# BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

EMCO CHEMICAL DISTRIBUTORS, INC.,	)	
Petitioner,	)	
	)	
v.	)	PCB 2023-016
4	j	(LUST Appeal)
ILLINOIS ENVIRONMENTAL	j	
PROTECTION AGENCY,	<u>.</u> j	
Respondent.	Ú	

#### NOTICE

Don Brown, Clerk Illinois Pollution Control Board James R. Thompson Center 100 West Randolph, Suite 11-500 Chicago, IL 60601 don.brown@illinois.gov Carol Webb, Hearing Officer Illinois Pollution Control Board 1021 North Grand Avenue East P.O. Box 19274 Springfield, IL 62794-9274 carol.webb@illinois.gov

Ryan R. Kemper, Esq.
Timothy B. Briscoe, Esq.
Thompson Coburn LLP
One US Bank Plaza
St. Louis, Missouri 63101
rkemper@thompsoncoburn.com
tbriscoe@thompsoncoburn.com

PLEASE TAKE NOTICE that I have today filed with the office of the Clerk of the Pollution Control Board an APPEARANCE, the ADMINISTRATIVE RECORD and a CERTIFICATE OF RECORD ON APPEAL, copies of which are herewith served upon you.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,

Respondent

Melanie A. Jarvis

Melanick

Deputy Chief Counsel - Division of Legal Counsel

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

217/782-5544

866/273-5488 (TDD)

Dated: October 26, 2022

# **BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS**

EMCO CHEMICAL DISTRIBUTORS, INC., Petitioner,	)	
v.	)	PCB 2023-016 (LUST Appeal)
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,	)	(BOST Hypeur)
Respondent.	í	

#### **APPEARANCE**

The undersigned, as one of its attorneys, hereby enters her Appearance on behalf of the Respondent, the Illinois Environmental Protection Agency.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, Respondent

Melanie A. Jarvis

Deputy Chief Counsel - Division of Legal Counsel

Special Assistant Attorney General

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

217/782-5544

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melanie.jarvis@illinois.gov

Dated: October 26, 2022

# BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

EMCO CHEMICAL DISTRIBUTORS, INC.,	)	
Petitioner,	)	
	)	
V.	)	PCB 2023-016
	)	(LUST Appeal)
ILLINOIS ENVIRONMENTAL	)	
PROTECTION AGENCY,	)	
Respondent.	j	

#### **CERTIFICATE OF RECORD ON APPEAL**

Pursuant to 35 Ill. Adm. Code 105.116(b) and 105.410, the following constitutes an index of documents comprising the record:

PAGES	DOCUMENT(S)	DATE
AR0001-AR0002	Hazardous Materials Report	March 24, 2022
AR0003	IEPA Notification of Release	March 25, 2022
AR0004-AR0006	20-day Certification	March 30, 2022
AR0007-AR0160	45-day report/CACR	April 21, 2022
AR0161-AR0181	IEPA Reviewer Notes	May 11, 2022
AR0182-AR0185	IEPA Acceptance of 45-day report	June 16, 2022
AR0186-AR0200	IEPA Rejection of CACR	June 16, 2022

I, Nathan Fox, certify on information and belief that the entire record of the Respondent's decision, as defined in 35 Ill. Adm. Code 105.410(b), is hereby enclosed.

By: Nuther Tox

Nathan Fox

Leaking Underground Storage Tank Section Illinois Environmental Protection Agency

Date: 10/27/22

This filing submitted on recycled paper.

#### **CERTIFICATE OF SERVICE**

I, the undersigned attorney at law, hereby certify that on **October 11, 2022**, I served true and correct copies of an **APPEARANCE**, the **ADMINISTRATIVE RECORD** and a **CERTIFICATE OF RECORD ON APPEAL**, via the Board's COOL system and email, upon the following named persons:

Don Brown, Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
don.brown@illinois.gov

Carol Webb, Hearing Officer Illinois Pollution Control Board 1021 North Grand Avenue East P.O. Box 19274. Springfield, IL 62794-9274 carol.webb@illinois.gov

Ryan R. Kemper, Esq.
Timothy B. Briscoe, Esq.
Thompson Coburn LLP
One US Bank Plaza
St. Louis, Missouri 63101
rkemper@thompsoncoburn.com
tbriscoe@thompsoncoburn.com

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, Respondent

Melanie A. Jarvis

Deputy Chief Counsel - Division of Legal Counsel

Special Assistant Attorney General

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

217/782-5544

866/273-5488 (TDD)

melanie.jarvis@illinois.gov



#### Hazardous Materials Incident Electronic Filing: Received, Clerk's Office 10/27/2022 Report

0971255169

EMCO Chemica Distributors Inc



Incident #: H-2022-0253

Entered By: Rhoades, Walter (IEMA) on 2022-03-24 13:09:38

**Data Input Status: Closed** 

Leaking Underground Yes Storage Tank (LUST):

Used PFAS Chemicals (Firefighting Foam) for Fire No

Suppression:

Leaking UST Tech File

Caller:	Nick Cuzzone	Nick Cuzzone			
Call Back #:	773/792-3090				
Caller Represents:	EPS Environmental Services				
Hazmat Incident Type:	Leak or spill				
	INCIDENT	LOCATION			
Incident Location:	2525 Greenfield Ln		60064		
County:	Lake 60064	City:	North Chicago		
Primary IEMA Region:	4	Secondary IEMA Region:	Not Applicable		
Full Address:	2525 Greenfield Ln, North Chica	go, IL			
Latitude:	42.314257 42.3144	Longitude:	-87.848142 -87.8480		
Milepost:	N/A	Sec:	N/A		
Twp.:	N/A	Range:	N/A		
Area Involved:	Fixed Facility				
Media or medium into which the release occurred:	Ground				

WEATHER INFORMATION				
Temp (deg F):	40	Wind Dir/Speed m.p.h:	Unknown	

MATERIALS INVOLVED					
Material Name:	Fuel Oil	Material Type:	Liquid		
CHRIS Code:	Unknown	CAS#:	Unknown		
UN/NA #:	Unknown	IEDA Divi	sion of Records Management		
ls this a 302(a) Extremely Hazardous Substance?	No	ILTA-DIVI	Releasable		
Is this a RCRA Hazardous Waste?	No		MAY 0 2 2022		
Is this a RCRA regulated facility?	No		Reviewer KAP		
Container Type:	Underground	Container Size:	3 x 13,000 Gallon		
Amount Released:	Unknown	Rate of Release/min:	Unknown		
Duration of Release:	Unknown				
Cause of Release:	Overfills				
Estimated Spill Extent:	Unknown	Spill Extent Units:	AR000001		

