMBER: 97739.01	EXHIBIT - 5 SA. 739-E5 10/9/97 TBB

Sample ID Number & Depth Interval	FID Results
NF - 5'	**115 PPM**
EF - 5'	**97 PPM**
SF - 5'	**105 PPM**
WF - 5'	**65 PPM**
NB - 6'	**130 PPM**
SB - 6'	**125 PPM**

NOTE:

o Results expressed in parts-per-million (ppm) meter unit concentrations.

o Results expressed in **BOLD** were submitted for VOC and Base Neutral analyses using U.S. EPA Test Methods 8260 and 8270 respectively.

The results of the VOC and Base Neutrals analyses verified contaminant concentrations below the applicable Tier 1 Soil Remediation Objectives (Inhalation and Ingestion) for Industrial/Commercial Properties (35 IAC 742 - Appendix B - Table B - June 5, 1997) in all six (6) of the closure soil sampling locations. A tabular summary of the analytical testing results is provided as **Table 2.** Copies of the analytical testing report and chain of custody form are provided in **Appendix C.**

4) Based on information provided by the property owner, no signs of free product were observed during the tank removal activities.

5) Three of the underground storage tanks were removed on April 1, 1997, and the remaining three tanks were abandoned on June 1, 1997. Therefore, the source of the historical petroleum releases has been removed from the subject site.

6) No underground utility lines were observed in the vicinity of the former underground storage tank excavation. In addition, the 2235-39 Roscoe Street building is constructed on a concrete slab foundation and does not contain a basement or crawl space.

E) Supporting Documentation

1) A site map of the subject property showing the location of the underground storage tank systems and the additional information requested under sections (a) through (I) are provided on **Exhibits 2, 3 and 4.**

2) An map showing the information required under this section is provided as **Exhibit 2.**

3) A cross section of the UST excavation is provided as **Exhibit 3.**

4) A tabular summary of the FID meter readings and analytical testing results for the closure soil samples are provided in **Tables 1 and 2 respectively.**

5) The UST information table is provided as follows:

UST Information				
Number of USTs	Volume in Gallons	Material Stored in Each UST	Did System Have a Release	UST is Active-Removed-Abandoned
3	700	Naphtha	Y	Removed
3	1,000	Naphtha	Y	Abandoned

Detected VOCs & Base Neutrals	NF - 5'	EF - 5'	SF - 5'	WF - 5'	NB - 6'	SB - 6'	IEPA Soil Cleanup Objectives
Butylbenzyl phthalate	<0.30	<0.30	<0.30	0.97	<0.30	<0.30	**930**
bis(2-Ethylhexyl)phthalate	1.56	1.27	<0.30	1.20	<0.30	1.17	**410.0**
Di-n-octyl phthalate	0.37	<0.30	<0.30	<0.30	<0.30	<0.30	**10,000**
Benzene	<0.005	<0.005	0.506	<0.005	<0.005	0.088	**1.5**
Toluene	<0.005	<0.005	0.023	<0.005	<0.005	0.055	**42.0**
Ethylbenzene	<0.005	<0.005	0.036	<0.005	<0.005	0.339	**58.0**
Xylenes	<0.005	<0.005	0.075	<0.005	<0.005	3.32	**410.0**

NOTE:

o Results expressed in mg/kg equivalent to parts- per-million.

o Results compared to the Tier 1 Soil Cleanup Objectives 35 IAC 742 for Industrial/Commercial Properties, Ingestion and Inhalation Exposure Route-Specific Values, Appendix B - Table B, June 5, 1997.

6) A copy of the underground storage tank removal and abandonment permits issued by the City of Chicago Department of Environment are provided in **Appendix D**.

7) Based on information provided by the property owner, all of the Naphtha present in the USTs at the time of the removal and abandonment activities was recovered and utilized for dry cleaning purposes. The tanks removed from the site were cut and scrapped by the tank removal contractor. Due to the close spacing (less tan one foot between tanks) and the shape of the tanks (rectangular), minor amounts of backfill cover materials were removed during the tank closure activities and placed back into the tank cavity. A copy of the UST certificate of destruction and abandonment is provided in **Appendix E.**

8) No photographs are available from the property owner to document the tank removal and abandonment activities. However, SECI collected photographs of the tank cavity and surrounding area during the excavation sampling activities which are provided in **Appendix F.**

9) Based on information provided by the property owner, due to the close spacing (less than one foot between tanks) and the shape of the tanks (rectangular), minor amounts of backfill cover materials were removed during the tank closure activities and placed back into the tank cavity.

Appendix A

20 Day, 45 Day, Corrective Action Completion Report, Engineer Certification and Laboratory Certification Forms

Underground Storage Tank Owner/Operator:

Please indicate below the type of plan/report that is being submitted to the Agency at this time. This form must be attached to all plans and reports submitted to the Agency pursuant to 35 Ill. Adm. Code 732 and 415 ILCS 5/57-57.17. Please check all that apply.

20 Day Certification	10/9/97
45 Day Report	10/9/97
Free Product Removal Report	

	Initial Submittal	Amended Submittal
Site Classification Plan		
Site Classification Plan Budget		
Site Classification Completion Report		
Groundwater Monitoring Plan (Low Priority)		
Groundwater Monitoring Plan Budget (Low Priority)		
Groundwater Monitoring Results (Low Priority)		
Professional Engineer Certification (Low Priority)		
Corrective Action Plan (High Priority)		
Corrective Action Plan Budget (High Priority)		
Corrective Action Completion Report (High Priority)		
Professional Engineer Certification (High Priority)		
Corrective Action Completion Report (35 IAC Section 732.300(b), 732.400(b) or (c)	10/9/97	
Professional Engineer Certification (35 IAC Section 732.300(b), 732.400(b) or (c)	10/9/97	

I certify under penalty of law that this document was prepared by me or under my direction or supervision. This information is to the best of my belief and knowledge, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations.

Owner American Drapery Cleaners

Name: Richard Zell

Title: Owner/Operator

Signature: _____

Date: _____

Operator American drapery Cleaners

Name: Richard Zell

Title: Owner/Operator

Signature: Richard Zell

Date: 10/9/97

IL 532 2369
LPC 533 Rev. Dec-96

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
20 Day Certification

A. Site Identification

IEMA Incident # (6 digit): 952028 IEPA Generator # (10 digit): 0316055033

Site Name: American Drapery Cleaners

Site Address (Not a P.O. Box): 2235-39 Roscoe Street

City: Chicago County: Cook

B. Certification

1. I am/we are the owner and operator of the underground storage tank system(s) from which a release was reported under the IEMA incident correctly identified above;

2. As much of the regulated substance as necessary to prevent further release to the environment has been removed;

3. There has been a visual inspection of any above ground releases or exposed below ground releases;

4. Further migration of the released substance into surrounding soils and groundwater has been prevented;

5. Monitoring of any fire and safety hazards posed by vapors or free product that have migrated from the UST excavation zone and entered subsurface structures (such as sewers or basements) will continue;

6. Hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement or corrective action activities have been remedied;

7. If the treatment remedies included treatment or disposal of soils, the owner/operator has complied with 35 Ill. Adm. Code Parts 722, 724, 725, and 807 through 815;

8. Measurement for the presence of a release has been conducted where contamination was most likely to be present at the UST site;

9. In selecting sample types, sample locations and measurement methods, the nature of the stored substance, type of backfill, depth to groundwater and other factors as appropriate for identifying the presence and source of the release have been considered;

10. The investigations to determine the possible presence of free product, and begin free product removal as soon as possible; if applicable, in accordance with 35 Ill. Adm. Code Section 731.164 or 732.203;

C. Signatures

Owner American Drapery Cleaners

Name: Richard Zell

Title: Owner/Operator

Address: 2235-39 Roscoe Street

Phone: 773-472-4066

Signature:

Date: 10/9/97

Operator

Name: Same

Title:

Address:

Phone:

Signature:

Date:

Consultant

Firm: SECI

Contact: Ronald W. Schrack P.E.

Title: President

Address: 17W695 Butterfield Road Suite E
Oakbrook Terrace, IL 60181

Phone: 630 - 495 - 0707

Signature: RW Schl

Date: 10/9/97

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
45 Day Report

A. Site Identification

IEMA Incident # (6 digit): 952028 IEPA Generator # (10 digit): 0316055033

Site Name: American Drapery Cleaners

Site Address (Not a P.O. Box): 2235-39 Roscoe Street

City: Chicago County: Cook

B. Release Information

1. Will the owner/operator seek reimbursement from the Underground Storage Tank Fund? Yes___ No XX

2. Identify the material(s) released: Naphtha

3. The material(s) released was (check all that apply):

   a. Petroleum XX
   b. Nonpetroleum ___

4. Is this report intended to serve as theCorrective Action Completion Report? YesXX No___

C. Early Action

1. What was the volume of backfill material excavated? 0 yds^3

2. What was the volume of native soil excavated? 0 yds^3

3. Was groundwater encountered at the site? Yes___ NoXX

4. Did the groundwater exhibit a sheen? Yes___ NoXX

5. Was free product encountered? Yes___ NoXX
   If Yes, the owner/operator must submit a free product removal report.

D. Site Information See Narrative

Provide the following:

1. Data on the nature and estimated quantity of the release;

2. Data from available sources or site investigations concerning the following factors:

   a. Surrounding populations;
   b. Water quality;
   c. Use and approximate locations of wells potentially affected by the release;
   d. Subsurface soil conditions;
   e. Location of subsurface sewers;
   f. Climatological conditions;
   g. Land use.

3. A discussion of what was done to measure for the presence of a release where contamination was most likely to be present at the UST site;

4. The results of the free product investigations;

5. A discussion of the action taken to prevent further release of the regulated substance into the environment;

6. A discussion of the action taken to mitigate fire and safety hazards posed by vapors or free product that has migrated from the UST excavation zone and entered subsurface structures;

7. Any other information collected while performing initial abatement measures pursuant to 35 Ill. Adm. Code Section 731.162 or 732.202(b).

E. Supporting Documentation See Narrative

Provide the following:

1. Site map to scale and oriented north showing:

   a. UST(s) system(s) and excavation limits;
   b. Product and dispenser lines;
   c. Pumps and islands;
   d. Underground utilities (sewer, gas, water, etc.);
   e. Nearby structures (buildings, roads, etc.);
   f. Soil boring(s) (if present);
   g. Monitoring well(s) and/or sumps (if present);
   h. Property boundaries;
   i. Sample location points;

2. An area map showing the site in relation to surrounding properties. This map should identify the facilities on the surrounding properties;

3. A cross section, to scale, with dimensions showing the UST(s) and the excavation;

4. Analytical/screening results in tabular format;

5. UST(s) information in a tabular format and that at a minimum includes:

   a. The total number of UST(s) on site;
   b. The volume of the UST(s) (in gallons);
   c. The material stored in the UST(s);
   d. Identification of UST system(s) that had a release;
   e. Identification of UST system(s) that were repaired, removed, or abandoned-in-place.

6. A copy of the Office of the State Fire Marshal Permit for Removal, Abandonment-in-Place or other OSFM permits or notifications;

7. A narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed;

8. Photographs of UST removal activities and the excavation;

9. Copies of manifests for soil and groundwater transported off-site.

F. Signatures

I certify under penalty of law that this report, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, this report, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner American Drapery Cleaners	**Operator**
Name: Richard Zell	Name: Same
Title: Owner/Operator	Title:
Address: 2235-39 Roscoe Street Chicago, IL 60618	Address:
Phone: 773 - 472 - 4066	Phone:
Signature: American Drapery Cleaners R Zell	Signature: R Zell
Date: 10/9/97	Date:

Consultant

Firm: SECI

Contact: Ronald W. Scrack

Title: President

Address: 17W695 Butterfield Road Suite E

Oakbrook Terrace, IL 60181

Phone: 630 - 495 - 0707

Signature: R W Scr

Date: 10/9/97

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Corrective Action Completion Report

A. Site Identification

IEMA Incident # (6 digit): 952028 IEPA Generator # (10 digit): 0316055033

Site Name: American Drapery Cleaners

Site Address (Not a P.O. Box): 2235 - 39 Roscoe Street

City: Chicago County: Cook

B. Site Information

1. Is this an amended report? Yes___ No_X_

2. Has a High Priority Corrective Action Plan been approved? Yes___ No_X_
   Date of approval letter: _____

3. This completion report is being submitted pursuant to:

   a. 35 Ill. Adm. Code 731.166 _____

   b. 35 Ill. Adm. Code 732.300(b) XX

   c. 35 Ill. Adm. Code 732.400(b) _____

   d. 35 Ill. Adm. Code 732.400(c) _____

   e. 35 Ill. Adm. Code 732.409(a)(2)(b) _____

4. Method of remediation chosen:

   a. Soil See narrative on page 4 of 45 Day/Corrective Action Completion Report
   No contaminants were identified above applicable Tier 1 Objectives.

   b. Groundwater Not encountered

5. Quantity of contaminated media remediated/recovered:

   a. Soil 0 yds.^{3}

   b. Groundwater 0 gals.

   c. Free Product 0 gals.

C. Completion Information

See Narrative

Provide the following:

1. A chronological narrative of corrective action activities;
2. An explanation of how the corrective action activities remediated each of the threats which caused the site to be classified "High Priority";
3. An explanation of how corrective action addressed the exposure pathway that caused the site to be classified "High Priority";
4. A discussion of how the cleanup objectives were determined;
5. Media sampling and analytical procedures to verify completion of remediation;
6. The analytical results and cleanup objectives in tabular format;
7. Laboratory reports;
8. Soil boring logs;
9. Monitoring well logs;
10. Laboratory Certification;
11. Applicable Professional Engineer Certification;
12. Site maps to scale and oriented north showing the:

    a. Final soil sample locations demonstrating completion of remediation;
    b. Groundwater monitoring well locations;
    c. Groundwater recovery/discharge points;
    d. Plume of contamination as defined by laboratory analyses;
    e. Area remediated.

13. A legal description of the site or a reference to a plat showing the site boundaries.

14. The real estate tax index/parcel index number.

15. Photographs documenting corrective action activities.

D. Signatures

I certify under penalty of law that this report, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, this report, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner American Drapery Cleaners

Name: Richard Zell

Title: Owner/Operator

Address: 2235-39 Roscoe Street
Chicago, IL 60618

Phone: 773 - 472 - 4066

Operator

Name: Same

Title: _____

Address: _____

_____

Phone: _____

Signature: [signature] Signature: [signature]

Date: 10/9/97 Date: 10/9/97

Consultant

Firm: SECI

Contact: Ronald W. Schrack P.E.

Title: President

Address: 17W695 Butterfiel Road Suite E

Oakbrook Terrace, IL 60181

Phone: 630 - 495 - 0707

Signature: [signature]

Date: 10/9/97

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Professional Engineer Certification

A. Site Identification

IEMA Incident # (6 digit): 952028 IEPA Generator # (10 digit): 0316055033

Site Name: American Drapery Cleaners

Site Address (Not a P.O. Box): 2235-39 Roscoe Street

City: Chicago County: Cook

B. Certification

The release from the underground storage tank system(s) identified by the above referenced incident number at the above refernced site has been remediated in accordance with 35 Ill. Adm. Code, Part ☐ 731 or ☒ 732 and other applicable rules and regulations. The remedial activities are described in the Corrective Action Completion Report dated 10/9/97. The remediation has achieved the objectives set forth by the Agency in:

35 Ill. Adm. Code Part 742 XX *

* - Appendix B - Table B - Inhalation and Ingestion Objectives

Site Specific Cleanup Objectives approved by the Agency in the letter dated _____ _____

Other (specify) _____ _____

I certify under penalty of law that the Corrective Action Completion Report, supporting documents and all attachments were prepared under my direction or supervision or were reviewed by me. To the best of my knowledge and belief, the attached Corrective Action Completion Report, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of the fine and imprisonment for knowing violations.

Professional Engineer

Name: Ronald W. Schrack P.E.

Firm: SECI

Address: 17W695 Butterfield Road Suite E

Oakbrook Terrace, IL 60181

Phone: 630 - 495 - 0707

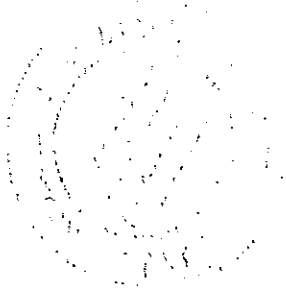
Ill. Registration No.: 062 - 046386

License Expiration Date: 11/30/97

Signature: RW Schrack

Date: 10/9/97

P.E. Seal



IL 532 2289
LPC 515 Rev. Dec-96

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident # (6 digit): 952028 IEPA Generator # (10 digit): 0316055033

Site Name: American Drapery Cleaners

Site Address (Not a P.O. Box): 2235 Roscoe Street

City: Chicago County: Cook

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples. (initial)
2. Chain of custody procedures were followed in the field. (initial)
3. Sample integrity was maintained by proper preservation. (initial)
4. All samples were properly labeled. (initial)

C. Laboratory Representative

I certify that:

1. Proper chain of custody procedures were followed as documented on the chain of custody forms. (initial)
2. Sample integrity was maintained by proper preservation. (initial)
3. All samples were properly labeled. (initial)
4. Quality assurance/quality control procedures were established and carried out. (initial)

5. Sample holding times were not exceeded. TLL (initial)

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses. TLL (initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Name: David Burrell
Title: Environmental Tech
Company: SECI
Address: 17W695 Butterfield Road Suite E
Oakbrook terrace, IL 60181
Phone: 630 - 495 - 0707
Signature: David T. Burrell
Date: 10-1-97

Laboratory Representative

Name: Timothy T. Lambert
Title: Laboratory Manager
Company: R.V. Fitzsimmions & Associates
Address: 1860 Arthur Drive
West Chicago, IL 60185
Phone: 630 - 231 - 0680
Signature: Timothy T. Lambert
Date: 10-2-97

Appendix B

ISWS Potable Well Database Information

Query the Databases of the Office of Groundwater Information. at the Illinois State Water Survey.

To query the well databases of the office of Groundwater Information you must...