Date/Time Occured:	(Date/Time	Unknown)					
Date/Time Discovered:	lectronic Filing: Received,			<del>, Clerk's Office 10/27/20</del>	22		
Number Injured:	None		Where Taken:				
Number Killed:	None			# Evacuated:	NOne		
On Scene Contact:	BJ Korman	····		On Scene Phone #:	847/421-9256		
Proper safety precautions to take None	as a result of (	the release, in	cluding	g evacuation:			
Assistance needed from State Ag None	gencies:						
Containment/Cleanup actions and Being Removed and Contracted							
Responsible Party:	Lake County	Industrial Wa	rehous	elno EMCO Chemico	al Distributors, Inc.		
Contact Person:	BJ Korman						
Callback Phone Number:	847/421-9256	5					
Facility Manager:	BJ Korman						
Facility Manager Phone #:	847/421-9256	5					
Street Address:	8601 95th St						
City:	City: Pleasant Prairie State: WI Zip Code: 53158						
Emergency Units Contacted	Contacted	On Scene	<u> </u>	Agencies Coi	ntacted		
ESDA		-	NOne				
Fire			None				
Police			None				
Sheriff			None		·		
Other	1	<b>√</b>	OSFM	1			
	A	GENCIES (	OR PE	RSONS NOTIFIED			
Agency	·	ate/Time		Name of Person	Notification Action		
IEPA, NRTP, OSFM, LEPC		-03-24 13:09		Emailed	Report Sent		
IEMA Region 4		-03-24 13:09		Emailed	Report Sent		
	<u> </u>						
Narrative:							
Follow-Up Information:							
•				···			
Attachments:				<del>-</del>			
		•					



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JOHN J. KIM, DIRECTOR

(217) 524-3300

March 25, 2022

EMCO Chemical Distibutors, Inc. Attn: BJ Korman 8601 95th Street

Pleasant Prairie, WI 53158

Re: 0971255169 -- Lake County

North Chicago/EMCO Chemical Distibutors, Inc.

2525 Greenfield Lane

Leaking UST Incident 20220253 Leaking UST Technical File

Dear UST Owner or Operator:

The Illinois Environmental Protection Agency (Illinois EPA) received notification from the Illinois Emergency Management Agency that a release from an underground storage tank system(s) has occurred at the above-referenced site. As a result of this release, the owner or operator of the underground storage tank(s) is required to comply with the Leaking Underground Storage Tank (Leaking UST) Program requirements, including the submittal of applicable documentation on forms prescribed and provided by the Illinois EPA.

To obtain copies of the forms, as well as additional information regarding the Illinois EPA's Leaking UST Program, please visit our Web page at https://www2.illinois.gov/epa/topics/cleanup-programs/lust/Pages/default.aspx.

- 1. The direct link to the technical forms page is <a href="https://www2.illinois.gov/epa/topics/cleanup-programs/lust/technical-forms/Pages/default.aspx">https://www2.illinois.gov/epa/topics/cleanup-programs/lust/technical-forms/Pages/default.aspx</a>.
- 2. If you intend to seek reimbursement from the Illinois Underground Storage Tank Fund for costs incurred, the direct link to the budget and reimbursement forms page is:

  <a href="https://www2.illinois.gov/epa/topics/cleanup-programs/lust/budget-and-billing-forms/Pages/default.aspx">https://www2.illinois.gov/epa/topics/cleanup-programs/lust/budget-and-billing-forms/Pages/default.aspx</a>.

If you do not have access to the Internet and/or have questions about the Leaking UST Program requirements, please contact the Leaking UST project manager on call at (217) 524-3300.

Sincerely,

Ind. Zillux Ralmon\_

Mohammed Z. Rahman, Manager Leaking Underground Storage Tank Section Bureau of Land

c: BOL File

2125 S. First Street, Champaign, IL 61820 (217) 278-5800 2009 Mall Street Collinsville, IL 62234 (618) 346-5120 9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000 595 S. State Street, Elgin, IL 60123 (847) 608-3131 2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200 412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022 4302 N. Main Street, Rockford, IL 61103 (815) 987-7760



### environmental services, inc.

0971255169 – Lake County EMCO Chemical Distributors, Inc. Incident # 20220253 Leaking UST Technical File

March 30, 2022

Illinois Environmental Protection Agency Division of Land Pollution Control Leaking Underground Storage Tank Section State Sites Unit 1021 North Grand Avenue East Springfield, Illinois 62794-9276

Location:

EMCO Chemical Distributors, Inc.

2525 Greenfield Lane North Chicago, Illinois

LUST Incident No. 20220253

LUST Technical File

Dear Project Manager:

Enclosed is the 20-Day Certification for leaking underground storage tank (LUST) incident #20220253 recorded to the above referenced location.

If you have any questions regarding this matter, please contact me at your convenience.

Sincerely,

Senior Project Engineer

EPS Environmental Services, Inc.

enclosure

RECEIVED

APR 0-1 2022

**IEPA/BOL** 

ISPA-DIVISION OF RECORDS MANAGEMENT RELEASABLE

MAY 0 5 2022

**REVIEWER: SAB** 



# Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Illinois EPA is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). 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) and 57.17). This form has been approved by the Forms Management Center.

# Leaking Underground Storage Tank Program 20-Day Certification

Α.	Sita	lden	tifi	ratio	'n
Α.	SILE	IUEII	ш	Lauu	"

IEMA Incident # (6- or 8-digit):	20220253	IEPA LPC # (1,0-di	git): 0971255169
Site Name: EMCO Chemical D	Distributors, Inc.		
Site Address (not a P.O. Box):	2525 Greenfield Lane		
City: North Chicago	County: Lake	Zip Code:	60064

#### B. Initial Abatement

- 1. I am/we are the owner and/or 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 into the environment has been removed;
- 3. Any aboveground releases or exposed below ground releases have been visually inspected;
- 4. Further migration of the released substance into surrounding soils and groundwater has been prevented;
- 5. Monitoring and mitigation of any fire and safety hazards posed by vapors or free product that has 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 remedies included treatment or disposal of soils, the owner or operator has complied with 35 III. Adm. Code 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. In selecting sample types, sample location 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; and
- 9. An investigation to determine the possible presence of free product has been conducted and, if applicable, free product removal is being conducted in accordance with 35 III Adm Code 731.164 or 734.215.

#### C. **Land Trust**

If the release involves one or more USTs that are the subject of a land trust, check here, proceed with completion of Section D, then complete and return the Land Trust Beneficial Interest Disclosure. If a land trust is involved, this and all documents requiring owner or operator signature must be signed by a beneficiary of the land trust with sufficient beneficial interest to meet the definition of "owner" or "operator" as defined by 35 III. Adm. Code 734 or 731.

If a land trust is not involved proceed with completion of Section D below.

#### D.

in a land trast is not involved, proceed with completion o	
Signatures	
All plans, budgets, and reports must be signed by the or name, address, and telephone number.	wner or operator and list the owner's or operator's full
UST Owner or Operator	Consultant
Name: Lake County Industrial Warehouse	Company: EPS Environmental Services, Inc.
Contact: BJ Korman	Contact: Nicholas J. Cuzzone, P.E.
Address: 8601 95th Street	Address: 7237 West Devon Avenue
City: Pleasant Prairie	City: Chicago
State: IL	State: Illinois
Zip Code: <u>53158</u>	Zip Code: 60631
Phone: (847) 421-9256	E-mail: ncuzzone@epsenv.com
Signature: Bl. Junn	Phone: (773) 792-3090
Date: 3-29-22	Signature: Mulliple Supple
	Date: 3/30/2000
I certify under penalty of law that all activities that are the sub- were conducted under the supervision of another Licensed Pr reviewed by me; that this report and all attachments were pre and belief, the work described in this report has been complet ILCS 5], 35 III. Adm. Code 734, and generally accepted stand presented is accurate and complete. I am aware there are sig- representations to the Illinois EPA, including but not limited to 57.17 of the Environmental Protection Act [415 ILCS 5/44 and Licensed Professional Engineer or Geologist	rofessional Engineer or Licensed Professional Geologist and pared under my supervision; that, to the best of my knowledge ted in accordance with the Environmental Protection Act [415] lards and practices of my profession; and that the information gnificant penalties for submitting false statements or fines, imprisonment, or both as provided in Sections 44 and
Name: Nicholas J. Cuzzone, P.E.	·
Company: EPS Environmental Services, Inc.	
Address: 7237 West Devon Avenue	<u> </u>
City: Chicago	State: Zip Code: 60631 PC FU
Phone: (773) 792-3090	
III. Registration No.: 062-050060	L.P.E. or L.P.G. Seal APR 0 1 2022
License Expiration Date: November 30, 2023	INPROFESSION PA/ROL
Signature: Milloln Control	
Date: 3/30/2002 00	W NICHOLAS J. CUZZONE
•	1 062-050060 カラ
20-usy Certi	fication Page of 2

AR000006



#### environmental services, inc.

April 21, 2022

Illinois Environmental Protection Agency Division of Land Pollution Control Leaking Underground Storage Tank Section State Sites Unit 1021 North Grand Avenue East Springfield, Illinois 62794-9276

Re: LPC #: 0971255169/Lake County

Emco Chemical Distributors, Inc.

2525 Greenfield Lane North Chicago, Illinois

LUST Incident No. 20220253

LUST Technical File

#### Dear Project Manager:

Enclosed is a 45-Day/Corrective Action Completion Report (CACR) for the above referenced Site. A release of heating oil from two (2) 10,000-gallon and one (1) 12,000-gallon underground storage tanks (USTs) was reported to the Illinois Emergency Management Agency (IEMA) on March 24, 2022 during removal of the USTs. Emco Chemical Distributors, Inc., current owner of the Site, retained EPS Environmental Services Inc. (EPS Environmental) to oversee the removal of the USTs, conduct soil remediation and sampling in the area of the removed USTs and submit this CACR.

Based on soil sample analytical results, no concentrations of contaminants associated with heating oil remain on-Site above Tier 1 soil remediation objectives (SROs) for residential land use and Class I Groundwater as listed in 35 Illinois Administrative Code Part 742, titled *Tiered Approach to Corrective Action Objectives* (TACO). Emco Chemical Distributors, Inc. is requesting a No Further Remediation letter from the Illinois Environmental Protection Agency (IEPA) for leaking underground storage tank (LUST) incident #:20220253.

Your attention to this matter is greatly appreciated. Should you have any questions, or need additional information, please feel free to me at your convenience.

Sincerely,

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

Enclosure: 45-Day/Corrective Action Completion Report



### Illinois Environmental Protection Agency

#### LEAKING UNDERGROUND STORAGE TANK PROGRAM

### 45-Day/Corrective Action Completion Report

Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

IEMA #: 20220253

Prepared For:

Emco Chemical Distributors, Inc. 8601 95th Street Pleasant Prairie, Wisconsin 53158

Prepared By:

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

April 21, 2022



# Electronic Filing: Received, Clerk's Office 10/27/2022 Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 -57.19). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false, fictitious, or fraudulent material statement or representation, orally or in writing, to the Agency, or to a unit of local government to which the Agency has delegated authority under subsection (r) of Section 4 of this Act, related to or required by this Act, a regulation adopted under this Act, any federal law or regulation for which the Agency has responsibility, or any permit, term, or condition thereof, commits a Class 4 felony, and each such statement or writing shall be considered a separate Class 4 felony. A person who, after being cοπνίcted under paragraph 415 ILCS 5/44 (h)(8), violates paragraph 415 ILCS 5/44 (h)(8) a second or subsequent time, commits a Class 3 felony. (415 ILCS 5/44). This form has been approved by the Forms Management Center.

-	ion				
IEMA Incident #:	20220253	(E	PA LPC# (10-digit): 09712	55169	
	O Chemical Distributors, I				
Site Address (No City: North Chica	t a P.O. Box): <u>2525 Greer</u>	County: Lake	Zin Ca	ode: 60064	
Oity. North Office	<u>go</u>	County. Lake	Zp 00	oc. <u>00004</u>	
Release InformusT	nation ————————————————————————————————————	Release	Type of Release	Product	Tank Status
Volume (gallons)	in UST	Yes / No	Tank Leak / Overfill / Piping Leak	Removed? Yes / No	Repaired / Removed / Abandoned / In Use
10,000	Heating Oil	Yes	Overfill	Yes	Removed
10,000	Heating Oil	Yes	Overfill	Yes	Removed
12,000	Heating Oil	Yes	Overfill	Yes	Removed
Early Action  1. Does this re	port demonstrate that th	ne most stringen	t Tier 1 remediation objec	ctives have be	en met? 🗸 Yes 📋
If <b>yes</b> , the o		ucted for more t	roduct Removal Report (f han 45 days, a Free Prod (form LPC 504).		☐ Yes ✓
Pian (and b			free product or contamin	ation to a	☐ Yes ☑

IL 532 2277 45-Day Report LPC 503 Rev. Dec 2018

45-Day Report Page 1 of 4

	5. What was the volume of native soil excavated? 90 Yards <sup>3</sup>
	6. Was groundwater encountered at the site? ☐ Yes ✓ No
	7. Did the groundwater exhibit a sheen?
D. \$	Site/Release Information
	Provide the following:
	Data on the nature and estimated quantity of release;     Data from available sources or site investigations concerning the following factors:
	<ul> <li>a. Surrounding populations;</li> <li>b. Water quality;</li> <li>c. Use and approximate locations of wells potentially affected by the release;</li> <li>d. Subsurface soil conditions;</li> <li>e. Location of subsurface sewers;</li> <li>f. Climatological conditions; and</li> <li>g. Land use;</li> </ul>
	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;
	<ol><li>A discussion of the action taken to monitor and mitigate fire and safety hazards posed by vapors or free product that has migrated from the UST excavation zone and entered subsurface structures; and</li></ol>
	7. Any other information collected while performing initial abatement measures pursuant to 35 III. Adm. Code 731.162 or 734.210(b).
E. (	Other Information
	Provide the following:
	1. An area map showing the site in relation to surrounding properties;
	2. A cross section, to scale, showing the UST(s) and the excavation;
	3. Analytical/screening results in tabular format including the results of soil samples required pursuant to 35 Ill. Adm. Code 734.210(h) and the most stringent Tier 1 remediation objectives;
	4. Site map meeting the requirements of 35 III. Adm. Code 734.440 and including sample locations;
	5. Soil boring logs;
	6. Chain of custody forms;
	7. Laboratory analytical reports;
	8. Laboratory certifications;
	9. A copy of the Office of the State Fire Marshal Permit for Removal, Abandonment-in-Place, or other OSFM permits on notifications;

45-Day Report Page 2 of 4

- A narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed of;
- 11. Photographs of UST removal activities and the excavation; and
- 12. Copies of manifests for soil and groundwater transported off-site.

#### F. Early Action Tier 1 Remediation Objectives Compliance Report

If the most stringent Tier 1 remediation objectives of 35 III. Adm. Code 742 for the applicable indicator contaminants have been met and a groundwater investigation is not required, in addition to the information provided above, provide the following:

- 1. Site characterization;
- 2. If water was encountered in the excavation, provide a demonstration pursuant to 35 III. Adm. Code 734.210(h)(4)(C) that it is not representative of actual groundwater; and
- 3. Property Owner Summary (form LPC 568).