1. Enter the county name [cook], township [40N], and range [14E]
   If you wish, you may also enter a list of sections [19,30]
2. Here are the databases that will be queried. If you don't want to query one of them, click on the box. To get more information on the fields, click on the database name.
   ☑ PICS Wells (info) ☑ Private Wells (info)
3. Select the format you would like the data in
   ◉ Viewing/Printing ○ Spreadsheet/Database
4. Click here to [Start Query] or here to [Clear Form]

Questions? If you don't get it answered here, then ask jblom@uiuc.edu

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NOTICE: PLEASE REFERENCE THE ILLINOIS STATE WATER SURVEY IN ANY USE OF THIS DATA

Oct 8 1997 Private Well Database Query Results Page 1

Water Survey ID: 34180 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot:
Owner: J LISTER GLUE WORKS Driller: J P MILLER
Constructed: 00000000 Permit #: Depth: 700
Record Type: O Use: IC Type: || Aquifer: BR Lambert X/Y: ,

Water Survey ID: 34178 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot:
Owner: INTERNATIONAL HARVESTER CO (DU Driller:
Constructed: 00001890 Permit #: Depth: 1500
Record Type: CO Use: IC Type: || Aquifer: BR Lambert X/Y: ,

Water Survey ID: 23950 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot:
Owner: WESTERN & ELSTON AVES Driller:
Constructed: 00000000 Permit #: Depth: 179
Record Type: OG Use: IC Type: Aquifer: BR Lambert X/Y: ,

Water Survey ID: 34181 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot:
Owner: J LISTER GLUE WORKS Driller: J P MILLER
Constructed: 00000000 Permit #: Depth: 1200
Record Type: O Use: IC Type: || Aquifer: BR Lambert X/Y: ,

Water Survey ID: 34179 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot:
Owner: INTERNATIONAL HARVESTER CO (DU Driller:
Constructed: 00001890 Permit #: Depth: 1565
Record Type: CO Use: IC Type: || Aquifer: BR Lambert X/Y: ,

Water Survey ID: 34167 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot:
Owner: DANIEL BOONE WOOLEN MILLS/LIBR Driller:
Constructed: 00001914 Permit #: Depth: 1099
Record Type: OG Use: IC Type: || Aquifer: BR Lambert X/Y: ,

Water Survey ID: 23951 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot: 3B
Owner: AMERICAN BRIDGE CO Driller:
Constructed: 00001914 Permit #: Depth: 1650
Record Type: OC Use: IC Type: Aquifer: BR Lambert X/Y: 3494741,3242476

Water Survey ID: 34126 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot: 5A
Owner: 2429 ELSTON AVENUE Driller:
Constructed: 00001914 Permit #: Depth: 700
Record Type: C Use: Type: || Aquifer: BR Lambert X/Y: 3493443,3241772

Water Survey ID: 34166 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot: 6A
Owner: ROYAL BREWING CO/BRAND BREWING Driller:
Constructed: 09001890 Permit #: Depth: 1294
Record Type: I Use: IC Type: || Aquifer: BR Lambert X/Y: 3492781,3241750

Water Survey ID: 34165 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot: 6A
Owner: ROYAL BREWING CO/BRAND BREWING Driller:
Constructed: 00001897 Permit #: Depth: 1650
Record Type: C Use: IC Type: || Aquifer: BR Lambert X/Y: 3492781,3241750

Water Survey ID: 34164 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot: 6A
Owner: ROYAL BREWING CO/BRAND BREWING Driller: J P MILLER
Constructed: 03001899 Permit #: Depth: 1598
Record Type: OGCI Use: IC Type: DL Aquifer: BR Lambert X/Y: 3492781,3241750

Water Survey ID: 34171 FIPS #: 031 Twnshp: 40N Range: 14E Sec: 30 Plot: 7C
Owner: DURKEE FAMOUS FOODS Driller: VARNER
Constructed: 00001935 Permit #: Depth: 1958
Record Type: OGC Use: IC Type: || Aquifer: BR Lambert X/Y: 3492066,3243049

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program

A. Site Identification

IEMA Incident # (6 or 9 digit): 952028 IEPA Generator # (10 digit): 0316055033

Site Name: American Drapery Cleaners

Site Address (Not a P.O. Box): 2235-39 Roscoe Street

City: Chicago County: Cook

Site Real Estate Tax/Parcel Index Number: _____

B. Owner Information

Please note that the following information must be received by the Agency prior to issuance of any No Further Remediation letter:

UST Owner

Individual/Company Name: American Drapery Cleaners

Contact: Richard Zell

Street Address: 2235-39 Roscoe Street

City, State, Zip Code: Chicago, IL 60618

Site Owner (if different than UST Owner)

Individual/Company Name: _____

Contact: _____

Street Address: _____

City, State, Zip Code: _____

Legal description of Site or reference to a plat showing the boundaries (attach Site base map)

Lots 2 and 3 ib block 11 in C.T.yerkes subdivision of blocks 33 to 36 inclusive and blocks 41 to 44 inclsive all in the subdivision of section 19,township 40 north, range 14 east of the third principal meridian,(except the south west ¼ of the north east ¼ and the southeast ¼ of the northwest ½ and the east ½ of the southeast ½ thereof) in Cook County,Illinois.

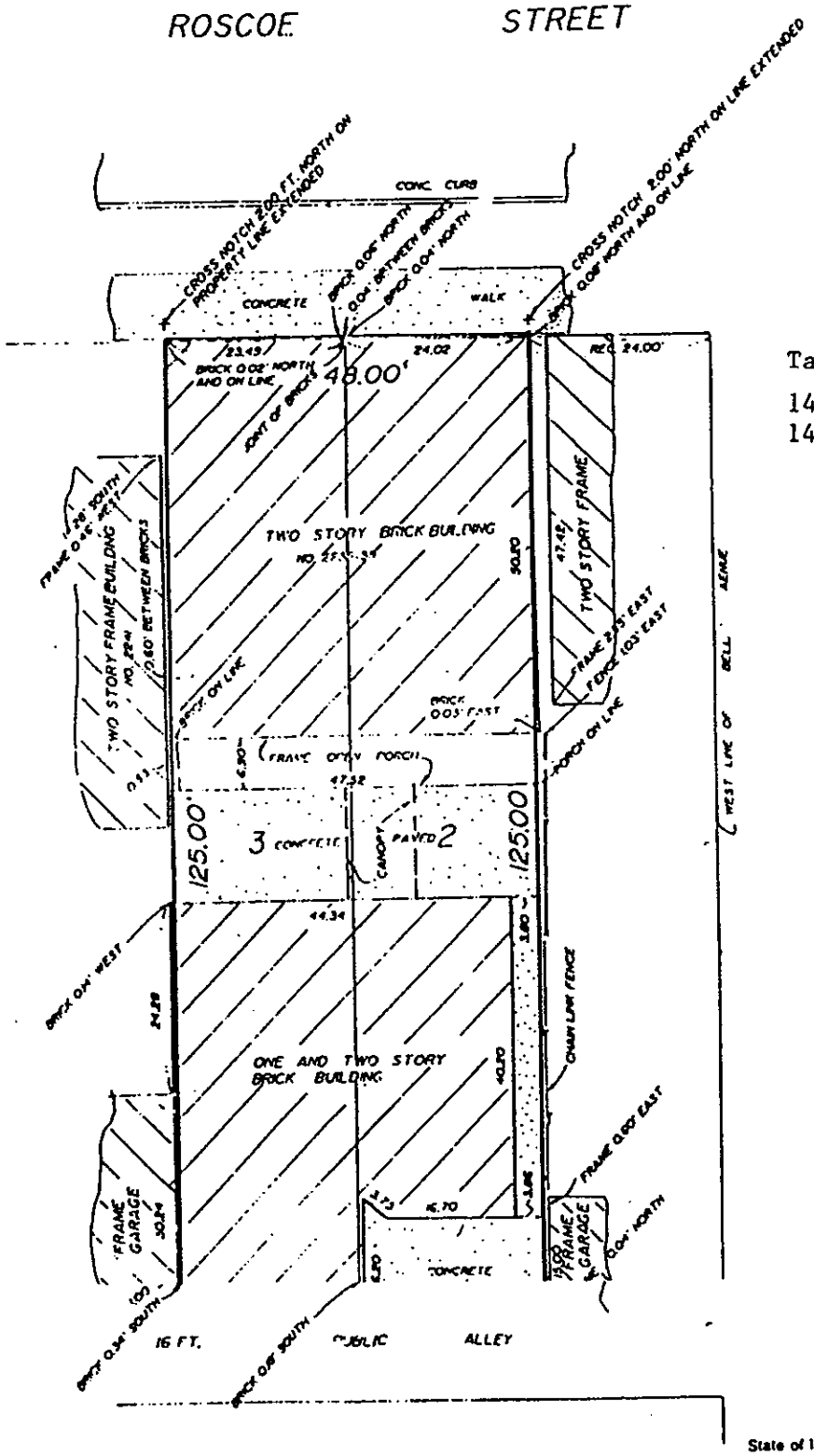
Attach additional sheets as needed.

ELSTON AVENUE
D, ILLINOIS 60630
AC 312/685-5102
312/286-4184

PLAT OF SURVEY

GREMLEY & BIEDERMANN INC.

Lots 2 and 3 in Block 11 in C. T. Yerke's Subdivision of Blocks 33 to 36 inclusive and Blocks 41 to 44 inclusive, all in Subdivision of Section 19, Township 40 North, Range 14, East of the Third Principal Meridian, except the Southwest Quarter of the Northeast Quarter and the Southeast Quarter of the Northwest Quarter and the East Half of the Southeast Quarter thereof, in Cook County, Illinois.



Tax ID Number/Property Number

14-19-318-008-0000
14-19-318-009-0000

931654

inch = 20 feet

JULY 27, 1993

for AMERICAN DRAPERY CLEANERS

DISTANCES ARE MARKED IN FEET AND DECIMAL PARTS THEREOF. COMPARE ALL POINTS BEFORE BUILDING BY SAME AND AT ONCE REPORT ANY DIFFERENCES BEFORE DAMAGE IS DONE.
FOR EASEMENTS, BUILDING LINES AND OTHER RESTRICTIONS NOT SHOWN ON SURVEY PLAT REFER TO YOUR ABSTRACT, DEED, CONTRACT, TITLE POLICY AND LOCAL BUILDING LINE REGULATIONS
NO DIMENSIONS SHALL BE ASSUMED BY SCALE MEASUREMENT UPON THIS PLAT

State of Illinois } ss.
County of Cook }

We, GREMLEY & BIEDERMANN, surveyed the above described pro drawn is a correct representation temperature of 62° Fahrenheit.

Profes

Query the Databases of the Office of Groundwater Information. at the Illinois State Water Survey.

To query the well databases of the office of Groundwater Information you must...

1. Enter the county name [cook], township [40N], and range [13E]
   If you wish, you may also enter a list of sections [24,25]
2. Here are the databases that will be queried. If you don't want to query one of them, click on the box. To get more information on the fields, click on the database name.
   ☑ PICS Wells (info) ☑ Private Wells (info)
3. Select the format you would like the data in
   ◉ Viewing/Printing ○ Spreadsheet/Database
4. Click here to [Start Query] or here to [Clear Form]

Questions? If you don't get it answered here, then ask jblom@uiuc.edu

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NOTICE: PLEASE REFERENCE THE ILLINOIS STATE WATER SURVEY IN ANY USE OF THIS DATA

Oct 8 1997 Private Well Database Query Results Page 1

Water Survey ID: 34117 FIPS #: 031 Twnshp: 40N Range: 13E Sec: 25 Plot:
Owner: (2429 ELSTON AVE) Driller:
Constructed: 00001914 Permit #: Depth: 1200
Record Type: C Use: Type: || Aquifer: BR Lambert X/Y: 3488389,3243940

Water Survey ID: 34140 FIPS #: 031 Twnshp: 40N Range: 13E Sec: 25 Plot:
Owner: EAGLE BREWERY Driller:
Constructed: 00001914 Permit #: Depth: 1583
Record Type: C Use: IC Type: || Aquifer: BR Lambert X/Y: 3488389,3243940

Appendix C

Analytical Testing Reports and Chain of Custody Forms

Fitzsimmons
& ASSOCIATES, INC.
CHEMICAL ANALYSTS & CONSULTANTS

1860 Arthur Drive
West Chicago, IL 60185
Tel: (630) 231-0680
Fax: (630) 231-0811

ANALYSIS REPORT FOR:

SCHRACK ENVIRONMENTAL CONSULTING, INC.
17W695 Butterfield Road, Suite E
Oakbrook Terrace, IL 60181

Attn: David Burrell

PURCHASE ORDER NO. [redacted]

SECI Proj. No. 97739.01

DATE 10/7/97

Samples Received: 10-2-97
Analysis Completed: 10-7-97

REPORT OF SAMPLE ANALYSIS: Analysis of six soil sample for B/Ns and VOCs.

SECI Project No. 97739.01

METHODS: VOCs -- Method 8260
B/Ns -- Method 8270

RESULTS:

Base/Neutral Compounds	NF-5'	EF-5'	SF-5'
bis(2-Chloroethyl)ether	< 0.30 mg/kg	< 0.30 mg/kg	< 0.30 mg/kg
1,2-Dichlorobenzene	< 0.30	< 0.30	< 0.30
1,3-Dichlorobenzene	< 0.30	< 0.30	< 0.30
1,4-Dichlorobenzene	< 0.30	< 0.30	< 0.30
N-Nitroso-di-n-propylamine	< 0.30	< 0.30	< 0.30
Hexachloroethane	< 0.30	< 0.30	< 0.30
Nitrobenzene	< 0.30	< 0.30	< 0.30
Isophorone	< 0.30	< 0.30	< 0.30
bis(2-Chloroethoxy)methane	< 0.30	< 0.30	< 0.30
1,2,4-Trichlorobenzene	< 0.30	< 0.30	< 0.30
Naphthalene	< 0.30	< 0.30	< 0.30
4-Chloroaniline	< 0.30	< 0.30	< 0.30
Hexachlorobutadiene	< 0.30	< 0.30	< 0.30
2-Methylnaphthalene	< 0.30	< 0.30	< 0.30
Hexachlorocyclopentadiene	< 0.30	< 0.30	< 0.30
2-Chloronaphthalene	< 0.30	< 0.30	< 0.30

RESULTS: (cont.)

Base/Neutral Compounds	NF-5'	EF-5'	SF-5'
2-Nitroaniline	< 1.00 mg/kg	< 1.00 mg/kg	< 1.00 mg/kg
Dimethylphthalate	< 0.30	< 0.30	< 0.30
Acenaphthylene	< 0.30	< 0.30	< 0.30
2,6-Dinitrotoluene	< 0.30	< 0.30	< 0.30
3-Nitroaniline	< 1.00	< 1.00	< 1.00
Acenaphthene	< 0.30	< 0.30	< 0.30
Dibenzofuran	< 0.30	< 0.30	< 0.30
2,4-Dinitrotoluene	< 0.30	< 0.30	< 0.30
Diethylphthalate	< 0.30	< 0.30	< 0.30
4-Chlorophenyl-phenyl ether	< 0.30	< 0.30	< 0.30
Fluorene	< 0.30	< 0.30	< 0.30
4-Nitroaniline	< 1.00	< 1.00	< 1.00
N-Nitrosodiphenylamine	< 0.30	< 0.30	< 0.30
4-Bromophenyl-phenyl ether	< 0.30	< 0.30	< 0.30
Hexachlorobenzene	< 0.30	< 0.30	< 0.30
Phenanthrene	< 0.30	< 0.30	< 0.30
Anthracene	< 0.30	< 0.30	< 0.30
Di-n-butylphthalate	< 0.30	< 0.30	< 0.30
Fluoranthene	< 0.30	< 0.30	< 0.30
Pyrene	< 0.30	< 0.30	< 0.30
Butylbenzylphthalate	< 0.30	< 0.30	< 0.30
3,3'-Dichlorobenzidene	< 0.60	< 0.60	< 0.60
Benzo(a)anthracene	< 0.30	< 0.30	< 0.30
Chrysene	< 0.30	< 0.30	< 0.30
bis(2-Ethylhexyl)phthalate	**1.56**	**1.27**	< 0.30
Di-n-octyl phthalate	**0.37**	< 0.30	< 0.30
Benzo(b)fluoranthene	< 0.30	< 0.30	< 0.30
Benzo(k)fluoranthene	< 0.30	< 0.30	< 0.30
Benzo(a)pyrene	< 0.30	< 0.30	< 0.30
Indeno(1,2,3-c,d)pyrene	< 0.30	< 0.30	< 0.30
Dibenzo(a,h)anthracene	< 0.30	< 0.30	< 0.30
Benzo(g,h,i)perylene	< 0.30	< 0.30	< 0.30

Base/Neutral Compounds	WF-5'	SB-6'	NB-6'
bis(2-Chloroethyl)ether	< 0.30 mg/kg	< 0.30 mg/kg	< 0.30 mg/kg
1,2-Dichlorobenzene	< 0.30	< 0.30	< 0.30
1,3-Dichlorobenzene	< 0.30	< 0.30	< 0.30
1,4-Dichlorobenzene	< 0.30	< 0.30	< 0.30
N-Nitroso-di-n-propylamine	< 0.30	< 0.30	< 0.30
Hexachloroethane	< 0.30	< 0.30	< 0.30
Nitrobenzene	< 0.30	< 0.30	< 0.30

RESULTS: (cont.)

Base/Neutral Compounds	WF-5'	SB-6'	NB-6'
Isophorone	< 0.30 mg/kg	< 0.30 mg/kg	< 0.30 mg/kg
bis(2-Chloroethoxy)methane	< 0.30	< 0.30	< 0.30
1,2,4-Trichlorobenzene	< 0.30	< 0.30	< 0.30
Naphthalene	< 0.30	< 0.30	< 0.30
4-Chloroaniline	< 0.30	< 0.30	< 0.30
Hexachlorobutadiene	< 0.30	< 0.30	< 0.30
2-Methylnaphthalene	< 0.30	< 0.30	< 0.30
Hexachlorocyclopentadiene	< 0.30	< 0.30	< 0.30
2-Chloronaphthalene	< 0.30	< 0.30	< 0.30
2-Nitroaniline	< 1.00	< 1.00	< 1.00
Dimethylphthalate	< 0.30	< 0.30	< 0.30
Acenaphthylene	< 0.30	< 0.30	< 0.30
2,6-Dinitrotoluene	< 0.30	< 0.30	< 0.30
3-Nitroaniline	< 1.00	< 1.00	< 1.00
Acenaphthene	< 0.30	< 0.30	< 0.30
Dibenzofuran	< 0.30	< 0.30	< 0.30
2,4-Dinitrotoluene	< 0.30	< 0.30	< 0.30
Diethylphthalate	< 0.30	< 0.30	< 0.30
4-Chlorophenyl-phenyl ether	< 0.30	< 0.30	< 0.30
Fluorene	< 0.30	< 0.30	< 0.30
4-Nitroaniline	< 1.00	< 1.00	< 1.00
N-Nitrosodiphenylamine	< 0.30	< 0.30	< 0.30
4-Bromophenyl-phenyl ether	< 0.30	< 0.30	< 0.30
Hexachlorobenzene	< 0.30	< 0.30	< 0.30
Phenanthrene	< 0.30	< 0.30	< 0.30
Anthracene	< 0.30	< 0.30	< 0.30
Di-n-butylphthalate	< 0.30	< 0.30	< 0.30
Fluoranthene	< 0.30	< 0.30	< 0.30
Pyrene	< 0.30	< 0.30	< 0.30
Butylbenzylphthalate	**0.97**	< 0.30	< 0.30
3,3'-Dichlorobenzidene	< 0.60	< 0.60	< 0.60
Benzo(a)anthracene	< 0.30	< 0.30	< 0.30
Chrysene	< 0.30	< 0.30	< 0.30
bis(2-Ethylhexyl)phthalate	**1.20**	< 0.30	**1.17**
Di-n-octyl phthalate	< 0.30	< 0.30	< 0.30
Benzo(b)fluoranthene	< 0.30	< 0.30	< 0.30
Benzo(k)fluoranthene	< 0.30	< 0.30	< 0.30
Benzo(a)pyrene	< 0.30	< 0.30	< 0.30
Indeno(1,2,3-c,d)pyrene	< 0.30	< 0.30	< 0.30
Dibenzo(a,h)anthracene	< 0.30	< 0.30	< 0.30
Benzo(g,h,i)perylene	< 0.30	< 0.30	< 0.30

Project No. 97739.01

RESULTS:

Volatile Compounds	NF-5'	EF-5'	SF-5'
Chloromethane	< 0.005 mg/kg	< 0.005 mg/kg	< 0.005 mg/kg
Bromomethane	< 0.005	< 0.005	< 0.005
Vinyl chloride	< 0.005	< 0.005	< 0.005
Chloroethane	< 0.005	< 0.005	< 0.005
Methylene chloride	< 0.005	< 0.005	< 0.005
Acetone	< 0.005	< 0.005	< 0.005
Carbon disulfide	< 0.005	< 0.005	< 0.005
1,1-Dichloroethene	< 0.005	< 0.005	< 0.005
1,1-Dichloroethane	< 0.005	< 0.005	< 0.005
1,2-Dichloroethene (total)	< 0.005	< 0.005	< 0.005
Chloroform	< 0.005	< 0.005	< 0.005
1,2-Dichloroethane	< 0.005	< 0.005	< 0.005
2-Butanone	< 0.005	< 0.005	< 0.005
1,1,1-Trichloroethane	< 0.005	< 0.005	< 0.005
Carbon tetrachloride	< 0.005	< 0.005	< 0.005
Bromodichloromethane	< 0.005	< 0.005	< 0.005
1,2-Dichloropropane	< 0.005	< 0.005	< 0.005
cis-1,3-Dichloropropene	< 0.005	< 0.005	< 0.005
Trichloroethene	< 0.005	< 0.005	< 0.005
Dibromochloromethane	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	< 0.005	< 0.005	< 0.005
Benzene	< 0.005	< 0.005	**0.506**
trans-1,3-Dichloropropene	< 0.005	< 0.005	< 0.005
Bromoform	< 0.005	< 0.005	< 0.005
4-Methyl-2-pentanone	< 0.005	< 0.005	< 0.005
2-Hexanone	< 0.005	< 0.005	< 0.005
Tetrachloroethene	< 0.005	< 0.005	< 0.005
Toluene	< 0.005	< 0.005	**0.023**
1,1,2,2-Tetrachloroethane	< 0.005	< 0.005	< 0.005
Chlorobenzene	< 0.005	< 0.005	< 0.005
Ethylbenzene	< 0.005	< 0.005	**0.036**
Styrene	< 0.005	< 0.005	< 0.005
Xylenes (total)	< 0.005	< 0.005	**0.075**

Project No. 97739.01

RESULTS:

Volatile Compounds	WF-5'	SB-6'	NB-6'
Chloromethane	< 0.005 mg/kg	< 0.005 mg/kg	< 0.005 mg/kg
Bromomethane	< 0.005	< 0.005	< 0.005
Vinyl chloride	< 0.005	< 0.005	< 0.005
Chloroethane	< 0.005	< 0.005	< 0.005
Methylene chloride	< 0.005	< 0.005	< 0.005
Acetone	< 0.005	< 0.005	< 0.005
Carbon disulfide	< 0.005	< 0.005	< 0.005
1,1-Dichloroethene	< 0.005	< 0.005	< 0.005
1,1-Dichloroethane	< 0.005	< 0.005	< 0.005
1,2-Dichloroethene (total)	< 0.005	< 0.005	< 0.005
Chloroform	< 0.005	< 0.005	< 0.005
1,2-Dichloroethane	< 0.005	< 0.005	< 0.005
2-Butanone	< 0.005	< 0.005	< 0.005
1,1,1-Trichloroethane	< 0.005	< 0.005	< 0.005
Carbon tetrachloride	< 0.005	< 0.005	< 0.005
Bromodichloromethane	< 0.005	< 0.005	< 0.005
1,2-Dichloropropane	< 0.005	< 0.005	< 0.005
cis-1,3-Dichloropropene	< 0.005	< 0.005	< 0.005
Trichloroethene	< 0.005	< 0.005	< 0.005
Dibromochloromethane	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	< 0.005	< 0.005	< 0.005
Benzene	< 0.005	< 0.005	**0.088**
trans-1,3-Dichloropropene	< 0.005	< 0.005	< 0.005
Bromoform	< 0.005	< 0.005	< 0.005
4-Methyl-2-pentanone	< 0.005	< 0.005	< 0.005
2-Hexanone	< 0.005	< 0.005	< 0.005
Tetrachloroethene	< 0.005	< 0.005	< 0.005
Toluene	< 0.005	< 0.005	**0.055**
1,1,2,2-Tetrachloroethane	< 0.005	< 0.005	< 0.005
Chlorobenzene	< 0.005	< 0.005	< 0.005
Ethylbenzene	< 0.005	< 0.005	**0.339**
Styrene	< 0.005	< 0.005	< 0.005
Xylenes (total)	< 0.005	< 0.005	**3.23**

Fitzsimmons & Associates, Inc.
CHEMICAL ANALYSTS & CONSULTANTS
1860 Arthur Drive • West Chicago, IL 60185
(630) 231-0680 • FAX: (630) 231-0811

SEC

17W695 Butterfield Rd. E
Oakbrook Terrace, Illinois 60181

001787

CHAIN OF CUSTODY RECORD

PROJ. NO. | PROJECT NAME: 97739.01

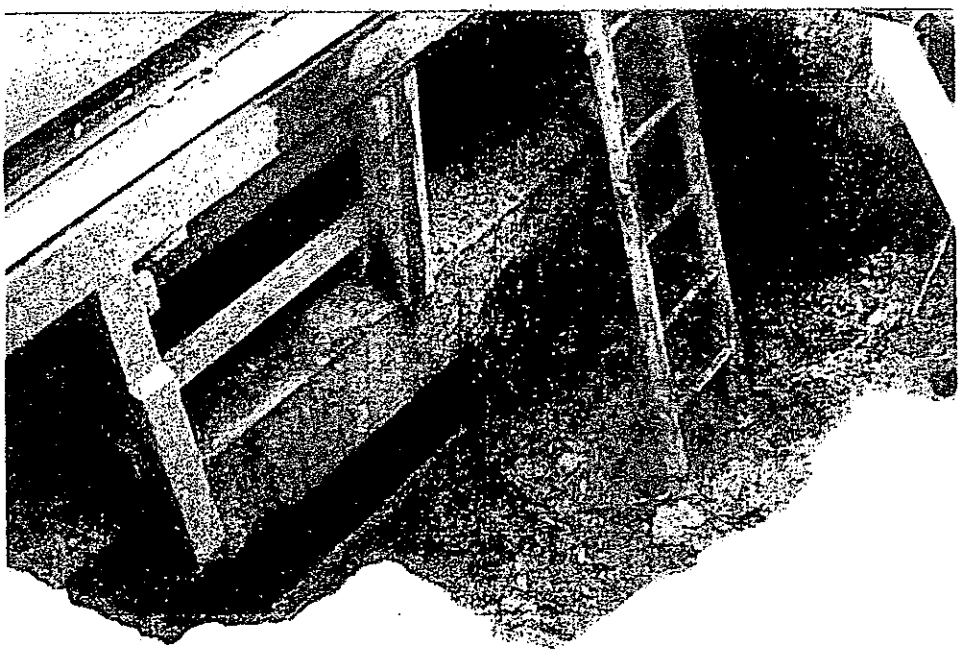
SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC	Base Neutral	REMARKS
1	10/1	97		X	NF-5'	1 4oz	X	X	
2	10/1	97		X	EF-5'	1 4oz	X	X	
3	10/1	97		X	SF-5'	1 4oz	X	X	
4	10/1	97		X	WF-5'	1 4oz	X	X	
5	10/1	97		X	SB-6'	1 4oz	X	X	
6	10/1	97		X	NB-6'	1 4oz	X	X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Tim Brown	10/8/97 1:30				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	

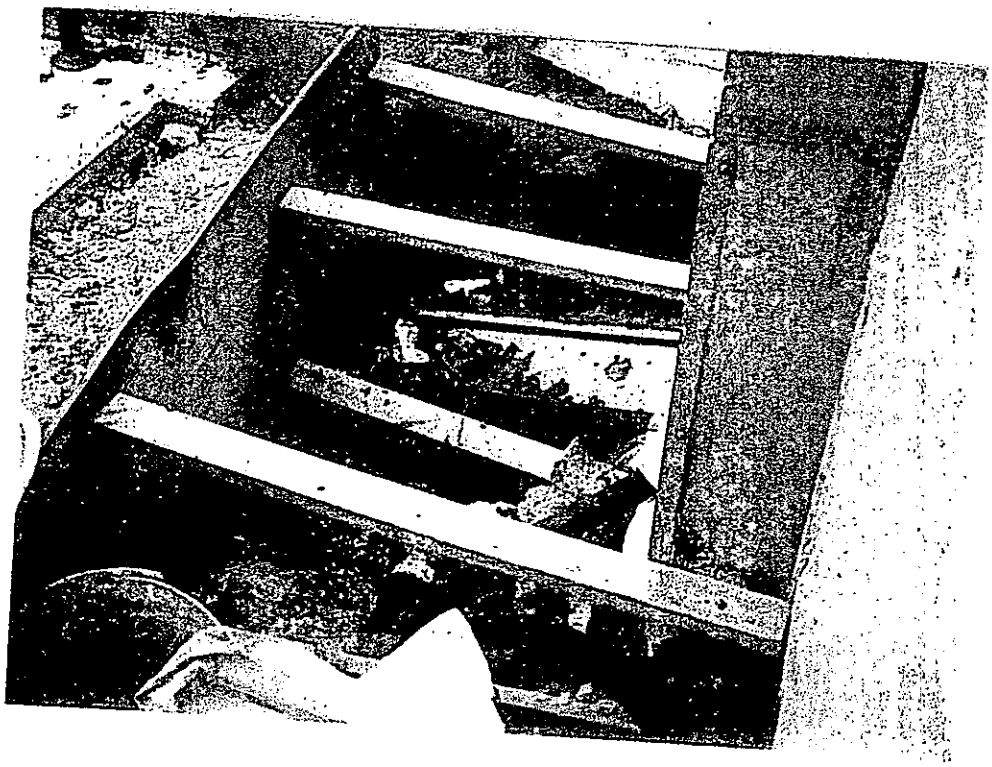
Appendix F

Excavation Soil Sampling Photographs

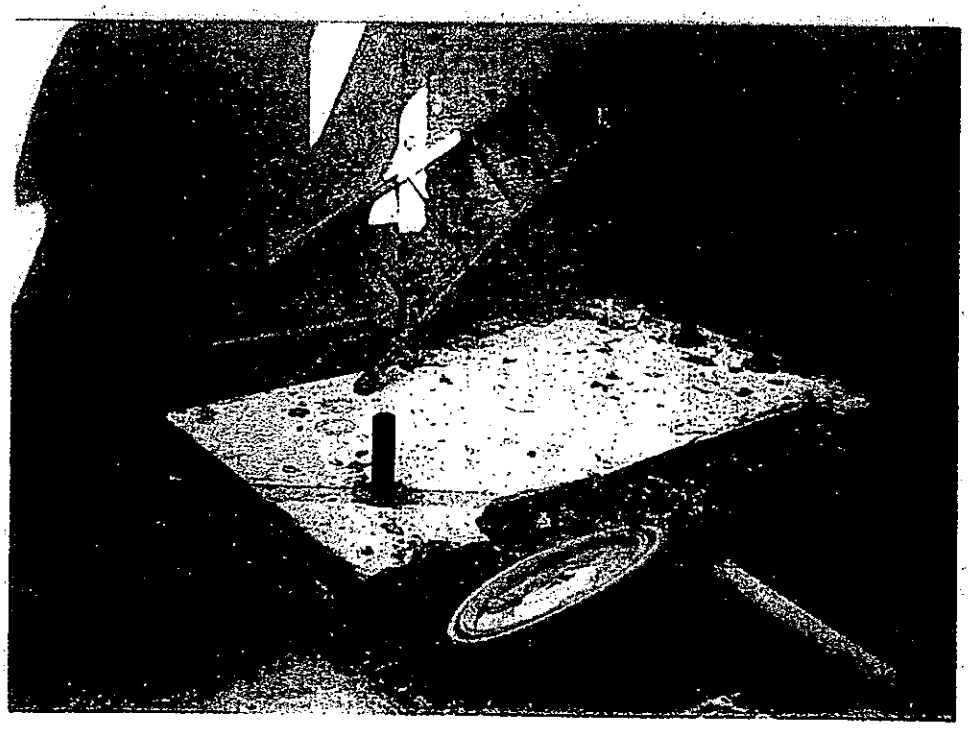


Abandoned 1,000 gallon Naphtha UST

North wall of UST Excavation



East wall of UST excavation and concrete debris



Concrete pad for above ground UST

Appendix G

Plat of Survey, Legal Description, & Tax/Parcel Index Numbers

Appendix E

UST Certificates of Destruction

Appendix D

City of Chicago Department of Environment UST Removal and Abandonment Permits

UNDERGROUND STORAGE TANK PERMIT

PERMIT NO.
102675

CITY OF CHICAGO
DEPARTMENT OF ENVIRONMENT
ENFORCEMENT AND COMPLIANCE DIVISION
30 NORTH LASALLE STREET, SUITE 2500, CHICAGO, IL 60602
UNDERGROUND STORAGE TANK UNIT

CONTRACTOR (NAME & ADDRESS)	FACILITY (NAME & ADDRESS)
METRO ENVIRONMENTAL CONTRACTOR	AMERICAN DRAPERY CLEANERS
1111 W DUNDEE RD.	2235-39 W ROSCOE
WHEELING, IL 60090	CHICAGO, IL 60618
REGISTRATION NO. IL-102	FACILITY ID: 2019094

TYPE OF PERMIT: REMOVAL

NUMBER OF TANKS: 3

SIZES OF TANKS: 3-700 GALLONS(NAPHTHA SPIRITS)

EFFECTIVE DATE: 11/12/96 EXPIRATION DATE: 5/12/97

TOTAL FEES: 100.00

PURSUANT to the Illinois Revised Statutes, Chapter 127½, Paragraph 9, and the City of Chicago-State of Illinois Delegation Agreement, PERMISSION is hereby granted to remove, install, abandon-inplace, repair (including upgrade), or temporarily close underground storage tank(s) or system(s). This permit may be revoked at any time. Permit is not transferrable, nor does it constitute a waiver of liability for responsibilities under Federal, State or Municipal laws or regulations. The DISPLAY COPY of this permit is required to be present at the site while any work is in progress.

Henry L. Henderson
COMMISSIONER

ORIGINAL COPY

UNDERGROUND STORAGE TANK PERMIT

PERMIT NO. 102796

CITY OF CHICAGO
DEPARTMENT OF ENVIRONMENT
ENFORCEMENT AND COMPLIANCE DIVISION
30 NORTH LASALLE STREET, SUITE 2500, CHICAGO, IL 60602
UNDERGROUND STORAGE TANK UNIT

CONTRACTOR (NAME & ADDRESS)	FACILITY (NAME & ADDRESS)
METRO ENVIRONMENTAL CONTRACTOR	AMERICAN DRAPERY CLEANERS
1111 W DUNDEE RD.	2235-39 W ROSCOE
WHEELING, IL 60090	CHICAGO, IL 60618
REGISTRATION NO. IL-102	FACILITY ID: 2019094

TYPE OF PERMIT: ABANDON

NUMBER OF TANKS: 3

SIZES OF TANKS: 3-1,000 GALLON (NAPHTHA)

EFFECTIVE DATE: 2/03/97 EXPIRATION DATE: 8/04/97

TOTAL FEES: 100.00

PURSUANT to the Illinois Revised Statutes, Chapter 127½, Paragraph 9, and the City of Chicago-State of Illinois Delegation Agreement, PERMISSION is hereby granted to remove, install, abandon-inplace, repair (including upgrade), or temporarily close underground storage tank(s) or system(s). This permit may be revoked at any time. Permit is not transferrable, nor does it constitute a waiver of liability for responsibilities under Federal, State or Municipal laws or regulations. The DISPLAY COPY of this permit is required to be present at the site while any work is in progress.

COMMISSIONER

DISPLAY COPY

METRO ENVIRONMENTAL CONTRACTORS, INC.
1111 West Dundee Road Wheeling, Illinois 60090-3936
(847) 465-4000 FAX 465-1864

American Drapery Cleaners
2239 W. Roscoe
Chicago, Il.60618

September 16, 1997

Attn: Richard Zell

Ref: Underground Storage Tanks

Dear Mr. Zell,

The three underground storage tanks at your facility have been cleaned internally of product residuals and inspected by The City of Chicago Fire and Environmental Departments. As per the permit issued by The City of Chicago, permit #102796, the tanks (two of three) were filled with a concrete slurry mixture on 4-4-97 and again inspected for closure by The City of Chicago Fire and Environmental Departments. At this time the two tanks are considered closed with no further action required. The third and final tank, which has already been cleaned, cut and prepared for removal will be taken out in pieces during the installation of the new 600 gallon Naptha tank. The City of Chicago Fire and Environmental Departments have declared the tank closed due to the tank being cleaned during their inspection and the majority of the vessel already being cut out and removed.

No liquids or solids have been removed from the facility under the existing generator number 0316055033.

The installation permit for the new 600 gallon underground naptha tank has been approved and is awaiting project scheduling.
If you have any questions regarding your project, Please feel free to contact me.

Respectfully,
Metro Environmental Contractors, Inc.

Robert Simoski
Vice President

APPENDIX 6

IEPA Response Letter dated June 28, 2017

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397
BRUCE RAUNER, GOVERNOR ALEC MESSINA, DIRECTOR

(217) 524-3300

June 28, 2017

American Drapery Cleaners
Attn: Mr. Richard Zell
401 South LaSalle Street, Suite 403
Chicago, Illinois 60618

Re: 0316055033--Cook County
Chicago/American Drapery Cleaners
Site Remediation/Technical Reports

Dear Mr. Zell:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the following documents submitted by EPS Environmental Services, Inc. on behalf of American Drapery Cleaners:

- April 19, 2017 *Focused Site Investigation Report/Remediation Objectives Report/Remedial Action Plan* (received May 1, 2017; Log No. 17-64666); and

- Updated DRM-1 form (received June 15, 2017; Log No. 17-64866).

The April 19, 2017 *Focused Site Investigation Report/Remediation Objectives Report/Remedial Action Plan* is disapproved; additional information is needed as discussed below:

1. All the removed/existing underground storage tanks (USTs) mentioned in Section 1.4 of the report should be identified on a figure along with all sampling points in support of the site sampling plan presented in Section 1.6.

   Section 1.4 identifies the following:

   - One (1) removed 150-gallon naphtha UST;
   - One (1) removed 100-gallon naphtha UST;
   - One (1) removed 750-gallon naphtha UST; and
   - One (1) currently in use 600-gallon naphtha UST.

2. In addition, Section 1.4.1 states that the following permits were issued:

   - A permit to remove three (3) 700-gallon USTs;
   - A permit to install one (1) 600-gallon UST;
   - A permit to abandon three (3) 700-gallon USTs; and
   - A permit to install one (1) 2,000-gallon fuel oil tank.

   Page 5 states that no record of removal of the 2,000-gallon fuel oil tank was identified.

3. In summary, please provide a figure identifying the locations of all tanks referenced in Comments 1 & 2 above along with all sampling points. In addition, please include the approximate location of the reported release in 1995 (Incident No. 95028). If the tank locations cannot be identified, a site-wide Ground Penetrating Radar (GPR) survey should be performed. Further sampling may be warranted.

4. More information is needed as related to the site-specific sampling plan. Please provide a discussion regarding the sampling rationale as related to all historical and existing tanks. Please provide a narrative discussion and summary table and provide reference to supporting figure(s) as necessary.

5. Section 1.6.1 states that two (2) soil gas samples were obtained in *select locations* on the site where *contamination would most likely be encountered.* Please provide more information; the relationship between the sampling locations and where contamination would most likely be encountered is not apparent.

6. Section 1.7 states that additional soil and soil gas sampling was conducted to fully characterize site conditions. Please provide more information in regards to sampling rationale for the investigation discussed in Section 1.7.1.

7. Figure 3 only identifies an 'Active UST' in the southern building. As stated above, please provide a figure identifying the locations of all tanks referenced in Comments 1 & 2. The figure should provide details such as the size/contents of the tank and status (removed, abandoned, existing, etc.). Also, the meaning of the features on Figure 3 associated with the UST (dashed lines, boxes) are unclear; please provide a legend identifying such features.

All future submittals to the Site Remediation Program should include one original and one copy of each document and a DRM-2 form.

If you have any questions regarding this letter, please contact me at (217) 785-8724.

Sincerely,

M.C.
Jeffrey J. Guy, Project Manager
Voluntary Site Remediation Unit
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

cc: Nicholas J. Cuzzone, EPA Environmental Services: NCuzzone@epsenvironmental.com

Bureau of Land File

FILE COPY

17-65219

0316055033-Cook
Chicago/American Drapery Cleaners
SR/TECH

environmental services, inc.