#### G. Signatures

#### **UST Owner or Operator Signature:**

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator and Licensed Professional Engineer or Licensed Professional Geologist Certification of Stage 1 Site Investigation Plan and Budget (applies to Part 734 sites continuing beyond early action):

Pursuant to 35 III. Adm. Code 734.315(b) and 734.310(b), I certify that the Stage 1 site investigation will be conducted in accordance with 35 III. Adm. Code 734.315 and that the costs of the Stage 1 site investigation will not exceed the amounts set forth in 35 III. Adm. Code 734.Subpart H, Appendix D, and Appendix E. This certification is intended to meet the requirements for a plan and budget for the Stage 1 site investigation required to be submitted pursuant to 35 III. Adm. Code 734.315 and 734.310.

Continue onto next page

#### Licensed Professional Engineer or Licensed Professional Geologist Certification:

I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 III. Adm. Code 731, 732, or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 of the Environmental Protection Act [415 ILCS 5/44].

UST Owner or Operator	Consultant
Name Emco Chemical Distributors, Inc.	Company EPS Environmental Services, Inc.
Contact BJ Korman	Contact Nicholas J. Cuzzone, P.E.
Address 8601 95th Street	Address 7237 West Devon Avenue
City Pleasant Prairie	City Chicago
State Wisconsin	State Illinois
Zip Code 53158	Zip Code 60631
Phone (847) 421-9256	Phone (773) 792-3090
E-mail: bjkorman@emcochem.com	E-mail: ncuzzone@epsenv.com
Signature of Imm	Signature While Change
Date 4-20-22	Date 4/20/2022

#### Licensed Professional Engineer or Geologist

Name Nicholas J. Cuzzone, P.E.

Company EPS Environmental Services, Inc.

Address 7237 West Devon Avenue

City Chicago

State Illinois

Zip Code 60631

Phone (773) 792-3090

Ill. Registration No. 062-050060

License Expiration Date November 30, 2023

Signature Human Date

Date

L.P.E. or L.P.G. Seal





# Illinois Environmental Protection Agency

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

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Fallure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

#### Leaking Underground Storage Tank Program Heating Oil Underground Storage Tank Election

(This form applies to releases subject to 415 ILCS 5/57 et seq.)

	Site Identification										
	IEMA Incident#	(6- or 8-digit): 1	20220253	IEPA LPC# (10-digit): 0971255169							
	Site Name: EM0	CO Chemical D	istributors, Inc.								
	Site Address (No	ot a P.O. Box):									
	City: North Chicago County: Lake ZIP Code: 60064										
	Office of the Stat	te Fire Marshal	Facility ID # (7-digit): 20	047356							
В.	Election										
	Pursuant to Section 57.1(b) of the Environmental Protection Act, an owner or operator of a heating oil tank as defined by Title XVI of the Act may elect to perform tank removal, abandonment or repair, site investigation, or corrective action unless the provisions of Section 57.5(g) are applicable. This form should be used as an official notification to the Illinois EPA of whether or not you elect to proceed in accordance with the Leaking UST Program regulations with respect to the heating oil tank release identified above. Please be advised that this election shall be deemed effective upon receipt by the Illinois EPA and may not be withdrawn once it is made.										
	Please check on	e:									
				Protection Act, I elect to proceed in accordance with the other transfer oil tank release identified above.							
		lease identified		aking UST Program requirements with respect to the heating f Section 57.5(g) of the Act are not applicable to the heating							
	NOTE: If your pre-1974 UST contains heating oil, this form must be completed and submitted. Submittal of the Pre- 1974 UST Notification is not required.										
C.	Signatures										
	<b>UST Owner</b>			UST Operator (if different than UST Owner)							
	Сотралу Етс	o Chemical Dis	stributors, Inc.	Сотрапу							
	Contact BJ Kor	rman		Contact							
	Address 8601 9			Address							
	State Wisconsin			City							
				State							
	Zip Code <u>5315</u>			Zip Code							
	Phone (847) 47	· · · · · · · · · · · · · · · · · · ·		Phone							
	Signature	5 1 m	77	Signature							
	Date		4-20-22	Date							



# Electronic Filing: Received, Clerk's Office 10/27/2022 Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.19). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false, fictitious, or fraudulent material statement or representation, orally or in writing, to the Agency, or to a unit of local government to which the Agency has delegated authority under subsection (r) of Section 4 of this Act, related to or required by this Act, a regulation adopted under this Act, any federal law or regulation for which the Agency has responsibility, or any permit, term, or condition thereof, commits a Class 4 felony, and each such statement or writing shall be considered a separate Class 4 felony. A person who, after being convicted under paragraph 415 ILCS 5/44 (h)(8), violates paragraph 415 ILCS 5/44 (h)(8) a second or subsequent time, commits a Class 3 felony. (415 ILCS 5/44). This form has been approved by the Forms Management Center.

# Leaking Underground Storage Tank Program Property Owner Summary

A.	Site	e Identification									
	IEN	1A Incident # (6- or 8-digit): 20220253	IEPA LPC# (10-digit): 0971255169								
	Site	Name: EMCO Chemical Distributors, Inc.									
	Site	Address (not a P.O. Box): 2525 Greenfield Lane									
	City	North Chicago County: Lake	Zip Code: 60064								
	Lea	king UST Technical File									
	Engineered barriers, institutional controls, and other use restrictions, if any, proposed for this site may not be implemented without approval by the title holder(s) of record for the above-named property or the agent(s) of such person(s). These controls and restrictions will be identified in the No Further Remediation (NFR) Letter, which must be recorded in the chain of title for the property. Failure to maintain these controls is grounds for voidance of the NFR Letter.										
В.		ventive, Engineering, and Institutional Controls and Land									
		Industrial/commercial land use limitation;									
		On-site groundwater restriction prohibiting the use of groun water supply;	dwater beneath the site as a potable								
		An engineered barrier:   Building,   asphalt/concr	ete, or Other:								
		(description)									
		Concrete Base with no Sumps;									
		Building Control Technology:   Existing   Future									
		Groundwater ordinance:	t a MOU;								
		Construction worker caution notification;									
		Maintain a clean soil barrier (indoor inhalation):									
		Other:									
	<b>✓</b>	None (There are no proposed institutional controls other that	an the NFR Letter.).								

Property Ownership Declaration
Report Title: 45-Day/Corrective Action Completion Report
Report Date: 4/32/2022
I hereby affirm that I have reviewed the attached report entitled 45-Day/Corrective Action Completion Report and dated, and that I accept the terms and conditions set forth therein, including any land use limitations, that apply to property I own. I further affirm that I have no objection to the recording of a No Further Remediation Letter containing the terms and conditions identified in the report upon the property I own.
Name of Property Owner: Emco Chemical Distributors, Inc.
Name of Officer or Agent: BJ Korman
Mailing Address: 8601 95th Street
City: Pleasant Prairie
State: Illinois
Zip Code: 53158
E-mail: bjkorman@emcochem.com
Signature: 4-20-22.
Date: 4-20-22.
Site Description
Real Estate Tax/Parcel Index Number:
12005417008
Legal Description of Site (must be provided on a separate sheet):

IL 532-2551 LPC 568 Rev. Dec 2018

C.