August 1, 2017

Mr. Jeffrey J. Guy, Project Manager
Illinois Environmental Protection Agency
Bureau of Land - Remedial Project Management Section
Site Remediation Program
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Re: Remedial Action Completion Report

Location: 0316055033-Cook County
Chicago/American Drapery Cleaners
Site Remediation/Technical

Dear Mr. Guy:

Enclosed are an original, photocopy and electronic copy of the *Remedial Action Completion Report* (RACR) for the above-referenced project location. If you have any questions regarding this submittal or need additional information, please contact me at your convenience.

Sincerely,

Nicholas J. Cuzzone, P.E.
Senior Project Engineer

Enclosure

7237 West Devon Avenue • Chicago, Illinois 60631
(773) 792-3090 Fax (773) 792-3091

environmental services, inc.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
SITE REMEDIATION PROGRAM

Remedial Action Completion Report

American Drapery Cleaners
2235-2239 West Roscoe Street
Chicago, Illinois
LPC #: 0316055033

Prepared For:

American Drapery Cleaners
2235-2239 West Roscoe Street
Chicago, Illinois

Prepared By:

EPS Environmental Services, Inc.
7237 West Devon Avenue
Chicago, Illinois 60631

Project Number:

17460-0816CO#1

August 1, 2017

17-65219

0316055033-Cook
Chicago/American Drapery Cleaners
SR/TECH

Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • Box 19276 • Springfield • Illinois • 62794-9276

Site Remediation Program Form (DRM-2)
(To be Submitted with all Plans and Reports)

You may complete this form online, save a copy, print, sign and mail it to the address above.

I. Site Identification:

Site Name: American Drapery Cleaners
Street Address: 2235-2239 West Roscoe Street P.O. Box:
City: Chicago State: IL Zip Code: 60618 Phone: 773-230-6058
Illinois Inventory ID Number: 0316055033 IEMA Incident Number:

II. Remediation Applicant:

Applicant's Name: Mr. Richard Zell
Company: American Drapery Cleaners
Street Address: 2235-2239 West Roscoe Street P.O. Box:
City: Chicago State: IL Zip Code: 60618 Phone: 773-230-6058
Email Address: zelldickzell@aol.com

I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.

Remediation Applicant's Signature: Richard Zell Date: 25 JUL 17

III. Contact Person for Remediation Applicant:

Contact's Name: Mr. Richard Zell
Company: American Drapery Cleaners
Street Address: 2235-2239 West Roscoe Street P.O. Box:
City: Chicago State: IL Zip Code: 60618 Phone: 773-230-6058
Email Address: zelldickzell@aol.com

Contact Person for Consultant:

Contact's Name: Mr. Nicholas J. Cuzzone
Company: EPS Environmental Services, Inc.
Street Address: 7237 West Devon Avenue P.O. Box:
City: Chicago State: IL Zip Code: 60631 Phone: 773-792-3090
Email Address: ncuzzone@epsenv.com

IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name:
Company:
Street Address: P.O. Box:
City: State: Zip Code: Phone:
Email Address:

RECEIVED
AUG - 3 2017
IEPA/BOL

IL 532-2547
LPC 566 March 2010

V. Project Documents Being Submitted:

Document Title: Remedial Action Completion Report
Date of Preparation of Plan or Report: 8/1/2017
Prepared by: EPS Environmental Services, Inc.
Prepared For: American Drapery Cleaners

Type of Document Submitted:

- [ ] Site Investigation Report - Comprehensive
- [ ] Site Investigation Report - Focused
- [ ] Remediation Objectives Report - Tier 1 or 2
- [ ] Remediation Objectives Report - Tier 3
- [ ] Remedial Action Plan
- [x] Remedial Action Completion Report
- [ ] Sampling Plan
- [ ] Health and Safety Plan
- [ ] Community Relations Plan
- [ ] Risk Assessment
- [ ] Containment Fate & Transport Modeling
- [ ] Other: _____

Document Title: _____
Date of Preparation of Plan or Report: _____
Prepared by: _____
Prepared For: _____

Type of Document Submitted:

- [ ] Site Investigation Report - Comprehensive
- [ ] Site Investigation Report - Focused
- [ ] Remediation Objectives Report - Tier 1 or 2
- [ ] Remediation Objectives Report - Tier 3
- [ ] Remedial Action Plan
- [ ] Remedial Action Completion Report
- [ ] Sampling Plan
- [ ] Health and Safety Plan
- [ ] Community Relations Plan
- [ ] Risk Assessment
- [ ] Containment Fate & Transport Modeling
- [ ] Other: _____

Document Title: _____
Date of Preparation of Plan or Report: _____
Prepared by: _____
Prepared For: _____

Type of Document Submitted:

- [ ] Site Investigation Report - Comprehensive
- [ ] Site Investigation Report - Focused
- [ ] Remediation Objectives Report - Tier 1 or 2
- [ ] Remediation Objectives Report - Tier 3
- [ ] Remedial Action Plan
- [ ] Remedial Action Completion Report
- [ ] Sampling Plan
- [ ] Health and Safety Plan
- [ ] Community Relations Plan
- [ ] Risk Assessment
- [ ] Containment Fate & Transport Modeling
- [ ] Other: _____

VI. Professional Engineer's or Geologist's Seal or Stamp:

I attest that all site investigations or remedial activities that are subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 Felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Engineer's or Geologist's Name: Nicholas J. Cuzzone

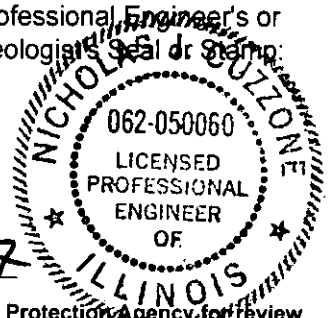
Company: EPS Environmental Services, Inc.

Registration Number: 062-050060 Phone: 773-792-3090

License Expiration Date: November 30, 2017

Signature: _____ Date: 8-1-2017

Professional Engineer's or Geologist's Seal or Stamp:



Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58.7(f), as amended by P. A. 92-0735, effective July 25, 2002. A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations proumulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

TABLE OF CONTENTS

APPENDICES

1.0 Executive Summary

1.1 Description of the Site

The Site is situated in a mixed commercial and residential setting in the City of Chicago, Cook County, Illinois. The Site consists of a rectangular-shaped parcel of land encompassing 0.13± acre. The Site is developed with three (3) commercial structures. The two (2) interconnected north buildings total approximately 2,350 square feet and were constructed in 1910 and 1923. The north Site buildings are constructed on separate full basements. The basement for 2235 West Roscoe Street is constructed of limestone block walls and concrete flooring and is equipped with a sump. The basement for 2239 West Roscoe Street is constructed with full concrete walls and floors and is also equipped with a sump.
The south Site building is an approximate 2,244 square foot, one- and two-story brick building constructed on a full concrete slab foundation. No sumps were observed in the south Site building.

The Site is located on the south side of West Roscoe Street, approximately ½-mile east of the North Branch of the Chicago River and approximately ¾-mile south of Highway 19 (West Irving Park Road), in the City of Chicago, Cook County, Illinois. The Site is currently occupied by American Drapery Cleaners & Flameproofing, Inc. Historically the Site was occupied by a dye house as early as 1914.

See Appendix 5 for a copy of the legal description and parcel identification numbers (PINs).

1.2 Recognized Environmental Conditions (RECs) in Connection with the Site

The following recognized environmental conditions (RECs) in connection with the Site were identified in a *Phase I Environmental Assessment* (Phase I) dated December 15, 2000, prepared by Benchmark Environmental Services, Inc. (Benchmark):

- There is a potential for a release(s) (e.g., mismanagement, spills, leaks, and/or dumping) of petroleum products and/or hazardous materials/waste utilized in historical "dry cleaning" operations on-Site to have negatively impacted soil/groundwater and/or present a vapor intrusion condition within the Site building.

The following Controlled Recognized Environmental Condition (CREC) was identified in connection with the Site:

- A Leaking Underground Storage Tank (LUST) incident was reported for the Site in 1995. According to the LUST database, a No Further Remediation (NFR) letter was issued to the Site in February of 1998. Although no further investigations are required for the LUST incident, the LUST incident and the management of contamination in situ presents a CREC in connection with the Site.

1.3 Contaminants of Concern and Extent of Contamination

No concentrations of volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) were identified in Site soil or groundwater above 35 Illinois Administrative Code (IAC) Part 742, titled *Tiered Approach to Corrective Action Objectives* (TACO) Tier 1 or Tier 2 soil remediation objectives (SROs) or groundwater remediation objectives (GROs) for residential land use and Class II Groundwater or background concentrations found within the City of Chicago. In addition, no concentrations of volatile chemicals (VCs) were identified above the soil gas component of the TACO Tier 1 advection/diffusion SGROs for residential land use. However, due to the construction of the basement in the north building at 2235 West Roscoe (limestone blocks), indoor air remediation objectives were utilized in this portion of the Site. As such, concentrations of VCs exceeded the indoor air remediation objectives (J&E1 and J&E2). As discussed in Section 3.2, the indoor inhalation exposure pathway has been excluded using building control technology (BCT) in accordance with IAC part 742.1200.

American Drapery Cleaners, the Remedial Applicant (RA), is requesting a focused No Further Remediation Letter for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

1.4 Anticipated Post-Remediation Use of the Site

The Site will continue to be utilized for commercial purposes; however, the RA is requesting an NFR letter for residential land use.

2.0 Field Activities

2.1 Site Investigations

2.1.1 Soil and Groundwater Investigation

On September 14 and 26, October 7, 2016 and January 12, 2017, EPS Environmental advanced 12 soil borings and installed two (2) groundwater monitoring wells (MW-1 and MW-2) at the Site. Soil and groundwater samples were obtained and analyzed for VOCs and semi-VOCs. Soil and groundwater sampling results identified no concentrations of contaminants of concern above TACO Tier 1 or Tier 2 SROs and GROs for residential land use and Class II Groundwater.

2.1.2 Soil Gas Investigation

On September 14, 2016 and January 12, 2017, EPS Environmental advanced three (3) soil probes (SG-1 through SG-3) to evaluate the indoor inhalation exposure pathway at the Site. The soil gas samples were submitted for laboratory analysis of volatile chemicals (VCs). Soil gas sampling results identified concentrations of various VCs above the TACO Tier 1 Indoor Air Remediation Objectives (J&E1 and J&E2).

See Appendix 1 for a copy of the Soil Boring, Soil Gas Sample and Groundwater Monitoring Well Location Map, and Appendix 2 for a copy of the Site Specific Remediation Objective Comparison Tables.

3.0 Remedial Activities and Special Conditions

Subpart C of TACO allows for exclusion of exposure pathways. A complete exposure route consists of a source of contamination, a pathway by which the contaminant can travel, and a receptor (human), which can be affected by the contaminant. If there is no complete exposure route, then there is no threat to human health. When a pathway is excluded, remediation objectives for the excluded pathway are not applicable. Thus, if the pathway can be eliminated, either by natural conditions in the soil, depth of contamination, or by use of engineered or institutional controls, no traditional remediation of the contaminants of concern is required. The major component of the remedial action completion report is to utilize Subpart C of 35 Illinois Administrative Code Part 742.300, Exclusion of Exposure Route, for COCs with concentrations above Tier 1 and Tier 2 SROs, SGROs or GROs identified in Site soil, soil gas and groundwater.

3.1 Inhalation Pathway

Outdoor Inhalation Exposure Route

No concentrations of contaminants exceeded the TACO Tier 1 or Tier 2 outdoor inhalation SROs for residential land use.

3.2 Indoor Inhalation Pathway

To exclude the indoor inhalation pathway the requirements of 35 IAC 742.312 must be satisfied.

Requirements of 35 IAC 742.312

a) None of the contaminants of concern are listed on Appendix A, Table J and none of the contaminants of concern are volatile chemicals, as defined in Section 742.200; or

Volatile chemicals (VCs) are contaminants of concern at the Site; therefore, the requirements of section b) must be met.

b) The requirements in subsections (b)(1)(A), (B) or (C) and (b)(2) and (b)(3) are met:

1) Exclusion options when the contaminants of concern are volatile chemicals:

A) No building or man-made pathway exists or will be placed above soil gas or groundwater exceeding Tier 1 remediation objectives for residential property (Appendix B, Table H), provided, however, that there is also no soil or groundwater contamination exceeding Tier 1 remediation objectives for residential property (Appendix B, Table A) or Class I groundwater (Appendix B, Table E) located 5 feet or less, horizontally, from any existing or potential building or man-made pathway; or

As stated in the previously submitted *Focused Site Investigation Report* (FSIR) dated April 12, 2016, the basement of the 2235 Site building is constructed of limestone walls. Therefore soil gas sample SG-3 results were compared to the TACO Tier 1 Indoor Air Remediation Objectives (J&E1 and J&E2). Concentrations of VCs in soil gas sample SG-3 exceeded the TACO Tier 1 Indoor Air Remediation Objectives.

B) An approved building control technology is in place or will be placed that meets the requirements of Subpart L; or

To exclude the indoor inhalation exposure route, the RA hired an outside contractor to install a sub-slab depressurization (SSD) system. One (1) SSD unit was installed to mitigate the potential for a vapor intrusion condition (VEC) to exist within the 2235 Site building. The SSD unit was installed at the Site in accordance with 35 IAC 742.1210, titled "*Building Control Technology Requirements.*"

Sub-Slab Depressurization (SSD) Installation.

The SSD system consisted of three (3) sub-slab suction points (approximately two-cubic feet per location), with three (3) inch diameter PVC header and trunk lines vented to the exterior. In addition, the cracks, joints and penetrations were sealed and one (1) inline fan was installed. Moreover, the limestone walls were sealed with EMOCOTE, a water/vapor proof sealant to prevent the migration of potential vapors within the Site building. See Appendix 4 for photographic documentation of the vapor mitigation system and sealed limestone walls.

2) The requirements of Sections 742.300 and 742.305 are met;

As verified in previous reports submitted to the IEPA, the requirements of Sections 742.300 and 742.305 have been met.

3) An institutional control, in accordance with Subpart J, will be placed on the property.

An institutional control will be placed on the Site in the form of a deed restriction restricting all existing and future buildings to have full concrete slab on grade or full concrete basement floors and walls, with no sumps. In addition, an institutional control will be placed on the Site requiring the Site owner to continually operate and maintain the SSD system.

3.3 Ingestion Pathway

No concentrations of contaminants of concern exceeded the TACO Tier 1 ingestion SROs for residential land use or background concentrations found within the City of Chicago.

3.4 Groundwater Ingestion Pathway

No concentrations of contaminants of concern exceeded the TACO Tier 1 SROs or GROs for residential land use and Class II Groundwater.

4.0 Conclusions

No concentrations of volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) were identified in Site soil or groundwater above 35 Illinois Administrative Code (IAC) Part 742, titled *Tiered Approach to Corrective Action Objectives* (TACO) Tier 1 or Tier 2 soil remediation objectives (SROs) or groundwater remediation objectives (GROs) for residential land use and Class II Groundwater or background concentrations found within the City of Chicago. In addition, no concentrations of volatile chemicals (VCs) were identified above the soil gas component of the TACO Tier 1 advection/diffusion SGROs for residential land use. However, due to the construction of the basement in the north building at 2235 West Roscoe (limestone blocks), indoor air remediation objectives were utilized in this portion of the Site. As such, concentrations of VCs exceeded the indoor air remediation objectives (J&E1 and J&E2). As discussed in Section 3.2, the indoor inhalation exposure pathway has been excluded using a building control technology in accordance with IAC part 742.1200. The extents of on-Site soil, soil gas and groundwater contamination have been determined.

4.1 Excluding the Ingestion Exposure Route

No concentrations of contaminants exceeded the TACO Tier 1 ingestion SROs for residential land use.

4.2 Excluding the Inhalation Exposure Route

No concentrations of contaminants exceeded the TACO Tier 1 or Tier 2 inhalation SROs for residential land use.

4.3 Excluding the Indoor Inhalation Exposure Route

35 IAC 742, Subpart C states exposure routes can be excluded if the requirements of 35 IAC 742.300 and 742.305 are met. These requirements have been met. In accordance with 35 IAC 742.312, to exclude the indoor inhalation exposure route, an institutional control will be placed on the Site in the form of a deed restriction, restricting all future buildings to have full concrete slab on grade or full concrete basement floors and walls, with no sumps. In addition, an institutional control will be placed on the Site requiring the Site owner to continually operate and maintain the SSD system.

4.4 Excluding the Groundwater Ingestion Exposure Route

No concentrations of contaminants exceeded the TACO Tier 1 soil component to the groundwater SROs or GROs for Class II Groundwater.

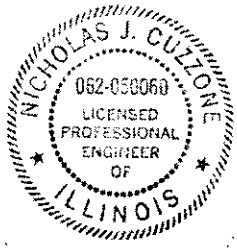
4.5 Results of the on-Site Remedial Action

The extent of concentrations of contaminants of concern on-Site above TACO Tier 1 and Tier 2 SROs, SGROs and GROs for residential land use and Class II Groundwater have been determined. No remediation or further investigation is required. This Report was constructed in a manner consistent with the required format of the IEPA Site Remediation Program, and contains information that will enable the IEPA to issue a Draft Focused NFR letter. Once the final NFR letter is received, it will be filed with the Cook County Clerk and Recorder of Deeds.

5.0 Licensed Professional Engineer Certification

I attest that all Site investigations or remedial activities, including review of laboratory data, that are the subject of this report were reviewed under my direction and this document was prepared under my direction or reviewed by me, and, to the best of my knowledge and belief, the work described in the plan or report has been designed or completed in accordance with the Act, 35 Ill. Adm. Code 740, and generally accepted engineering practices, and the information presented, including any qualified laboratory data, is accurate and complete.