D.

### **Legal Description**

2525 Greenfield Lane, North Chicago, Illinois

#### PARCEL ONE:

LOT 13 IN NEIL & ALLEN COLEMAN INDUSTRIAL SUBDIVISION OF PART OF THE SOUTHEAST QUARTER OF SECTION 5, TOWNSHIP 44 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF, RECORDED AUGUST 3, 1984, AS DOCUMENT NO. 2300941, IN LAKE COUNTY, ILLINOIS.

#### PARCEL 2:

THAT PART OF VACATED E.C.I. LANE AS DEPICTED IN THE NEIL & ALLEN COLEMAN INDUSTRIAL SUBDIVISION OF PART OF THE SOUTHEAST QUARTER OF SECTION 5, TOWNSHIP 44 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF, RECORDED AUGUST 3, 1984, AS DOCUMENT NO. 2300941, IN THE OFFICE OF THE RECORDER OF DEEDS, LYING SOUTH OF THE CENTER LINE OF SAID E.C.I. LANE AND LYING WEST OF THE WEST LINE OF LOT 12 EXTENDED NORTH, ALL IN THE CITY OF NORTH CHICAGO, IN LAKE COUNTY, ILLINOIS.

Parcel Identification Number (PIN): 12005417008

LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

#### **ATTACHMENTS**

Illinois Environmental Protection Agency
LEAKING UNDERGROUND STORAGE TANK (LUST) PROGRAM
45 Day/Corrective Action Completion Report

#### **SECTION D - SITE INFORMATION**

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

A release of heating oil from two (2) 10,000-gallon and one (1) 12,000-gallon underground storage tanks (USTs) was reported to the Illinois Emergency Management Agency (IEMA) on March 24, 2022 during the removal of the USTs. A copy of the OSFM removal permit is included in Appendix E. It should be noted, the permit was issued for one (1) 3,500-gallon and two (2) 10,000-gallon USTs. During the removals the USTs were identified as two (2) 10,000-gallon and one (1) 12,000-gallon capacity tanks.

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

#### a. Surrounding populations.

The Site is located in a mixed residential and commercial in the City of North Chicago, Lake County, Illinois. The Site is surrounded as follows:

North: Unnamed commercial, 2425 Greenfield Lane Unnamed commercial, no posted address

South: Lake County Industrial Warehouse, 2575 Commonwealth Avenue Cable Place/Greenfield Lane

East: EMCO Chemical Distributors, Inc. (warehouse), 2510-2600 Commonwealth Ave. King Wire (wire/cable cutting/distribution), 2500 Commonwealth Ave.

Commonwealth Avenue

West: Greenfield Lane

Great Lakes Naval facility

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#### b. Water quality.

The City of North Chicago supplies potable water from Lake Michigan to the Site and surrounding area. According to the Water Department, the water is tested periodically for contaminants and is in compliance with current Environmental Protection Agency (EPA) Safe Drinking Water Act regulations, unless a local drinking water advisory has been issued.

#### c. Use and approximate locations of wells potentially affected by the release.

A request was made to the Illinois State Geologic Society (ISGS) and Illinois State Water Survey (ISWS) for well logs for any public or private wells within Sections 4, 5, 8, and 9, Township 44 North, Range 12, East of the Third Principal Meridian (wells located within 2,500 feet of the Site). In addition, the IEPA Bureau of Water Source Water Assessment Program ArcIMS Mapping Tool (SWAP) was accessed for information regarding public or private wells within these areas. According to information received from these sources, there are four (5) current/historical wells located within 2,500 feet of the Site.

**TABLE 1:** Private Water Supply Well Table

WELL#	OWNER	LOCATION	DISTANCE FROM SITE (FT)		
1	Chicagoland Hardwood Foundry	42.316669 / -87.847564	850		
2	Chicago Hdw. & Fdy. Co.	42.316671 / -87.847562	860		
3	Chicago Hardware & Foundry Co.	42.316671 / -87.847562	860		
4	Sager Lock Co.	42.316653 / -87.845118	870		

Using a 400-foot setback zone for these wells, the Site is not located within the setback zone of these wells. See Appendix H for a copy of the potable well logs and Appendix A, Figure 5 for the locations of the current/historical potable wells.

EPS Environmental submitted a Freedom of Information Act (FOIA) request to the Lake County Health Department (LCHD) regarding potable wells located within the above four (4) Sections. According to the LCHD, the LCHD maintains records of private wells located within the county; however, the data is stored according to Property Identification Number (PIN). Based on the number of properties located within 2,500 feet of the Site, the LCHD records are considered impractical to review. See Appendix G for a copy of the FOIA request and response letter.

On April 13, 2022 Mr. Nicholas J. Cuzzone, P.E., Senior Project Engineer with EPS Environmental, contacted the City of North Chicago regarding potable wells located within City limits. According to Mr. Bob Miller, Interim Public Works Director, the City of North Chicago does not maintain records of public or private wells within the City. In addition, the City of North



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Chicago has an ordinance prohibiting the installation and use of groundwater wells as a potable water source.

Based on the information reviewed, the Site is not located within the minimum setback zone of a well which serves as a potable water supply.

#### d. Subsurface soil conditions.

According to the Illinois State Geologic Survey (ISGS) Circular #460, "Surficial Geology of the Chicago Region", the Site is located on the Lake Plain. This Pleistocene Age system consists of floors of glacial lakes flattened by wave erosion and by minor deposition in low areas; largely underlain by glacial till; predominantly clay and silt, with sand of the Equality Formation present locally.

Based on ISGS Circular #532, *Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Waste*, the Site is located within the rating area of E. The rating denotes the capacities of earth material to accept, transmit, restrict or remove contaminants from waste effluent. In general, an E rating area contains uniform, relatively impermeable silty or clayey till at least 50-feet thick with no evidence of interbedded sand and gravel.

Based on observations during the UST removals, the shallow subsurface soil profile consists of gravel and clay fill material underlain by sandy clay to the maximum depth of 13 feet below ground surface (bgs), maximum depth of excavation.

#### e. Climatological conditions.

City of North Chicago weather is predominantly continental, ranging from relatively warm in the summer to relatively cold in the winter. This is modified by the proximity to Lake Michigan, which acts as a buffer, moderating temperatures.

#### f. Land use.

The Site is currently vacant land. Future Site use will be a warehouse building.

# 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.

As required by 35 IAC 734.210(h), following removal of the USTs the sidewalls and floor of the resulting excavation were sampled by EPS Environmental to determine the concentrations of contaminants associated with heating oil. In addition, a sample of the backfill material was obtained and analyzed. No free product was observed in the UST excavation. Two (2) soil samples were obtained from the floor of the excavation beneath each UST (S-9 through S-14), eight (8) wall samples were obtained (S-1 through S-8), and one (1) backfill sample (S-BF) was obtained.