Nicholas J. Cuzzone, P.E.
Senior Project Engineer
Illinois License #062-050060



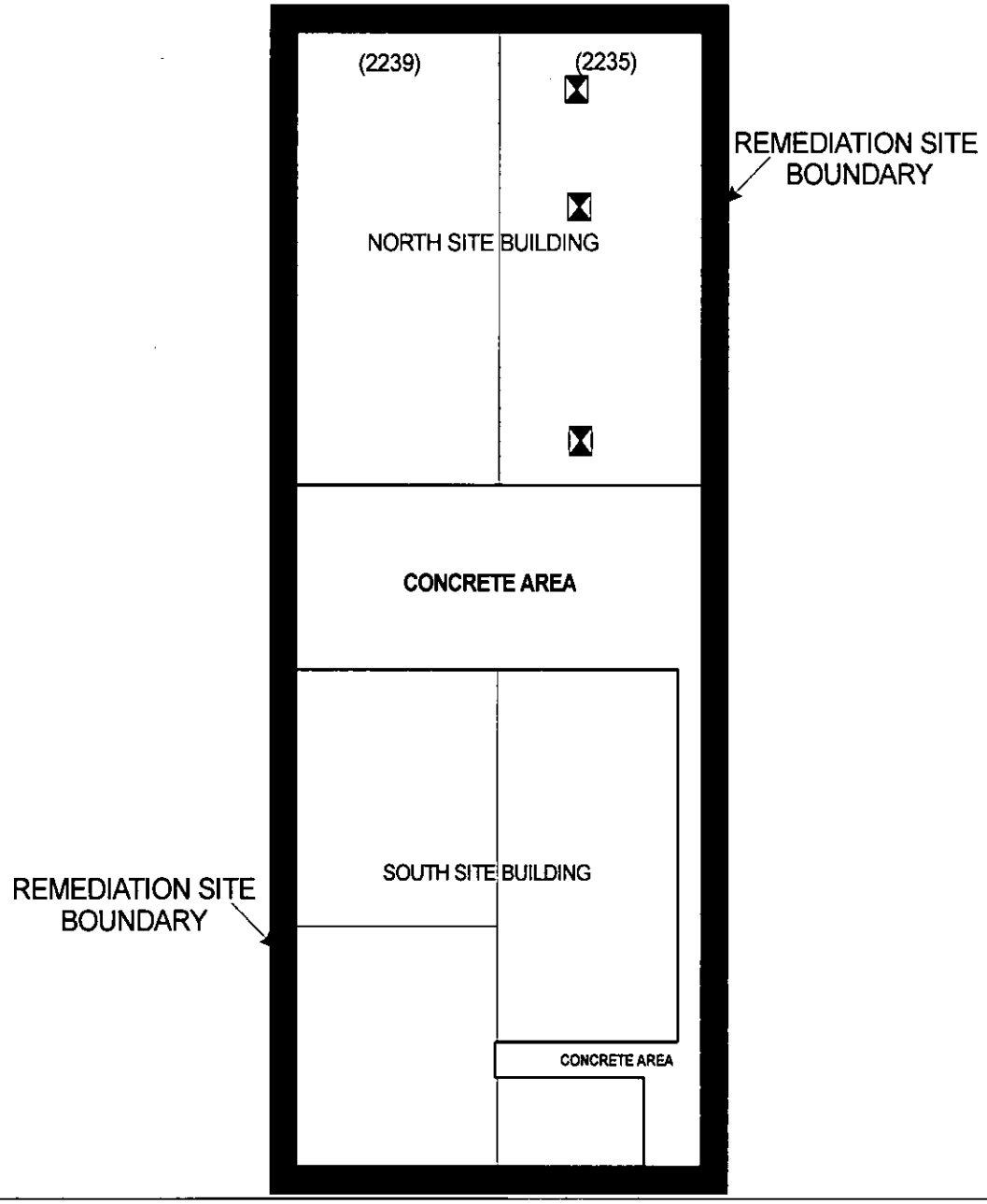
APPENDIX 1

Figures

Site Base Map
LPC#: 0316055033 - Cook County
Chicago/American Drapery Cleaners
Site Remediation Program/Technical Reports

North

WEST ROSCOE STREET



PUBLIC ALLEY

= Location of SSD Sump Pit

Scale:
1 inch = 20 feet

0' 20'

FIGURE 1 - SITE LOCATION MAP

2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

not to scale

Date: 07/26/17

Project #:17460-0816CO#1

Illinois EPA FOIA Exemption Reference Sheet

SID: 38546

Agency ID: 170000050290 Media File Type: LAND
Bureau ID: 0316055033
Site Name: Draw Drape Cleaners Inc
Site Address1: 2235 W Roscoe St
Site Address2:
Site City: Chicago State: IL Zip: 60618-6238

This record has been determined to be partially or wholly exempt from public disclosure

Exemption Type:

Redaction

Exempt Doc #: 2 **Document Date:** 8 /3 /2017 **Staff:** JKS

Document Description: REMEDIAL ACTION COMPLETION REPORT: FIGURES

Category ID: 31A **Category Description:** SITE REMEDIATION - TECHNICAL **Exempt Type:** Redaction
Permit ID: **Date of Determination:** 9 /8 /2017

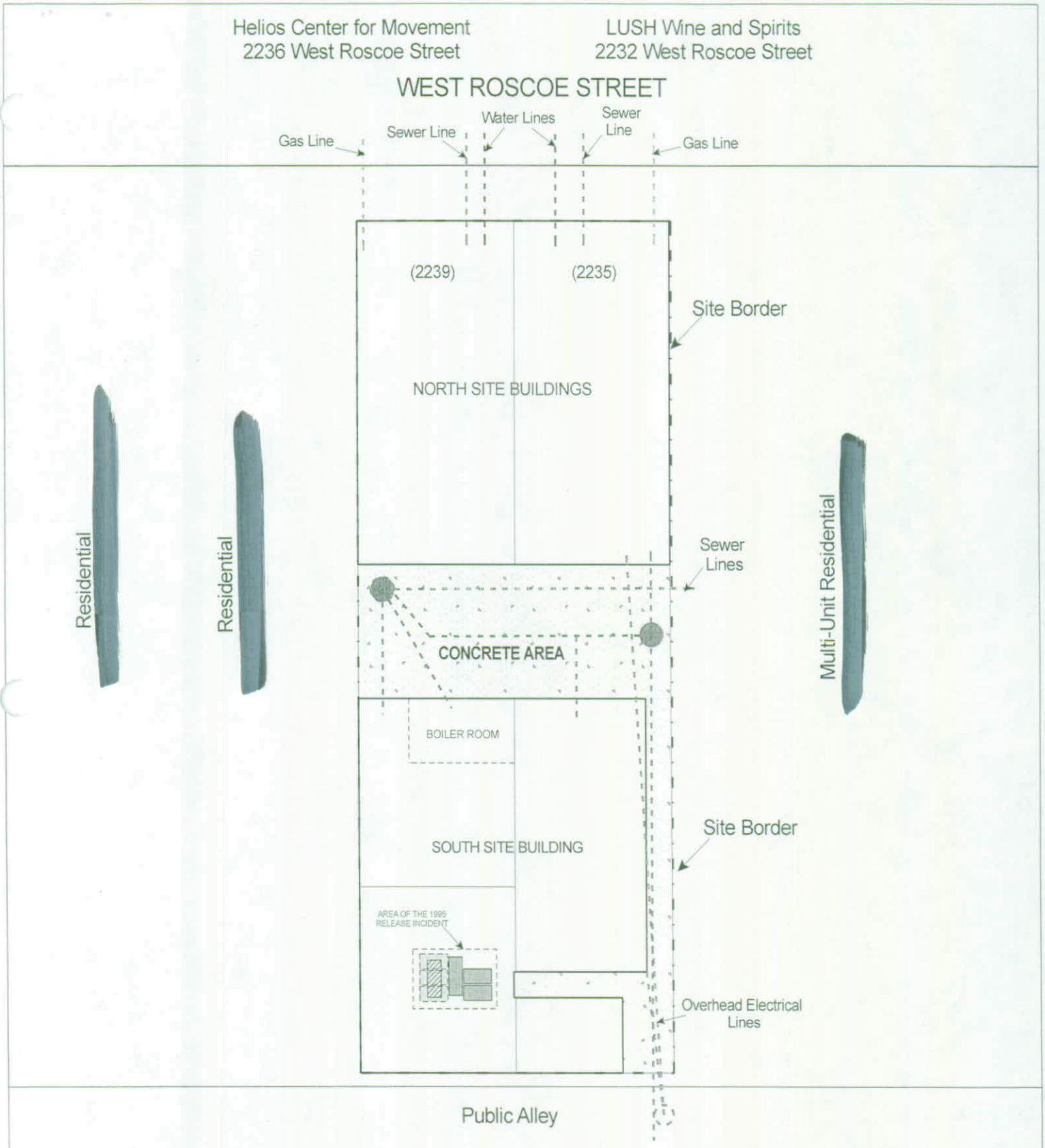


FIGURE 2 - SITE MAP

2235-2239 West Roscoe Street
Chicago, Illinois

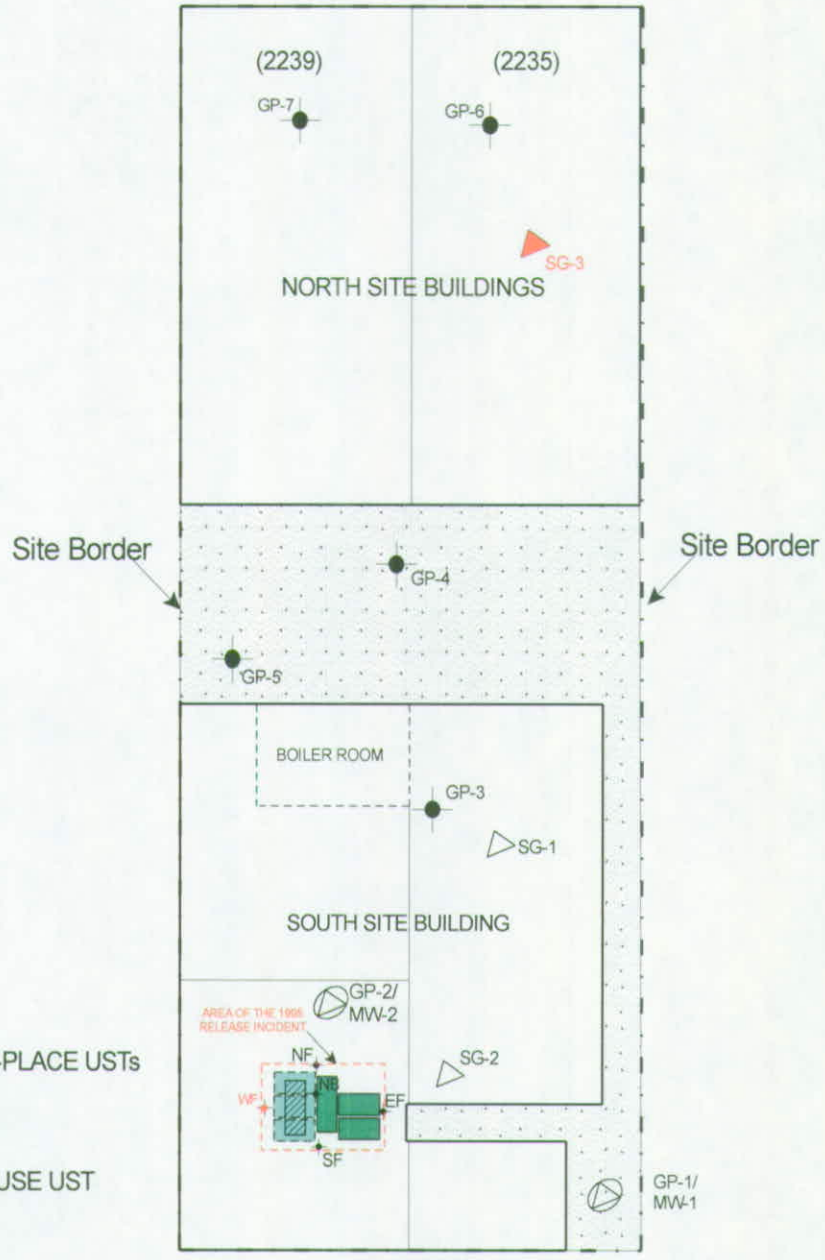
North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Approximate Scale:
1 inch = 20 feet
0' 20'

Date: 07/26/17
Project #:17460-0816CO#1

WEST ROSCOE STREET



PUBLIC ALLEY

GP-3 = Approximate Soil Boring Location

WF = Soil Sample Exceeds Tier 1 SROs

GP-1/ MW-1 = Approximate Boring and Well Location

SG-1 = Approximate Soil Gas Sample Location

SG-3 = Soil Gas Sample Exceeds Indoor Air Remediation Objectives

FIGURE 3 - BORING, SOIL GAS SAMPLE AND MONITORING WELL LOCATION MAP

2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Approximate Scale:
1 inch = 20 feet

0' 20'

Date: 07/26/17
Project #:17460-0816CO#1

WEST ROSCOE STREET

NOTE: THE BASEMENT OF 2239 WEST ROSCOE STREET IS CONSTRUCTED OF FULL CONCRETE WALLS AND FLOORS. NO POTENTIAL VAPOR MITIGATION WARRANTED.

NOTE: THE BASEMENT OF 2235 WEST ROSCOE STREET IS CONSTRUCTED OF LIMESTONE BLOCK WALLS AND CONCRETE FLOORS. POTENTIAL VAPOR MITIGATION WARRANTED.

NOTE: THE SOUTH SITE BUILDING IS CONSTRUCTED ON A CONCRETE SLAB ON GRADE FOUNDATION. NO POTENTIAL VAPOR MITIGATION WARRANTED.

PUBLIC ALLEY

GP-3 = Approximate Soil Boring Location

WF = Soil Sample Exceeds Tier 1 SROs

GP-1/ MW-1 = Approximate Boring and Well Location

SG-1 = Approximate Soil Gas Sample Location

SG-3 = Soil Gas Sample Exceeds Indoor Air Remediation Objectives

FIGURE 4 - EXTENT OF CONTAMINATION EXCEEDING TACO INDOOR AIR REMEDIATION OBJECTIVES

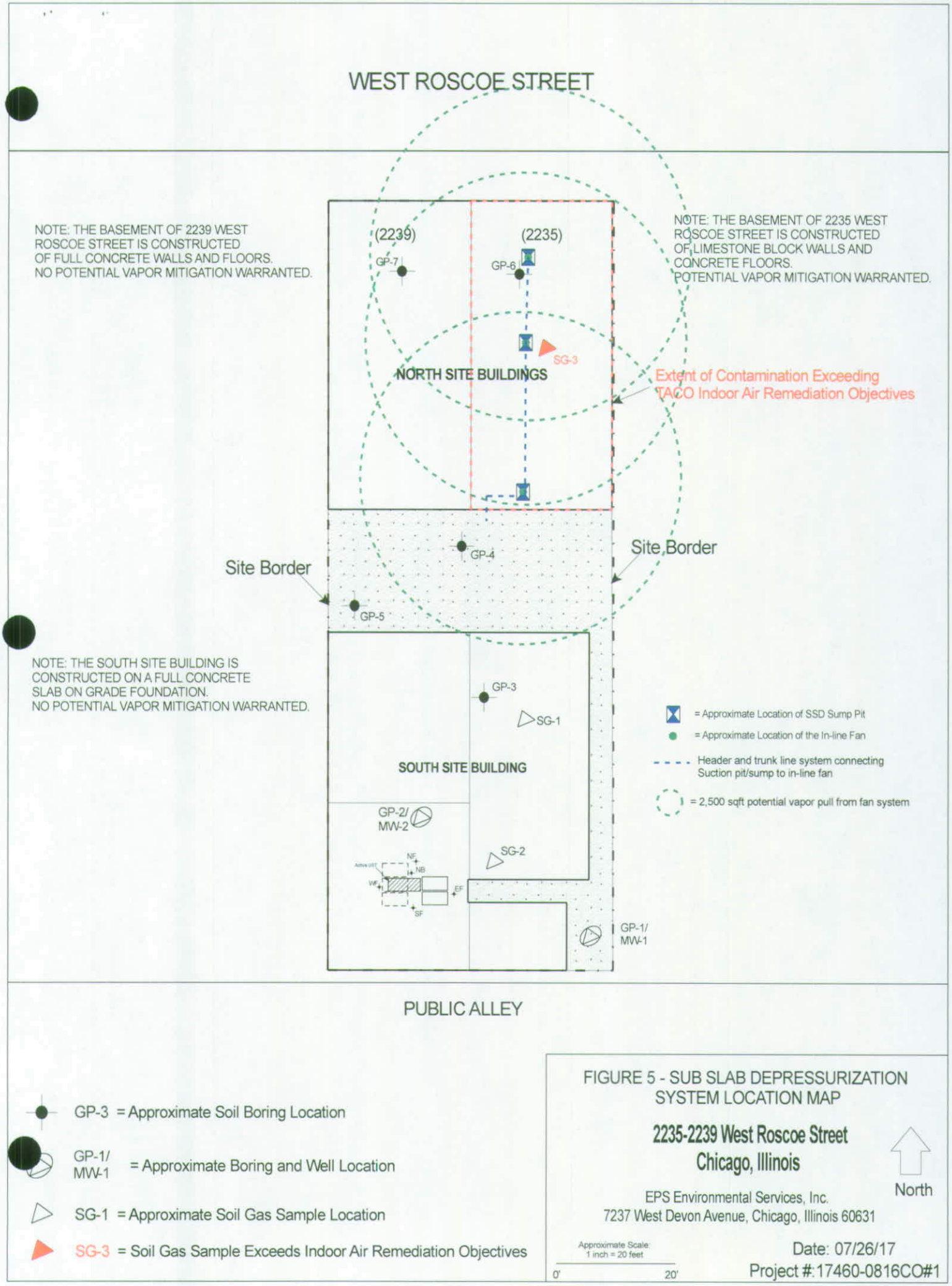
2235-2239 West Roscoe Street
Chicago, Illinois

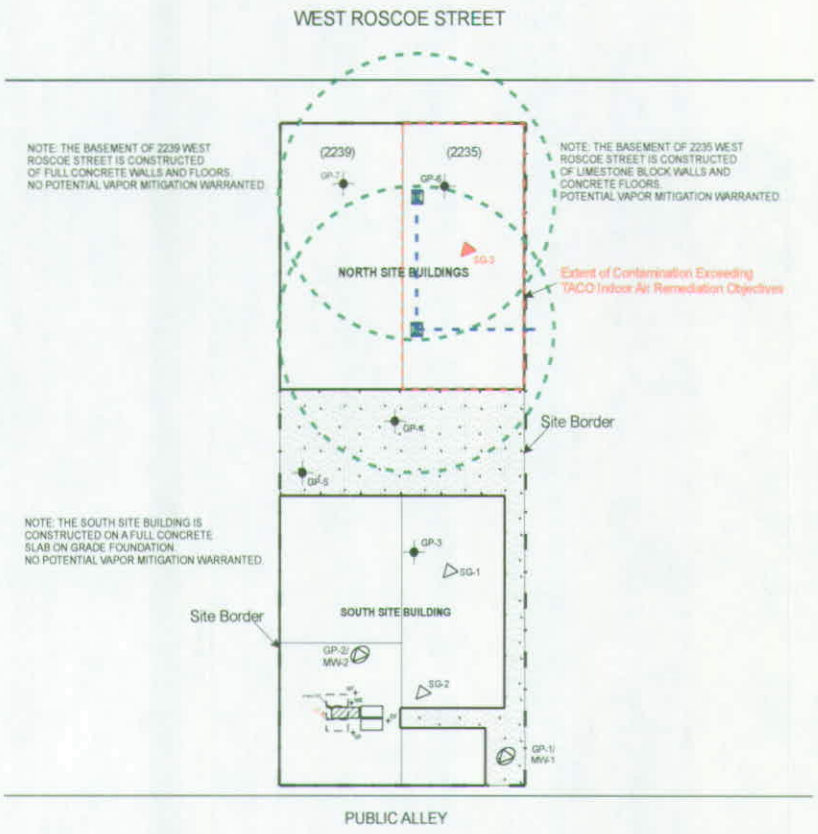
North

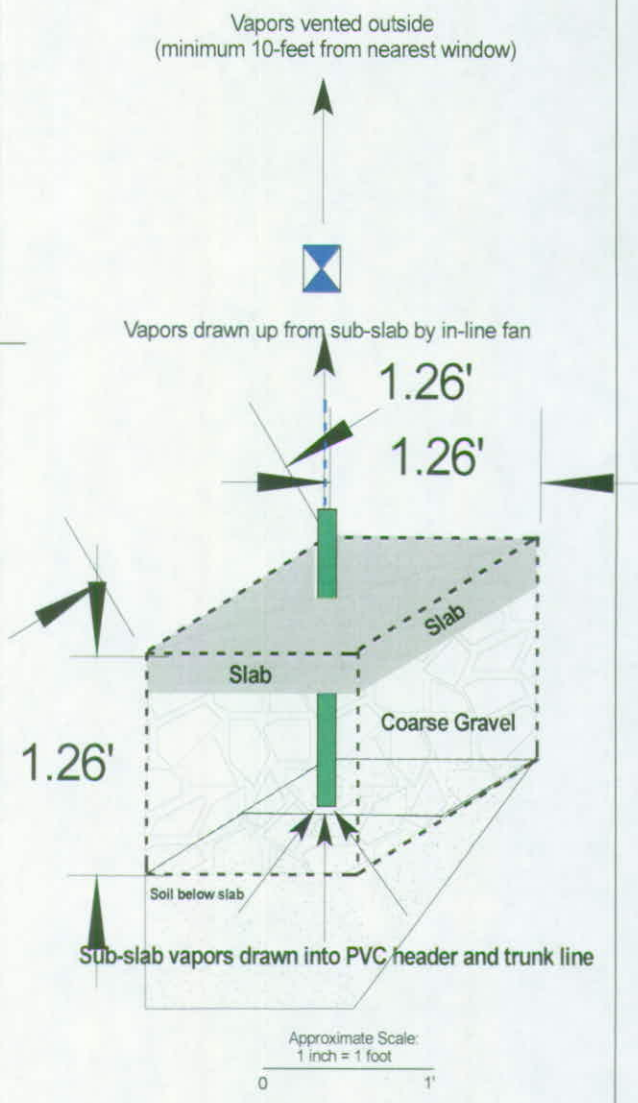
EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Approximate Scale:
1 inch = 20 feet
0' 20'

Date: 07/26/17
Project #:17460-0816CO#1


WEST ROSCOE STREET
NOTE: THE BASEMENT OF 2239 WEST ROSCOE STREET IS CONSTRUCTED OF FULL CONCRETE WALLS AND FLOORS. NO POTENTIAL VAPOR MITIGATION WARRANTED.
NOTE: THE BASEMENT OF 2235 WEST ROSCOE STREET IS CONSTRUCTED OF LIMESTONE BLOCK WALLS AND CONCRETE FLOORS. POTENTIAL VAPOR MITIGATION WARRANTED.
(2239)
(2235)
GP-7
GP-6
SG-3
NORTH SITE BUILDINGS
Extent of Contamination Exceeding TACO Indoor Air Remediation Objectives
Site Border
Site Border
GP-4
GP-5
NOTE: THE SOUTH SITE BUILDING IS CONSTRUCTED ON A FULL CONCRETE SLAB ON GRADE FOUNDATION. NO POTENTIAL VAPOR MITIGATION WARRANTED.
GP-3
SG-1
SOUTH SITE BUILDING
GP-2/ MW-2
SG-2
NF
NB
WF
EF
SF
GP-1/ MW-1
= Approximate Location of SSD Sump Pit
= Approximate Location of the In-line Fan
Header and trunk line system connecting Suction pit/sump to in-line fan
= 2,500 sqft potential vapor pull from fan system
PUBLIC ALLEY
GP-3 = Approximate Soil Boring Location
GP-1/ MW-1 = Approximate Boring and Well Location
SG-1 = Approximate Soil Gas Sample Location
SG-3 = Soil Gas Sample Exceeds Indoor Air Remediation Objectives
FIGURE 5 - SUB SLAB DEPRESSURIZATION SYSTEM LOCATION MAP
2235-2239 West Roscoe Street
Chicago, Illinois
North
EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631
Approximate Scale: 1 inch = 20 feet
0'
20'
Date: 07/26/17
Project #:17460-0816CO#1





= Approximate Location of the Sump Pit

= Approximate Location of the In-line Fan

Header and trunk line system connecting Suction pit/sump to in-line fan

= 2,500 sqft potential vapor pull from fan system

GP-3 = Approximate Soil Boring Location

GP-1/ MW-1 = Approximate Boring and Well Location

SG-1 = Approximate Soil Gas Sample Location

SG-3 = Soil Gas Sample Exceeds Indoor Air Remediation Objectives

FIGURE 6 - SUB SLAB DEPRESSURIZATION CROSS SECTION MAP

2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Date: 07/26/2017

Project #:17460-0816CO#1

BARRIER CROSS-SECTION ILLUSTRATION

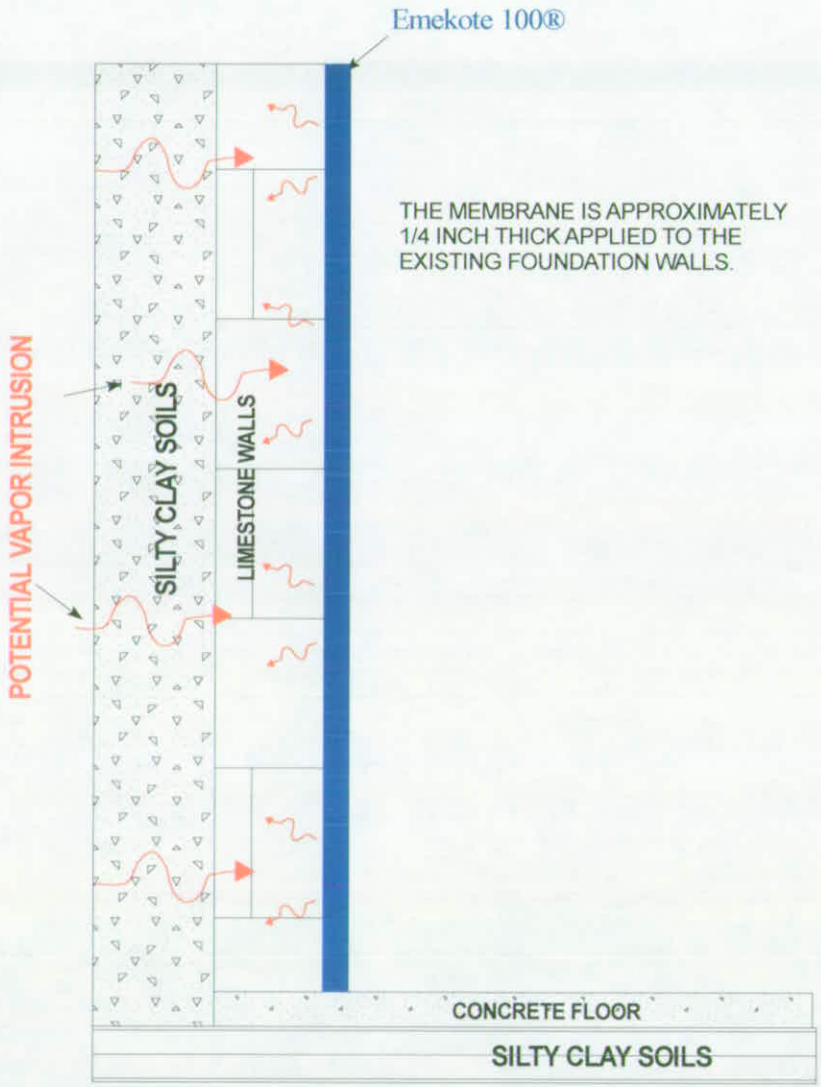


FIGURE 7 - BARRIER CROSS-SECTION

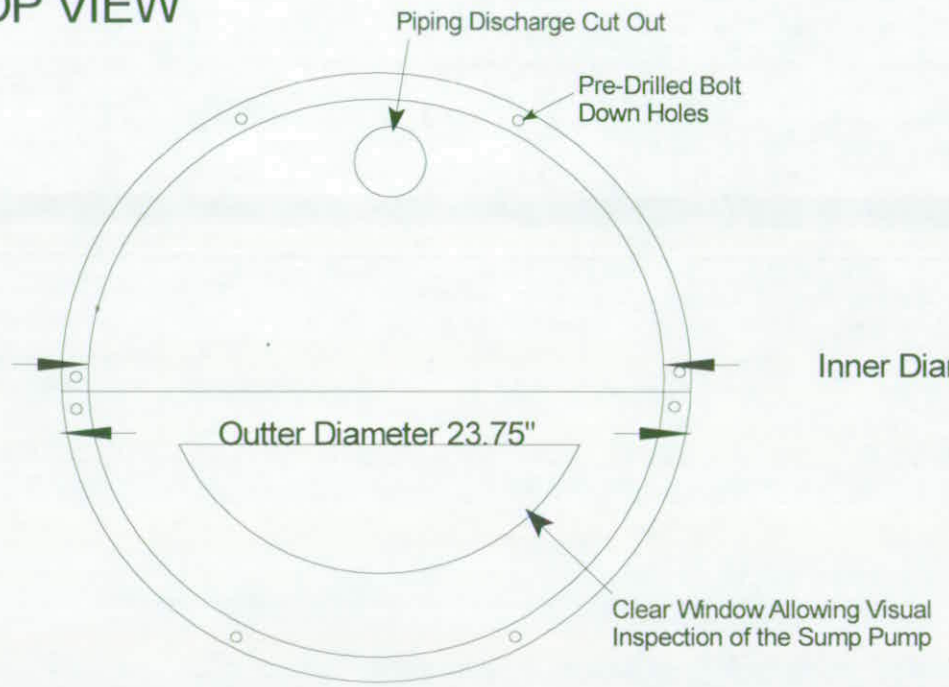
2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Date: 07/26/2017 Project #:17460-0816CO#1

TOP VIEW



VERTICAL PROFILE

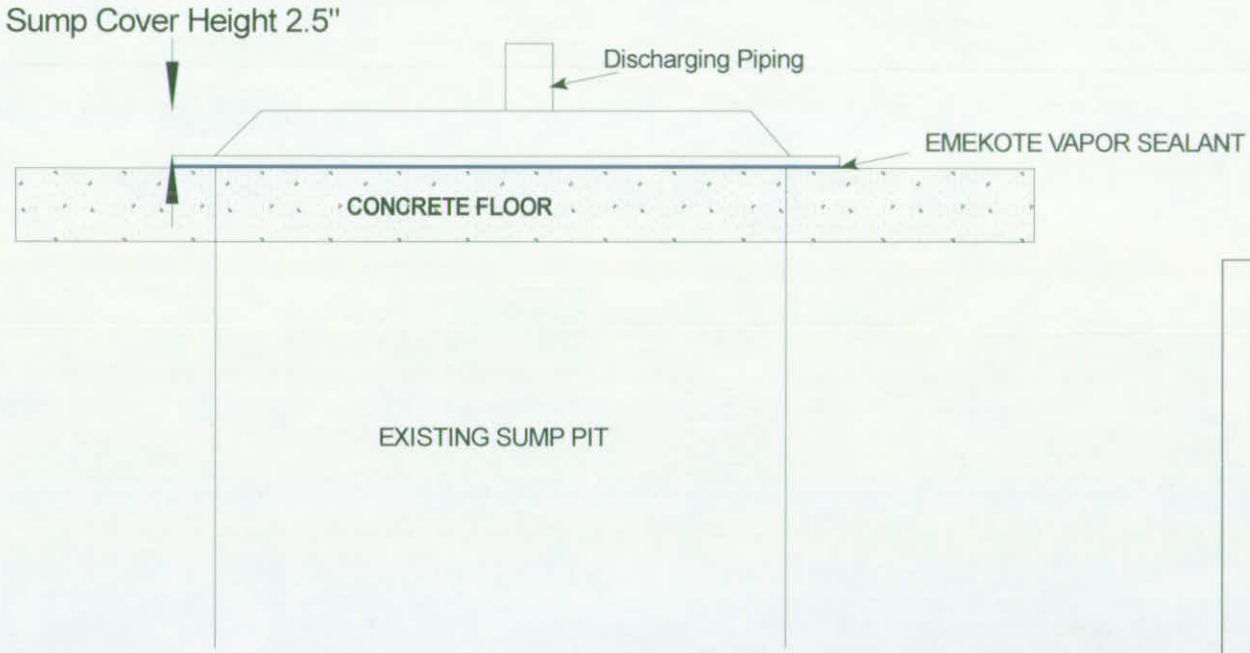


FIGURE 8 - SUMP COVER SCHEMATIC

2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Date: 07/26/2017 Project #:17460-0816CO#1

APPENDIX 2

Site Specific Remediation Objectives Comparison Tables

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'	GP-7/2'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017	1/12/2017
VOCs													
Acetone	70,000	100,000	NRO	100,000	25	< 7.4	< 0.087	< 6.1	< 0.082	< 0.093	< 0.085	< 0.095	< 0.095
Benzene	12	0.8	2,300	2.2	0.17	< 0.20	< 0.0058	< 0.16	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Bromodichloromethane	10	3,000	2,000	3,000	0.6	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Bromoform	81	53	16,000	140	0.8	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Bromomethane	110	10	1,000	3.9	1.2	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
2-Butanone (MEK)^	47,000	25,000	120,000	730	17	< 7.4	< 0.087	< 6.1	< 0.082	< 0.093	< 0.085	< 0.095	< 0.095
Carbon disulfide	7,800	720	20,000	9.0	160	< 5.0	< 0.058	< 4.0	< 0.055	< 0.062	< 0.057	< 0.064	< 0.063
Carbon tetrachloride	5	0.3	410	0.90	0.33	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Chlorobenzene	1,600	130	4,100	1.3	6.5	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Chloroethane^	NRO	1,500	20,000	39	NRO	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
Chloroform	100	0.3	2,000	0.76	2.9	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Chloromethane^	NRO	110	NRO	5	NRO	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1-Dichloroethane	7,800	1,300	200,000	130	110	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,2-Dichloroethane	7	0.4	1,400	0.99	0.1	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1-Dichloroethene	3,900	290	10,000	3.0	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
cis-1,2-Dichloroethene	780	1,200	20,000	1,200	1.1	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	3.4	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,2-Dichloropropane	9	15	1,800	0.50	0.15	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
cis-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.20	< 0.0023	< 0.16	< 0.0022	< 0.0025	< 0.0023	< 0.0025	< 0.0025
trans-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.20	< 0.0023	< 0.16	< 0.0022	< 0.0025	< 0.0023	< 0.0025	< 0.0025
Ethylbenzene	7,800	400	20,000	58	19	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'	GP-7/2'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017	1/12/2017
VOCs													
2-Hexanone^	390	450	1,000	47	0.16	< 2.0	< 0.023	< 1.6	< 0.022	< 0.025	< 0.023	< 0.025	< 0.025
4-Methyl-2-Pentanone (MIBK)^	6,300	3,100	340	340	2.5	< 2.0	< 0.023	< 1.6	< 0.022	< 0.025	< 0.023	< 0.025	< 0.025
Methylene chloride	85	13	12,000	34	0.2	< 0.99	< 0.012	< 0.81	< 0.011	< 0.012	< 0.011	< 0.013	< 0.013
Methyl tert-butyl ether	780	8,800	2,000	140	0.32	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Styrene	16,000	1,500	41,000	430	18	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1,2,2-Tetrachloroethane^	3.2	0.62	620	1.7	0.0035	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Tetrachloroethene	12	11	2,400	28	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Toluene	16,000	650	410,000	42	29	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1,1-Trichloroethane	NRO	1,200	NRO	1,200	9.6	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Trichloroethene	58	5	1,200	12	0.3	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Vinyl chloride	0.46	0.28	170	1.1	0.07	< 0.50	< 0.0058	< 0.40	< 0.0055	< 0.0062	< 0.0057	< 0.0064	< 0.0063
Xylenes, Total	16,000	320	41,000	14.65**	150	< 1.5	< 0.017	< 1.2	< 0.016	< 0.019	< 0.017	< 0.019	< 0.019

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^–Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

**Calculated Tier 2 Value

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*							
	ingestion	inhalation	ingestion	inhalation						
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
VOCs										
Acetone	70,000	100,000	NRO	100,000	25	< 4.7	< 0.10	< 0.078	< 5.8	< 4.9
Benzene	12	0.8	2,300	2.2	0.17	< 0.13	< 0.0068	< 0.0052	< 0.16	< 0.13
Bromodichloromethane	10	3,000	2,000	3,000	0.6	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Bromoform	81	53	16,000	140	0.8	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Bromomethane	110	10	1,000	3.9	1.2	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
2-Butanone (MEK)^	47,000	25,000	120,000	730	17	< 4.7	< 0.10	< 0.078	< 5.8	< 4.9
Carbon disulfide	7,800	720	20,000	9.0	160	< 3.2	< 0.068	< 0.052	< 3.9	< 3.3
Carbon tetrachloride	5	0.3	410	0.90	0.33	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chlorobenzene	1,600	130	4,100	1.3	6.5	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chloroethane^	NRO	1,500	20,000	39	NRO	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Chloroform	100	0.3	2,000	0.76	2.9	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chloromethane^	NRO	110	NRO	5	NRO	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1-Dichloroethane	7,800	1,300	200,000	130	110	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,2-Dichloroethane	7	0.4	1,400	0.99	0.1	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1-Dichloroethene	3,900	290	10,000	3.0	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
cis-1,2-Dichloroethene	780	1,200	20,000	1,200	1.1	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	3.4	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,2-Dichloropropane	9	15	1,800	0.50	0.15	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
cis-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.13	< 0.0027	< 0.0021	< 0.16	< 0.13
trans-1,3-Dichloropropene	6.4	1.1	1,200	0.39	0.02	< 0.13	< 0.0027	< 0.0021	< 0.16	< 0.13
Ethylbenzene	7,800	400	20,000	58	19	< 0.32	< 0.0068	< 0.0052	1.3	< 0.33

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*							
	ingestion	inhalation	ingestion	inhalation						
					Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
VOCs										
2-Hexanone^	390	450	1,000	47	0.16	< 1.3	< 0.027	< 0.021	< 1.6	< 1.3
4-Methyl-2-Pentanone (MIBK)^	6,300	3,100	340	340	2.5	< 1.3	< 0.027	< 0.021	< 1.6	< 1.3
Methylene chloride	85	13	12,000	34	0.2	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Methyl tert-butyl ether	780	8,800	2,000	140	0.32	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Styrene	16,000	1,500	41,000	430	18	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,2,2-Tetrachloroethane^	3.2	0.62	620	1.7	0.0035	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Tetrachloroethene	12	11	2,400	28	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Toluene	16,000	650	410,000	42	29	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,1-Trichloroethane	NRO	1,200	NRO	1,200	9.6	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Trichloroethene	58	5	1,200	12	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Vinyl chloride	0.46	0.28	170	1.1	0.07	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Xylenes, Total	16,000	320	41,000	14.65**	150	< 0.95	< 0.020	< 0.016	8.7	< 0.99