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#### **Closure Sample Collection**

The UST excavation measured approximately 65 feet from north to south, approximately 20 feet from east to west and approximately 13 feet in depth. Soil samples from the UST excavation were collected at depths representative of the lower third elevation of the USTs and at the floor depth. After the desired sampling depth was reached with the backhoe, soil samples were collected using United States Environmental Protection Agency (USEPA) Method 5035. See Figure 3 for sample locations. Duplicate soil samples were collected from each sampling interval. The first sample was collected using an Easy Draw® syringe and deposited into 40-mL glass vials preserved with deionized water, sodium bisulfate or methanol, then placed onto a scale to ensure a minimum of five (5) grams of sample was obtained. The second sample was placed into an air-tight plastic jar. Samples were chilled and transported under chain of custody to Environmental Monitoring and Technologies, Inc. in Des Plaines, Illinois (EMT) for analysis. Soil samples were analyzed in accordance with USEPA SW-846, *Test Methods for Evaluation of Solid Wastes*.

#### **Analytical Program**

Soil samples from the UST excavation and the backfill sample were analyzed for indicator contaminants associated with heating oil as outlined in 35 Ill. Adm. Code, Section 734.405. The samples were analyzed for benzene, ethylbenzene, toluene and xylenes (BETX) and polynuclear aromatic hydrocarbons (PNAs). No concentrations of BETX or PNAs exceeded 35 Illinois Administrative Code (IAC) Part 742, titled *Tiered Approach to Corrective Action Objectives* (TACO), Tier 1 soil remediation objectives (SROs) for residential land use and Class I Groundwater (the most stringent SROs) with the exception of samples S-1, S-6 and S-8. Soil in these areas was excavated and transported off-Site for final disposal and the resulting walls were resampled for BETX and PNAs. No concentrations of BETX or PNAs were identified above TACO Tier 1 SROs in these samples.

Laboratory reports and certification can be found in Appendix C and a tabular summary of laboratory analytical results can be found in Appendix B.

#### 4. Results of the free product investigations.

No evidence of free product was observed in the soil in the area of the removed UST.

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

The USTs were removed from the Site between March 21 and April 5, 2022 and soil samples from the UST excavation were analyzed for indicator contaminants associated with heating oil. Following remediation of contaminated soil, no concentrations of contaminants exceeded TACO Tier 1 SROs for residential land use and Class I Groundwater.



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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.

No evidence of free product was observed in the soil during the removal of the UST; no evidence of petroleum hydrocarbon vapors was identified in near-by sewers.

7. Any other information collected while performing initial abatement measures pursuant to 35 Ill. Adm. Code Section 732.162 or 732.202(b).

No additional information was available or warranted.

#### **SECTION E - SUPPORTING DOCUMENTATION**

1. Area map showing Site in relation to surrounding properties.

See Figure 1 in Appendix A.

2. A cross section to scale showing the USTs and the excavation.

See Figure 4 in Appendix A for the UST cross sections.

3. Analytical/screening results in tabular format.

The comparison table for soil samples can be found in Appendix B.

4. Site map meeting the requirements of 35 IAC 734.440 and including sample locations.

See Figures in Appendix A.

5. Soil boring logs.

No soil borings were conducted.

6. Chain of custody forms.

The chains of custody form can be found in Appendix C.

7. Laboratory analytical reports.

The laboratory reports can be found in Appendix C.

LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

#### 8. Laboratory certifications.

Laboratory certification for soil samples can be found in Appendix C.

#### 9. A copy of the OSFM Permit for Removal.

See Appendix E for a copy of the OSFM removal permit.

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

January 24, 2022

Tsarpalas Enterprises, Inc. (Tsarpalas), tank contractor, arrived to begin removal operations. Tsarpalas removed soil covering the USTs using a backhoe and placed the soil on plastic sheeting adjacent to the USTs. It was discovered the USTs were constructed of concrete and were full of water/product. GFL Environmental (GFL) began pumping the liquids using a vacuum truck. Approximately 19,090 gallons of liquid were removed.

January 25, 2002

GFL continued to pump liquids from the USTs. A total of 11,740 gallons of liquid and sludge were removed. Due to the extreme cold and as the USTs were constructed of concrete, Tsarpalas discontinued the removals and rescheduled the removals for a later date.

March 21, 2022

Tsarpalas personnel returned to the Site; GFL began pumping liquids from the USTs. When the first UST was emptied Tsarpalas personnel performed oxygen and lower explosive limit (LEL) measurements using a combustion and oxygen meter to determine atmospheric condition inside the UST. The LEL measurement was zero, indicating no explosive conditions existed. The interior of the UST was then cleaned using a pressure washer and a degreasing solution. Mr. Chris Tougeron, Storage Tank Safety Specialist with OSFM, then approved breaking up the UST. Tsarpalas pulled the top of the UST off and utilized a concrete breaker to begin breaking the walls of the tank. GFL pumped a total of 16,800 gallon of liquids and cleaning solution from the USTs.

March 22, 2022

Tsarpalas continued breaking the concrete UST; GFL pumped liquids from the remaining USTs and rainwater that had entered the excavation. A total of 3,670 gallons of liquids were removed and disposed.

March 23, 2022

Breaking of the USTs continued. As disposal of the broken concrete at a recycling facility was not possible due to the contact with heating oil, approximately 15 cubic yards of concrete and soil were excavated and transported to GFL Landfill in Zion, Illinois (Zion) for final disposal. GFL

LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

pumped a total of 3,975 gallons of liquids and sludge from the USTs and the excavation.

March 24, 2022

Broken concrete and soil that fell into the excavation were excavated and stockpiled on plastic adjacent to the excavation as Tsarpalas continued to break the USTs. GFL pumped a total of 17,930 gallons of liquids, rainwater and sludge from the tanks and excavation. Soil samples S-1 through S-8 were obtained from the walls of the excavation and a sample of the backfill was obtained. The samples were transported to Environmental Monitoring and Technologies, Inc. (EMT) and analyzed for BETX and PNAs. Concentrations of benzene or PNAs were identified above TACO Tier 1 SROs for residential land use and Class I Groundwater in samples S-1, S-6 and S-8.

Mr. Tougeron determined a release had occurred from the USTs and leaking underground storage tank (LUST) incident #20220253 was recorded with the Illinois Emergency Management Agency (IEMA).

March 25, 2022

Breaking of the concrete USTs and pumping of water and sludge continued. Approximately 30 cubic yards of broken concrete and soil were transported to Zion for disposal and approximately 17,650 gallons of water were pumped.

March 29, 2022

Work continued as before. Approximately 90 cubic yards of broken concrete and soil were transported to Zion for disposal and approximately 7,775 gallons of water were pumped.

March 31, 2022

Work continued as before. Approximately 30 cubic yards of broken concrete and soil were transported to Zion for disposal and approximately 11,925 gallons of water were pumped.

April 1, 2022

Work continued as before. Approximately 3,200 gallons of water were pumped. Soil samples S-9 and S-10 were obtained from beneath the first UST and analyzed for BETX and PNAs. No concentrations of contaminants were identified above TACO Tier 1 SROs for residential land use and Class I Groundwater.

April 5, 2022

Work continued as before. Approximately 60 cubic yards of broken concrete and soil were transported to Zion for disposal and approximately 4,600 gallons of water were pumped.