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

**Calculated Tier 2 Value

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	Background Within MSA (Chicago)**	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
						Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017
Acenaphthene	4,700	NRO	120,000	NRO	2,900	0.09	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Acenaphthylene	2,300	NRO	61,000	NRO	420	0.03	0.051	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Aniline^	110	83	1,400	8.6	0.064	NRO	< 0.48	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.45
Anthracene	23,000	NRO	610,000	NRO	59,000	0.25	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Benzo(a)anthracene	0.9	NRO	170	NRO	8	1.1	0.15	< 0.041	< 0.044	< 0.039	0.089	0.044	< 0.044
Benzidine^	0.003	0.009	0.54	0.02	0.000002***	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44
Benzo(a)pyrene	0.09	NRO	17	NRO	82	1.3	0.19	< 0.041	< 0.044	< 0.039	0.081	0.053	< 0.044
Benzo(b)fluoranthene	0.9	NRO	170	NRO	25	1.5	0.15	< 0.041	< 0.044	< 0.039	0.087	0.049	< 0.044
Benzo(g,h,i)perylene	2,300	NRO	61,000	NRO	130,000	0.68	0.16	< 0.041	< 0.044	< 0.039	0.062	0.046	< 0.044
Benzo(k)fluoranthene	9	NRO	1,700	NRO	250	0.99	0.14	< 0.041	< 0.044	< 0.039	0.072	0.047	< 0.044
Benzoic acid	310,000	NRO	820,000	NRO	400	NRO	< 1.2	< 1.0	< 1.1	< 0.98	< 1.1	< 1.0	< 1.1
Benzyl alcohol^	7,800	NRO	61,000	NRO	3	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
bis(2-Chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.66***	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	31,000	NRO	< 1.2	< 1.0	< 1.1	< 0.98	< 1.1	< 1.0	< 1.1
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Butyl benzyl phthalate	16,000	930	410,000	930	930	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Carbazole	32	NRO	6,200	NRO	2.8	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Chloroaniline	310	NRO	820	NRO	0.7	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44
2-Chloronaphthalene^	6,300	NRO	41,000	NRO	240	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Chlorophenol	390	53,000	10,000	53,000	4	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Chrysene	88	NRO	17,000	NRO	800	1.2	0.19	< 0.041	< 0.044	< 0.039	0.098	0.059	< 0.044
Dibenz(a,h)anthracene	0.09	NRO	17	NRO	7.6	0.2	0.052	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Dibenzofuran^	78	NRO	820	NRO	15	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
1,2-Dichlorobenzene	7,000	560	18,000	310	43	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
1,4-Dichlorobenzene	NRO	11,000	NRO	340	11	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
3,3-Dichlorobenzidine	1	NRO	280	NRO	1.3***	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4-Dichlorophenol	230	NRO	610	NRO	1	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4-Dimethylphenol	1,600	NRO	41,000	NRO	9	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Dimethyl phthalate^	NRO	NRO	20,000	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4,6-Dinitro-2-methylphenol^	6.3	NRO	160	NRO	pH Specific	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	Background Within MSA (Chicago)**	GP-1/2'	GP-2/8'	GP-2/16'	GP-3/6'	GP-4/4'	GP-5/4'	GP-6/4'
	Residential		*Construction Worker*										
	ingestion	inhalation	ingestion	inhalation									
						Sample dates	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016	1/12/2017
2,4-Dinitrophenol	160	NRO	410	NRO	3.3***	NRO	< 1.2	< 1.0	< 1.1	< 0.98	< 1.1	< 1.0	< 1.1
2,4-Dinitrotoluene	0.9	NRO	180	NRO	0.250***	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
2,6-Dinitrotoluene	0.9	NRO	180	NRO	0.260***	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Di-N-butyl phthalate	7,800	2,300	200,000	2,300	2,300	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Di-N-octyl phthalate	1,600	10,000	4,100	10,000	10,000	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Fluoranthene	3,100	NRO	82,000	NRO	21,000	2.7	0.27	< 0.041	< 0.044	< 0.039	0.14	0.056	< 0.044
Fluorene	3,100	NRO	82,000	NRO	2,800	0.1	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
Hexachlorobenzene	0.4	1	78	2.6	11	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Hexachlorobutadiene^	78	NRO	200	NRO	11	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Hexachlorocyclopentadiene	550	10	14,000	1.1	2,200	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Hexachloroethane	78	NRO	2,000	NRO	2.6	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	69	0.86	0.13	< 0.041	< 0.044	< 0.039	0.054	< 0.041	< 0.044
Isophorone	15,600	4,600	410,000	46,000	8	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Methylnaphthalene^	310	NRO	820	NRO	9.5	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Methylphenol (o-cresol)	3,900	NRO	100,000	NRO	15	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Methylphenol (p-cresol)^	7,800	100,000	4,100	3,300	3.9	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Naphthalene	1,600	170	4,100	1.8	18	0.04	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
2-Nitroaniline^	1200	18	31,000	1.5	0.7	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
3-Nitroaniline^	NRO	NRO	200	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Nitroaniline^	310	1500	2,000	52	0.14	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
4-Nitrophenol	NRO	NRO	NRO	NRO	pH Specific	NRO	< 0.47	< 0.41	< 0.44	< 0.39	< 0.42	< 0.41	< 0.44
Nitrobenzene	39	92	1,000	9.4	0.1	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
N-Nitrosodi-N-propylamine	0.09	NRO	18	NRO	0.0018***	NRO	< 0.047	< 0.041	< 0.044	< 0.039	< 0.042	< 0.041	< 0.044
n-Nitrosodimethylamine^	0.013	0.012	1.6	0.033	0.0000027***	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
N-Nitrosodiphenylamine	130	NRO	25,000	NRO	5.6	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2, 2'-oxybis(1-Chloropropane)	NRO	NRO	NRO	NRO	NRO	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Pentachlorophenol	3	NRO	520	NRO	0.14***	NRO	< 0.096	< 0.083	< 0.089	< 0.079	< 0.085	< 0.083	< 0.090
Phenanthrene	2,300	NRO	61,000	NRO	1,100	1.3	0.11	< 0.041	< 0.044	< 0.039	0.081	< 0.041	< 0.044
Phenol	23,000	NRO	61,000	NRO	100	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
Pyrene	2,300	NRO	61,000	NRO	21,000	1.9	0.27	< 0.041	< 0.044	< 0.039	0.13	0.063	< 0.044
Pyridine^	78	NRO	2,000	NRO	pH Specific	NRO	< 0.96	< 0.83	< 0.89	< 0.79	< 0.85	< 0.83	< 0.90
1,2,4-Trichlorobenzene	780	3,200	2,000	920	53	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4,5-Trichlorophenol	7,800	NRO	200,000	NRO	1,400	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23
2,4,6-Trichlorophenol	58	200	11,000	540	0.77	NRO	< 0.24	< 0.21	< 0.23	< 0.20	< 0.22	< 0.21	< 0.23

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-7/2'	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*								
	ingestion	inhalation	ingestion	inhalation							
						1/12/2017	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
Acenaphthene	4,700	NRO	120,000	NRO	2,900	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Acenaphthylene	2,300	NRO	61,000	NRO	420	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Aniline^	110	83	1,400	8.6	0.064	< 0.43	< 0.40	< 0.45	< 0.42	< 0.42	< 0.41
Anthracene	23,000	NRO	610,000	NRO	59,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(a)anthracene	0.9	NRO	170	NRO	8	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzidine^	0.003	0.009	0.54	0.02	0.000002***	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
Benzo(a)pyrene	0.09	NRO	17	NRO	82	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(b)fluoranthene	0.9	NRO	170	NRO	25	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(g,h,i)perylene	2,300	NRO	61,000	NRO	130,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(k)fluoranthene	9	NRO	1,700	NRO	250	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzoic acid	310,000	NRO	820,000	NRO	400	< 1.1	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
Benzyl alcohol^	7,800	NRO	61,000	NRO	3	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
bis(2-Chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.66***	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	31,000	< 1.1	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Butyl benzyl phthalate	16,000	930	410,000	930	930	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Carbazole	32	NRO	6,200	NRO	2.8	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chloroaniline	310	NRO	820	NRO	0.7	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
2-Chloronaphthalene^	6,300	NRO	41,000	NRO	240	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Chlorophenol	390	53,000	10,000	53,000	4	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Chrysene	88	NRO	17,000	NRO	800	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Dibenz(a,h)anthracene	0.09	NRO	17	NRO	7.6	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Dibenzofuran^	78	NRO	820	NRO	15	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,2-Dichlorobenzene	7,000	560	18,000	310	43	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,4-Dichlorobenzene	NRO	11,000	NRO	340	11	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
3,3-Dichlorobenzidine	1	NRO	280	NRO	1.3***	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4-Dichlorophenol	230	NRO	610	NRO	1	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4-Dimethylphenol	1,600	NRO	41,000	NRO	9	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Dimethyl phthalate^	NRO	NRO	20,000	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4,6-Dinitro-2-methylphenol^	6.3	NRO	160	NRO	pH Specific	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*				Soil Component of Class II GW Ingestion Route*	GP-7/2'	EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Construction Worker*								
	ingestion	inhalation	ingestion	inhalation							
						1/12/2017	9/14/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016
2,4-Dinitrophenol	160	NRO	410	NRO	3.3***	< 1.1	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
2,4-Dinitrotoluene	0.9	NRO	180	NRO	0.250***	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
2,6-Dinitrotoluene	0.9	NRO	180	NRO	0.260***	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Di-N-butyl phthalate	7,800	2,300	200,000	2,300	2,300	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Di-N-octyl phthalate	1,600	10,000	4,100	10,000	10,000	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Fluoranthene	3,100	NRO	82,000	NRO	21,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Fluorene	3,100	NRO	82,000	NRO	2,800	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Hexachlorobenzene	0.4	1	78	2.6	11	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachlorobutadiene^	78	NRO	200	NRO	11	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachlorocyclopentadiene	550	10	14,000	1.1	2,200	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachloroethane	78	NRO	2,000	NRO	2.6	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	69	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Isophorone	15,600	4,600	410,000	46,000	8	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Methylnaphthalene^	310	NRO	820	NRO	9.5	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Methylphenol (o-cresol)	3,900	NRO	100,000	NRO	15	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Methylphenol (p-cresol)^	7,800	100,000	4,100	3,300	3.9	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Naphthalene	1,600	170	4,100	1.8	18	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
2-Nitroaniline^	1200	18	31,000	1.5	0.7	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
3-Nitroaniline^	NRO	NRO	200	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Nitroaniline^	310	1500	2,000	52	0.14	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Nitrophenol	NRO	NRO	NRO	NRO	pH Specific	< 0.42	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
Nitrobenzene	39	92	1,000	9.4	0.1	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
N-Nitrosodi-N-propylamine	0.09	NRO	18	NRO	0.0018***	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
n-Nitrosodimethylamine^	0.013	0.012	1.6	0.033	0.0000027***	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
N-Nitrosodiphenylamine	130	NRO	25,000	NRO	5.6	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2, 2'-oxybis(1-Chloropropane)	NRO	NRO	NRO	NRO	NRO	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Pentachlorophenol	3	NRO	520	NRO	0.14***	< 0.086	< 0.081	< 0.090	< 0.085	< 0.085	< 0.083
Phenanthrene	2,300	NRO	61,000	NRO	1,100	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Phenol	23,000	NRO	61,000	NRO	100	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Pyrene	2,300	NRO	61,000	NRO	21,000	< 0.042	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Pyridine^	78	NRO	2,000	NRO	pH Specific	< 0.86	< 0.81	< 0.90	< 0.85	< 0.85	< 0.83
1,2,4-Trichlorobenzene	780	3,200	2,000	920	53	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4,5-Trichlorophenol	7,800	NRO	200,000	NRO	1,400	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4,6-Trichlorophenol	58	200	11,000	540	0.77	< 0.22	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

** 35 IAC Part 732 Appendix A, Table H

*** ADL is the remediation objective

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project:	**2235-2239 West Roscoe Street, Chicago, Illinois**
Project #:	**17460-0816**
Sampled:	**9/26/2016**
Laboratory:	**STAT Analysis Corporation, Chicago**

Table 3. Water VOC Analytical Results

Chemical Name	GROs Class II (mg/L)	MW-1	MW-2
Acetone	6.3	0.030	< 0.020
Benzene	0.025	< 0.0050	< 0.0050
Bromodichloromethane	0.0002	< 0.0050	< 0.0050
Bromoform	0.001	< 0.0050	< 0.0050
Bromomethane	0.049	< 0.010	< 0.010
2-Butanone (MEK)^	4.2	< 0.020	< 0.020
Carbon disulfide	3.5	< 0.010	< 0.010
Carbon tetrachloride	0.025	< 0.0050	< 0.0050
Chlorobenzene	0.5	< 0.0050	< 0.0050
Chloroethane	NRO	< 0.010	< 0.010
Chloroform	0.001	< 0.0050	< 0.0050
Chloromethane	NRO	< 0.010	< 0.010
Dibromochloromethane	0.14	< 0.0050	< 0.0050
1,1-Dichloroethane	3.5	< 0.0050	< 0.0050
1,2-Dichloroethane	0.025	< 0.0050	< 0.0050
1,1-Dichloroethene	0.035	< 0.0050	< 0.0050
cis-1,2-Dichloroethene	0.2	< 0.0050	< 0.0050
trans-1,2-Dichloroethene	0.5	< 0.0050	< 0.0050
1,2-Dichloropropane	0.025	< 0.0050	< 0.0050
cis-1,3-Dichloropropene	0.005	< 0.0010	< 0.0010
trans-1,3-Dichloropropene	0.005	< 0.0010	< 0.0010
Ethylbenzene	1.0	< 0.0050	< 0.0050

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs); 35 IAC 742, Appendix B, Table E

** ADL is the remediation objective

All results in parts per million (**mg/L**) unless noted otherwise

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit -October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/26/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 3. Water VOC Analytical Results (continued)

Chemical Name	GROs Class II (mg/L)	MW-1	MW-2
2-Hexanone	0.035	< 0.020	< 0.020
4-Methyl-2-Pentanone (MIBK)^	0.56	< 0.020	< 0.020
Methylene chloride	0.05	< 0.0050	< 0.0050
Methyl tert-butyl ether	0.07	< 0.0050	< 0.0050
Styrene	0.5	< 0.0050	< 0.0050
1,1,2,2-Tetrachloroethane^	0.0043	< 0.0050	< 0.0050
Tetrachloroethene	0.025	< 0.0050	< 0.0050
Toluene	2.5	< 0.0050	< 0.0050
1,1,1-Trichloroethane	1.0	< 0.0050	< 0.0050
1,1,2-Trichloroethane	0.05	< 0.0050	< 0.0050
Trichloroethene	0.025	< 0.0050	< 0.0050
Vinyl chloride	0.01	< 0.0020	< 0.0020
Xylenes, Total	10.0	< 0.015	< 0.015

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs); 35 IAC 742, Appendix B, Table E

** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit -October 30, 2012

Project: 2235-2239 W Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/26/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 4. Water SVOC Analytical Results

Chemical Name	GRO (mg/L)* Class II	MW-1	MW-2
Aniline^	0.023	< 0.0050	< 0.025
Benzidine^	0.00000037***	< 0.0050	< 0.025
Benzoic acid	28	< 0.025	< 0.12
Benzyl alcohol^	0.7	< 0.0050	< 0.025
Bis(2-chloroethoxy)methane	NRO	< 0.0050	< 0.025
Bis(2-chloroethyl)ether	0.01	< 0.0050	< 0.025
Bis(2-ethylhexyl)phthalate	0.06	< 0.0050	0.38
4-Bromophenyl phenyl ether	NRO	< 0.0050	< 0.025
Butyl benzyl phthalate	7.0	< 0.0050	< 0.025
Carbazole	NRO	< 0.00010	< 0.00050
4-Chloroaniline	0.028	< 0.0050	< 0.025
2,4-Dinitrotoluene	0.00002	< 0.00010	< 0.00050
4-Chloro-3-methylphenol	NRO	< 0.0050	< 0.025
2,6-Dinitrotoluene	0.00031***	< 0.00010	< 0.00050
2-Chloronaphthalene^	3	< 0.0050	< 0.025
2-Chlorophenol	0.035*	< 0.0050	< 0.025
N-Nitrosodi-n-propylamine	0.0018	< 0.00010	< 0.00050
4-Chlorophenyl phenyl ether	NRO	< 0.0050	< 0.025
Nitrobenzene	0.0035	< 0.0010	< 0.0050
Pentachlorophenol	0.005	< 0.00050	< 0.0025
Dibenzofuran^	0.035	< 0.0050	< 0.025
1,2-Dichlorobenzene	1.5	< 0.0050	< 0.025
1,3-Dichlorobenzene	NRO	< 0.0050	< 0.025
1,4-Dichlorobenzene	0.375	< 0.0050	< 0.025
3,3'-Dichlorobenzidine	0.1	< 0.010	< 0.050
2,4-Dichlorophenol	0.021	< 0.0050	< 0.025
Diethyl phthalate	5.6	< 0.0050	< 0.025
2,4-Dimethylphenol	0.14	< 0.025	< 0.12
Dimethyl phthalate	NRO	< 0.0050	< 0.025
4,6-Dinitro-2-methylphenol	NRO	< 0.025	< 0.12

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

*** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise.

NRO = No Remediation Objective

^–Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 31, 2012

Project: 2235-2239 Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/26/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 4. Water SVOC Analytical Results (continued)

Chemical Name	GRO (mg/L)* Class II	MW-1	MW-2
2,4-Dinitrophenol	0.014	< 0.025	< 0.12
Di-n-butyl phthalate	3.5	< 0.0050	< 0.025
Di-n-octyl phthalate	0.7	< 0.0050	< 0.025
Hexachlorobenzene	0.0003***	< 0.0050	< 0.025
Hexachlorobutadiene^	0.035	< 0.0050	< 0.025
Hexachlorocyclopentadiene	0.5	< 0.0050	< 0.025
Hexachloroethane	0.035	< 0.0050	< 0.025
Isophorone	1.4	< 0.0050	< 0.025
2-Methylnaphthalene^	0.14	< 0.0050	0.078
2-Methylphenol (o-cresol)	0.35	< 0.0050	< 0.025
4-Methylphenol (p-cresol)^	0.7	< 0.0050	< 0.025
2-Nitroaniline^	0.105	< 0.025	< 0.12
3-Nitroaniline	NRO	< 0.025	< 0.12
4-Nitroaniline^	0.028	< 0.025	< 0.12
2-Nitrophenol	NRO	< 0.0050	< 0.025
4-Nitrophenol	NRO	< 0.025	< 0.12
Nitrobenzene	0.0035	< 0.0010	< 0.0050
N-Nitrosodi-n-propylamine	0.0018	< 0.0050	< 0.025
N-Nitrosodimethylamine^	0.0006***	< 0.0050	< 0.025
N-Nitrosodiphenylamine	0.016	< 0.0050	< 0.025
2, 2'-oxybis(1-Chloropropane)	NRO	< 0.0050	< 0.025
Pentachlorophenol	0.005	< 0.0050	< 0.025
Phenol	0.1	< 0.0050	< 0.025
Pyridine^	0.007	< 0.0050	< 0.025
1,2,4-Trichlorobenzene	0.7	< 0.0050	< 0.025
2,4,5-Trichlorophenol	pH Specific	< 0.010	< 0.050
2,4,6-Trichlorophenol	pH Specific	< 0.0050	< 0.025

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

*** ADL is the remediation objective

All results in parts per million (mg/L) unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 31, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 5. Water PNA Analytical Results

Chemical Name	GRO (mg/L)* Class II	MW-1	MW-2	MW-2
Date Sampled		9/26/2016	9/26/2016	10/7/2016
Acenaphthene	2.1	< 0.0010	< 0.0050	0.0010
Acenaphthylene^	1.05	< 0.0010	< 0.0050	< 0.0010
Anthracene	10.5	< 0.0010	0.0054	< 0.0010
Benzo(a)anthracene	0.00065	< 0.00010	0.0034	0.00050
Benzo(a)pyrene	0.002	< 0.00010	0.0022	0.00038
Benzo(b)fluoranthene	0.0009	< 0.00010	0.0018	0.00036
Benzo(g,h,i)perylene^	1.05	< 0.0010	< 0.0050	< 0.0010
Benzo(k)fluoranthene	0.00085	< 0.00010	0.0017	0.00028
Chrysene	0.0075	< 0.00010	0.0030	0.00064
Dibenzo(a,h)anthracene	0.0015	< 0.00010	< 0.00050	< 0.00010
Fluoranthene	1.4	< 0.0010	0.011	0.0020
Fluorene	1.4	< 0.0010	< 0.0050	< 0.0010
Indeno(1,2,3-cd)pyrene	0.00215	< 0.00010	0.00050	0.00016
Naphthalene	0.22	< 0.0010	< 0.0050	< 0.0010
Phenanthrene^	1.05	< 0.0010	0.019	0.0036
Pyrene	1.05	< 0.0010	0.014	0.0026

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

All results in parts per million (mg/L) unless noted otherwise.