April 6, 2022

Work continued as before. Soil in the area of previous samples S-1, S-6 and S-8 was excavated and transported for disposal. Approximately 120 cubic

LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

yards of contaminated soil were transported to Zion for disposal and approximately 3,000 gallons of water were pumped. Soil samples S-11 through S-14 from beneath the USTs and soil sample S-15, S-16 and S-17 from the resulting walls of the excavation were obtained and analyzed for BETX and PNAs. No concentrations of BETX or PNAs were identified above TACO Tier 1 SROs for residential land use and Class I Groundwater. The excavation was backfilled with imported crushed stone.

April 7, 2022

Approximately 105 cubic yards of remaining broken concrete and backfill material were transported to Zion for final disposal.

Based on the laboratory results, no further investigation is recommended. See Appendix C for a copy of the laboratory reports, and chains of custody and certification and Appendix I for the soil and liquid disposal manifests.

#### 11. Photographs.

Photographic documentation of the UST removals is included in Appendix F.

#### 12 Disposal Manifests.

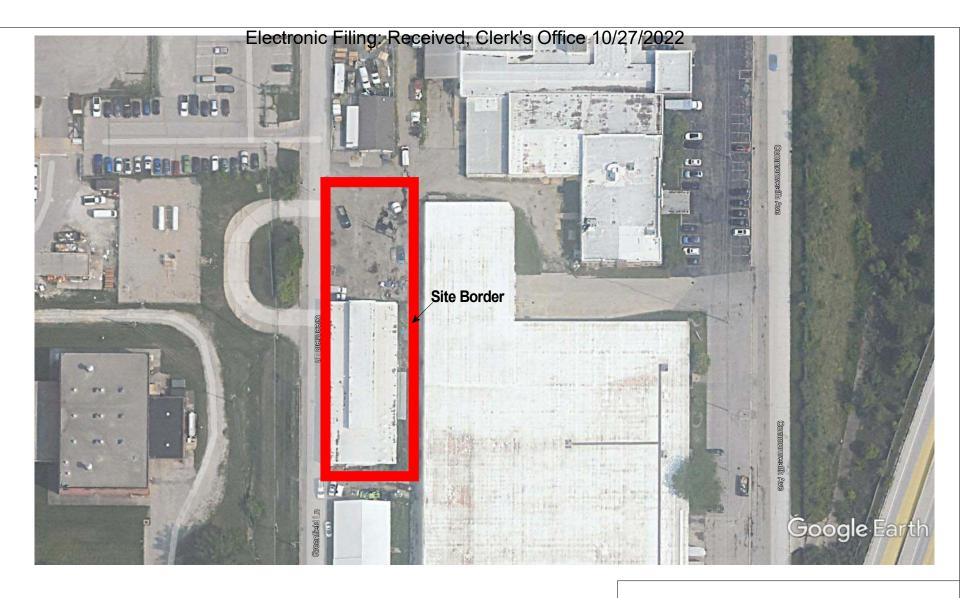
Soil and liquid disposal manifests are included in Appendix I.



LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

#### APPENDIX A

Site Maps



### FIGURE 1 - SITE LOCATION MAP

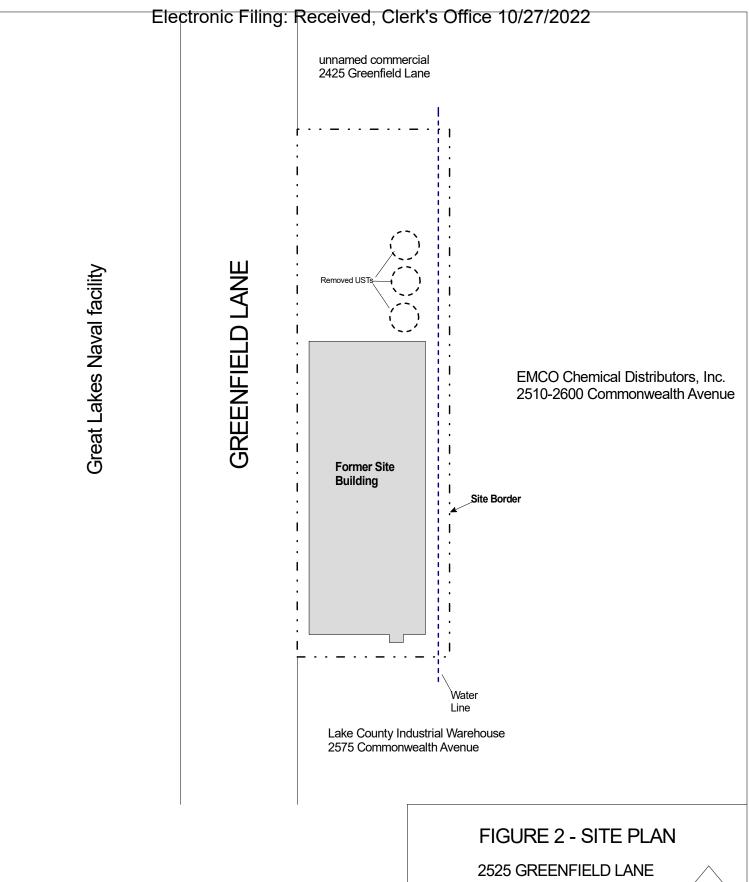
2525 GREENFIELD LANE NORTH CHICAGO, ILLINOIS