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 6. Soil Gas Analytical Results

Chemical Name	*Residential*			*Construction Worker Outdoor*	SG-1	SG-2	SG-3
	Outdoor	Indoor					
		Advection/ Diffusion	Diffusion only				
		Soil Gas	Soil Gas				
				Sample dates	9/14/2016	9/14/2016	1/17/2017
Compounds							
Acetone	750,000	750,000	750,000	750,000	< 0.23	0.40	0.81
Benzene	420	0.37	41	1,100	0.0048	< 0.024	0.0029
Bromodichloromethane	450,000	450,000	450000	450,000	< 0.0025	< 0.052	< 0.0024
Bromoform	1,800	11	1,800	4,900	< 0.010	< 0.21	< 0.0095
2-Butanone (MEK)	380,000	6,400	380,000	15,000	0.022	< 0.060	0.0097
Carbon disulfide	1,500,000	780	81,000	48,000	< 0.0012	< 0.025	0.0029
Carbon tetrachloride	290	0.21	24	770	< 0.0025	< 0.052	< 0.0024
Chlorobenzene	36,000	69	8,300	3,700	< 0.0017	< 0.036	< 0.0016
Chlorodibromomethane	57,000	57,000	57,000	150	< 0.0033	< 0.067	< 0.0031
Chloroform	110	0.11	12	290	< 0.0019	< 0.040	< 0.0018
1,2-Dibromoethane	2.90	0.01	1.10	7.9	< 0.0029	< 0.060	< 0.0027
1,2-Dichlorobenzene	1,000	290	11,000	6,700	< 0.0023	< 0.048	< 0.0022
1,4-Dichlorobenzene	8,400	1,200	8,400	6,400	< 0.0023	< 0.048	< 0.0022
Dichlorodifluoromethane	890,000	270	32,000	92,000	< 0.0019	< 0.040	0.0021
1,1-Dichloroethane	870,000	690	81,000	90,000	< 0.0015	< 0.032	< 0.0015
1,2-Dichloroethane	67	0.099	10	180	0.0044	< 0.032	< 0.0015
1,1-Dichloroethene	520,000	240	27,000	5,300	< 0.0015	< 0.032	< 0.0015
cis-1,2-Dichloroethylene	1,100,000	1,100,000	1,100,000	1,100,000	0.022	< 0.032	0.012
trans-1,2-Dichloroethylene	120,000	85	10,000	12,000	< 0.0015	< 0.032	< 0.0015
1,2-Dichloropropane	240	0.31	36	110	< 0.0017	< 0.036	< 0.0016
cis-1,3-Dichloropropene	1,900	0.9	0.14	1,400	< 0.0017	< 0.036	< 0.0016
trans 1,3-Dichloropropylene	1,900	0.9	110	1,400	< 0.0017	< 0.036	< 0.0016
1,4-Dioxane	16	0.22	2.9	42	< 0.0035	< 0.071	< 0.0033
Ethylbenzene	59,000	1.3	150	8,500	0.0033	0.050	0.016
Bromomethane	NRO	NRO	NRO	NRO	< 0.0036	< 0.075	< 0.0035
Methyl tert-butyl ether	1,200,000	3,700	420,000	23,000	< 0.0013	< 0.028	< 0.0013
Isopropyl Alcohol	NRO	NRO	NRO	NRO	0.29	0.14	0.31

* Illinois EPA Tier 1 Soil Gas Remediation Objectives (SGROs); 35 IAC 742, Appendix B, Tables G, H, I

Results in mg/m^3

NRO - No Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Laboratory: STAT Analysis Corporation, Chicago

Table 6. Soil Gas Analytical Results (continued)

Chemical Name	*Residential*			*Construction Worker Outdoor*	SG-1	SG-2	SG-3
	Outdoor	Indoor					
		Advection/ Diffusion	Diffusion only				
		Soil Gas	Soil Gas				
				Sample dates	9/14/2016	9/14/2016	1/17/2017
Compounds							
Methylene chloride	6,100	5.6	590	5,100	< 0.013	< 0.27	< 0.013
Naphthalene	560	0.11	14	5.8	0.0055	< 0.040	0.0030
Styrene	34,000	1,400	34,000	16,000	0.0028	< 0.036	0.0024
Tetrachloroethene	360	0.55	66	970	0.35	< 0.056	0.015
Toluene	140,000	6,200	140,000	50,000	0.0098	< 0.032	0.011
1,2,4-Trichlorobenzene	1,000	5.4	800	110	< 0.0029	< 0.060	< 0.0027
1,1,1-Trichloroethane	870,000	6,600	770,000	89,000	< 0.0021	< 0.044	< 0.0020
1,1,2-Trichloroethane	170,000	170,000	4,400	170,000	< 0.0021	< 0.044	< 0.0020
Trichloroethene	360	1.5	180	1,500	0.036	< 0.044	0.0029
Trichlorofluoromethane	2,100,000	860	97000	220,000	< 0.0021	< 0.044	< 0.0020
Vinyl Acetate	160,000	250	28,000	1,600	< 0.013	< 0.28	< 0.013
Vinyl chloride	780	0.29	30	3,000	< 0.00096	< 0.020	< 0.00091
o-xylene	41,000	120	14,000	2,600	0.0048	< 0.036	0.018
m,p-xylene	52,000	140	17,000	3,100	0.013	< 0.067	0.057
Xylenes (total)	49,000	140	17,000	2,900	0.018	< 0.10	0.075

* Illinois EPA Tier 1 Soil Gas Remediation Objectives (SGROs); 35 IAC 742, Appendix B, Tables G, H, I

Results in mg/m^3

NRO - No Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 1/17/2017
Laboratory: STAT Analysis Corporation, Chicago

Table 7. Soil Gas Analytical Results (Indoor Air Comparison)

Chemical Name	*Indoor Air Remediation Objectives* Residential	SG-3
Acetone	32	0.81
Benzene	0.00031	**0.0029**
Bromodichloromethane	0.000066	< 0.0024
Bromoform	0.0022	< 0.0095
2-Butanone	5.2	0.0097
Carbon disulfide	0.3	0.0029
Carbon tetrachloride	0.00041	< 0.0024
Chlorobenzene	0.052	< 0.0016
Dibromochloromethane	NRO	< 0.0031
Chloroform	0.00011	< 0.0018
1,2-Dibromoethane	0.0000041	< 0.0027
1,2-Dichlorobenzene	0.21	< 0.0022
1,4-Dichlorobenzene	0.00022	< 0.0022
Dichlorodifluoromethane	0.1	0.0021
1,1-Dichloroethane	0.52	< 0.0015
1,2-Dichloroethane	0.000094	< 0.0015
1,1-Dichloroethene	0.21	< 0.0015
cis-1,2-Dichloroethene	NRO	0.012
trans-1,2-Dichloroethene	0.063	< 0.0015
1,2-Dichloropropane	0.00024	< 0.0016
cis-1,3-Dichloropropene	0.00061	< 0.0016
trans-1,3-Dichloropropene	0.00061	< 0.0016
1,4-Dioxane	0.00032	< 0.0033
Ethylbenzene	0.00097	**0.016**
Bromomethane	NRO	< 0.0035
Methyl tert-butyl ether	3.1	< 0.0013

* Illinois EPA Tier 1 Indoor Air Remediation Objectives Calculated using J&E1 and J&E2

Results in mg/m^3 for air

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 Indoor Air Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 1/17/2017
Laboratory: STAT Analysis Corporation, Chicago

Table 7. Soil Gas Analytical Results (Indoor Air Comparison)

Chemical Name	*Indoor Air Remediation Objectives* Residential	SG-3
Methylene chloride	0.24	< 0.013
Naphthalene	0.000072	**0.0030**
Styrene	1	0.0024
Tetrachloroethene	0.0094	**0.015**
Toluene	5.2	0.011
1,2,4-Trichlorobenzene	0.0021	< 0.0027
1,1,1-Trichloroethane	5.2	< 0.0020
1,1,2-Trichloroethane	0.00021	< 0.0020
Trichloroethene	0.00059	**0.0029**
Trichlorofluoromethane	0.73	< 0.0020
Vinyl acetate	0.21	< 0.013
Vinyl chloride	0.00028	< 0.00091
o-Xylene	0.1	0.018
m,p-Xylene	0.1	0.057
Xylenes, Total	0.1	0.075

* Illinois EPA Tier 1 Indoor Air Remediation Objectives Calculated using J&E1 and J&E2

Results in mg/m^3 for air

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 Indoor Air Remediation Objective

APPENDIX 3

Soil Boring and Soil Vapor Logs

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 70-75°F
Boring #: GP-1/MW-1 Date: 09/14/16 Time: 1030 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
CLAY, Silty, Black Color, Moist	-2	GP-1/2'	2,874	Solvent
	-			
	-4		1,187	Solvent
Grades To Gray/Brown Mottled Color	-			
	-6		1,414	Solvent
	-			
	-8		75.0	Solvent
	-			
Grades to Brown Color	-10		23.5	None
	-			
	-12		9.9	None
Grades To Gray Color	-			
	-14		4.9	None
	-			
	-16		10.6	None
Total Depth: 16' Monitoring Well MW-1 set at 15' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet Snow Temp: 70-75°F
Boring #: GP-2/MW-2 Date: 09/14/16 Time: 1155 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
	-2		1,026	Solvent
CLAY, Silty, Black Color, Moist	-			
	-4		481	Solvent
Grades To Gray/Brown Mottled Color	-			
	-6		127	Solvent
	-			
	-8	GP-2/8'	1,234	Solvent
	-			
Grades to Brown Color	-10		924	Solvent
	-			
	-12		201	Solvent
Grades To Gray Color	-			
Low Recovery	-14		--	--
	-			
	-16	GP-2/16'	2,002	Solvent
Total Depth: 16' Monitoring Well MW-2 set at 15' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	- -18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 70-75°F
Boring #: GP-3 Date: 09/14/16 Time: 1215 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
CLAY, Silty, Black Color, Moist	-2		113	Solvent
	-			
	-4		271	Solvent
Grades To Gray/Brown Mottled Color	-			
	-6	GP-3/6'	998	Solvent
	-			
	-8		151	Solvent
	-			
Grades to Brown Color	-10		33.0	None
	-			
	-12		75.5	None
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet ____ Snow ____ Temp: 70-75°F
Boring #: GP-4 Date: 09/14/16 Time: 1230 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
	-2		2.8	None
CLAY, Silty, Black Color, Moist	-			
	-4	GP-4/4'	833	Solvent
Grades To Gray/Brown Mottled Color	-			
	-6		13.0	None
	-			
	-8		8.9	None
	-			
Grades to Brown Color	-10		4.7	None
	-			
	-12		3.4	None
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet Snow Temp: 70-75°F
Boring #: GP-5 Date: 09/14/16 Time: 1250 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
	-2		--	--
CLAY, Silty, Black Color, Moist	-			
	-4	GP-5/4'	337	Solvent
Grades To Gray/Brown Mottled Color	-			
	-6		163	Solvent
	-			
	-8		46.5	Solvent
	-			
Grades to Brown Color	-10		12.3	None
	-			
	-12		1.1	None
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816CO#1
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 30-35°F
Boring #: GP-6 Date: 01/12/2017 Time: 0820 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
	-2		1.6	None
CLAY, Silty, Gray Color, Dry	-			
Become Moist	-4	GP-6/4'	1.9	None
	-			
	-6		1.0	None
Total Depth: 6' Rig: Bosch® Hand Held Hammer Sampler Type: Clear plastic sleeves	-			
	-8			
	-			
	-10			
	-			
	-12			
	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816CO#1
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 30-35°F
Boring #: GP-7 Date: 01/12/2017 Time: 0840 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
	-2	GP-7/2'	1.5	None
CLAY, Silty, Gray Color, Dry	-			
Become Moist	-4		1.4	None
	-			
	-6		1.4	None
Total Depth: 6' Rig: Bosch® Hand Held Hammer Sampler Type: Clear plastic sleeves	-			
	-8			
	-			
	-10			
	-			
	-12			
	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 70-75°F
Boring #: EF Date: 09/14/2016 Time: 1015 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
	-2		281	Solvent
CLAY, Silty, Gray Brown Mottled Color, Moist	-			
Grades To Black Color	-4	EF-4'	1,143	Solvent
	-			
Grades To Gray Brown Mottled Color	-6		822	Solvent
	-			
	-8		16.7	Solvent
	-			
Grades to Brown Color	-10		6.2	None
	-			
	-12		4.6	None
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 70-75°F
Boring #: NB Date: 09/14/2016 Time: 1050 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	- -2			
Pea Gravel Fill Material	- -4			
CLAY, Silty, Gray Color, Moist	- -6 - -8			
Grades To Brown Color	- -10 - -12	NB-12'		
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	- -14 - -16 - -18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 70-75°F
Boring #: SF Date: 09/14/2016 Time: 1105 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete				
Gravel Fill Material	-			
	-2		--	--
Pea Gravel Fill Material	-			
	-4		628	Solvent
	-			
CLAY, Silty, Gray Color, Moist				
	-6	SF-2'	300	Solvent
	-			
	-8		28.1	Solvent
	-			
Grades To Brown Color				
	-10		51.5	None
	-			
	-12		6.2	None
Total Depth: 12'				
Rig: Truck Mounted GeoProbe®	-			
Sampler Type: Clear plastic sleeves				
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

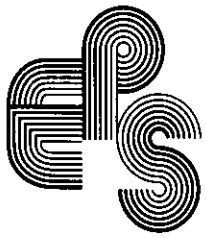
Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet____ Snow____ Temp: 70-75°F
Boring #: NF Date: 09/14/2016 Time: 1140 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	-			
CLAY, Silty, Black Color, Moist	-2	NF-2'	1227	Solvents
	-			
Grades To Gray Brown Mottled Color	-4		841	Solvents
	-			
	-6		24.3	Solvents
	-			
Grades to Brown Color	-8		9.2	Solvents
	-			
	-10		10.7	None
	-			
	-12		2.4	None
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-14			
	-			
	-16			
	-			
	-18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 2235-2239 West Roscoe Street, Chicago, Illinois Project #: 17460-0816
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet Snow Temp: 70-75°F
Boring #: WF Date: 09/14/2016 Time: 1130 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	- -2		--	--
Pea Gravel Fill Material	- -4		1024	Solvents
CLAY, Silty, Gray Black Mottled Color, Moist	- -6	WF-6'	572	Solvents
	- -8		9.2	Solvents
Total Depth: 8' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	- -10 - -12 - -14 - -16 - -18			



Address: 2235-2239 West Roscoe Street, Chicago, Illinois

Soil Vapor Sampling	
Date:	9/4/2016
Sampler:	JHB
Canister ID:	11655
Sample ID:	SG-1
Time boring installed (equilibrate for 30 min):	1000
Purge volume: (1 ft = 30.48 cm)	
(A) Length of tubing (cm): (calc. for 4')	121.92
(B) ID of tubing (cm):	0.476
Internal volume of tube (mL) = 3.14 x (A) x $(B/2)^2$:	22
Purge volume (mL) = 3 x Internal volume	65
Sampling:	
Initial pressure of Summa:	(-) 30mmHG
Time Summa opened:	1100
Final pressure of Summa:	(-) 5 mmHG
Time Summa closed:	1108

Conversions:

Tubing inner diameter

Inches	Centimeter
3/16"	0.476
1/4"	0.635
1/8"	0.3175

12" = 30.54 cm

*Let Summa run for 8 min. (regulator is set for 8 min to draw at 200 mL/min)

Address: 2235-2239 West Roscoe Street, Chicago, Illinois

Soil Vapor Sampling	
Date:	9/4/2016
Sampler:	JHB
Canister ID:	11025
Sample ID:	SG-2
Time boring installed (equilibrate for 30 min):	1100
Purge volume: (1 ft = 30.48 cm)	
(A) Length of tubing (cm): (calc. for 4')	121.92
(B) ID of tubing (cm):	0.476
Internal volume of tube (mL) = 3.14 x (A) x $(B/2)^2$:	22
Purge volume (mL) = 3 x Internal volume	65
Sampling:	
Initial pressure of Summa:	(-) 30 mmHg
Time Summa opened:	1130
Final pressure of Summa:	(-) 4 mmHg
Time Summa closed:	1138

Conversions:

Tubing inner diameter

Inches	Centimeter
3/16"	0.476
1/4"	0.635
1/8"	0.3175

12" = 30.54 cm

*Let Summa run for 8 min. (regulator is set for 8 min to draw at 200 mL/min)

Address: 2235-2239 West Roscoe Street, Chicago, Illinois

Soil Vapor Sampling	
Date:	1/12/2017
Sampler:	JHB
Canister ID:	11008
Sample ID:	SG-3
Time boring installed (equilibrate for 30 min):	805
Purge volume: (1 ft = 30.48 cm)	
(A) Length of tubing (cm): (calc. for 4')	121.92
(B) ID of tubing (cm):	0.476
Internal volume of tube (mL) = 3.14 x (A) x $(B/2)^2$:	22
Purge volume (mL) = 3 x Internal volume	65
Sampling:	
Initial pressure of Summa:	(-) 27 Hgmm
Time Summa opened:	847
Final pressure of Summa:	(-) 5 Hgmm
Time Summa closed:	855

Conversions:

Tubing inner diameter

Inches	Centimeter
3/16"	0.476
1/4"	0.635
1/8"	0.3175

12" = 30.54 cm

*Let Summa run for 8 min. (regulator is set for 8 min to draw at 200 mL/min)

APPENDIX 4

Photographic Documentation of the Building Control Technology

Right and Below:

Views of EMOCOTE Sealant
on Limestone Walls in Basement
of 2235 Site Building

EPS Environmental Services, Inc.

Project #: 17460-0816CO#1

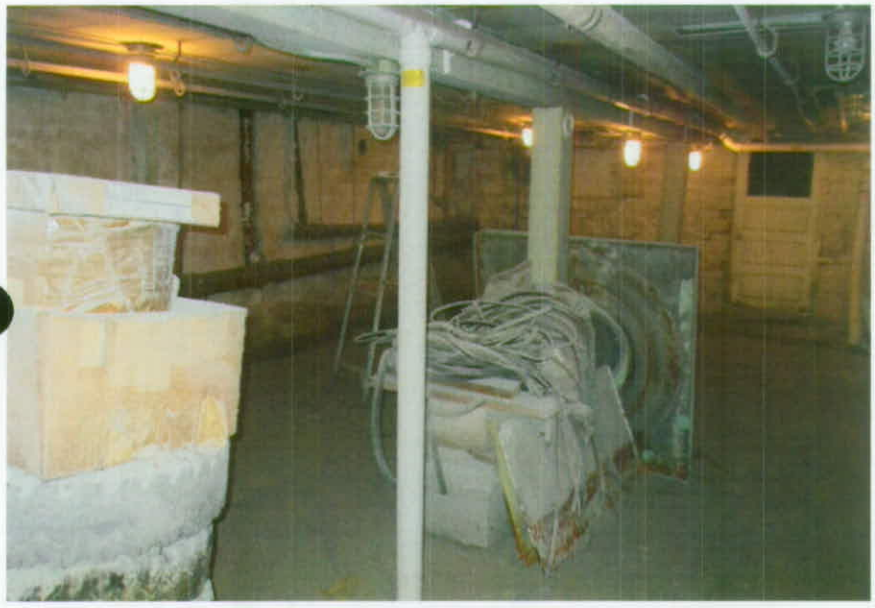
2235-2239 West Roscoe Street
Chicago, Illinois

Right: View of EMOCOTE
Sealant on Limestone Walls
in Basement of 2235 Site Building

Right and Below:

Views of Suction Pits in Basement

Below: View of One Suction Pit Protruding from the Basement Floor.



EPS Environmental Services, Inc.

Project #: 17460-0816CO#1

2235-2239 West Roscoe Street
Chicago, Illinois

Right: View of One Suction Pit in Basement

Right: View of SSD
System Manometer

Below: View of SSD Exhaust Piping
Extruding from the Basement

EPS Environmental Services, Inc.

Project #: 17460-0816CO#1

2235-2239 West Roscoe Street
Chicago, Illinois

Right: View of Exhaust Piping

APPENDIX 5

Legal Description and PINs

LEGAL DESCRIPTION

2235-2239 West Roscoe Street, Chicago, Illinois

LOTS 2 AND 3 IN BLOCK 11 IN C.T. YERKE'S SUBDIVISION OF BLOCKS 33 TO 36 INCLUSIVE AND BLOCKS 41 TO 44 INCLUSIVE, ALL IN SUBDIVISION OF SECTION 19, TOWNSHIP 40 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, EXCEPT THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER AND THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER AND THE EAST HALF OF THE SOUTHEAST QUARTER THEREOF, IN COOK COUNTY, ILLINOIS.

Parcel Identification Numbers: 14-19-318-008-0000
14-19-318-009-0000