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

Date: 04/21/2022 IEMA#:20220253

Not to Scale



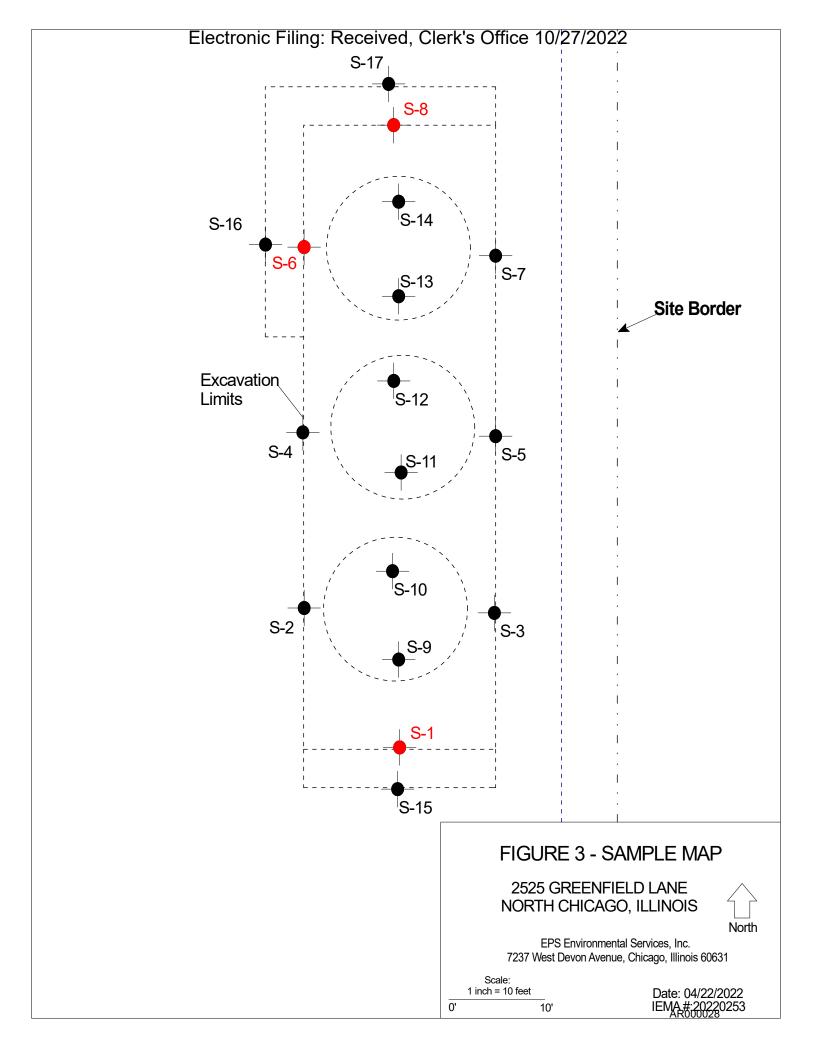
# NORTH CHICAGO, ILLINOIS

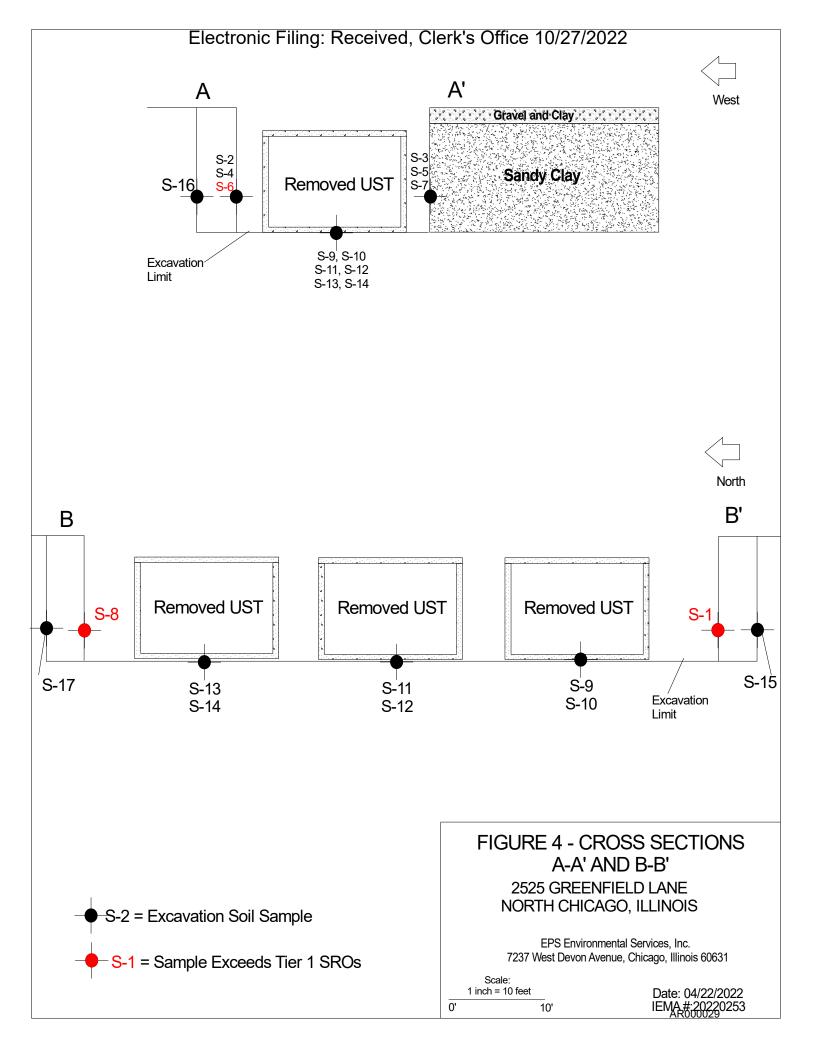


EPS Environmental Services, Inc. 7237 West Devon Avenue, Chicago, Illinois 60631

Scale: 1 inch = 50 feet 50'

Date: 04/22/2022 IEMA#6202220253







●4 = CURRENT/HISTORIC POTABLE WELL LOCATION

#### FIGURE 5 - POTABLE WELL MAP

2525 GREENFIELD LANE NORTH CHICAGO, ILLINOIS



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

Date: 04/21/2022 ale IEMA#;20220253

Not to Scale



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#### APPENDIX B

Comparison Table

Project: 2525 Greenfield Lane, North Chicago, Illinois

Project #: 22850-1030

**Table 1. Soil BETX and PNA Analytical Results** 

Chemical Name	Exposure Route-Specific SROs*			Soil Component of GW Ingestion Route*		Background Within MSA**	S-BF	S-1	S-2	S-3	S-4	S-5	
Onemical Name	Residential		Construction Worker		Class I	Class II	(not Chicago)		0-1	0-2	0-3	0-4	0-0
	ingestion	inhalation	ingestion	inhalation	0.000	0.000							
							Sampling Date	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022
BETX													
Benzene	12	8.0	2,300	2.2	0.03	0.17		<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300
Ethylbenzene	7,800	400	20,000	58	13	19		<0.0939	<0.105	<0.112	<0.0929	<0.0876	<0.0821
Toluene	16,000	650	410,000	42	12	29		<0.375	<0.420	<0.448	< 0.372	<0.351	<0.328
Xylenes (total)	16,000	320	41,000	5.6	150	150		< 0.375	<0.420	<0.448	< 0.372	<0.351	<0.328
PNAs													
Acenaphthene	4,700	NRO	120,000	NRO	570	2,900	0.13	0.671	1.23	0.218	<0.0180	0.239	<0.0163
Acenaphthylene^	23,464	NRO	61,214	NRO	43	214	0.07	<0.158	0.416	0.170	<0.0180	0.149	<0.0163
Anthracene	23,000	NRO	610,000	NRO	12,000	59,000	0.4	0.253	2.37	0.264	0.0188	0.287	<0.0163
Benzo(a)anthracene	0.9	NRO	170	NRO	2	8	1.8	<0.158	7.42	0.166	0.0432	0.144	<0.0163
Benzo(a)pyrene	0.09	NRO	17	NRO	8	82	2.1	0.213	6.67	0.0955	0.0382	0.0854	<0.0163
Benzo(b)fluoranthene	0.9	NRO	170	NRO	5	25	2.1	0.260	8.48	0.0751	0.0458	0.0468	<0.0163
Benzo(g,h,i)perylene^	23,464	NRO	61,214	NRO	16,380	81,902	1.7	0.171	4.02	0.0537	0.0211	0.0586	<0.0163
Benzo(k)fluoranthene	9	NRO	1,700	NRO	49	250	1.7	<0.158	2.80	0.0194	<0.0180	<0.0177	<0.0163
Chrysene	88	NRO	17,000	NRO	160	800	2.7	<0.158	7.33	0.318	0.0465	0.271	<0.0163
Dibenzo(a,h)anthracene	0.09	NRO	17	NRO	2	7.6	0.42	<0.0900	0.944	<0.0173	<0.0180	<0.0177	<0.0163
Fluoranthene	3,100	NRO	82,000	NRO	4,300	21,000	4.1	0.240	16.8	0.337	0.119	0.131	<0.0163
Fluorene	3,100	NRO	82,000	NRO	560	2,800	0.18	0.609	1.17	0.776	<0.0180	0.607	<0.0163
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	14	69	1.6	<0.158	4.63	0.0286	0.0246	0.0214	<0.0163
Naphthalene	1,600	170	4,100	1.8	12	18	0.2	0.231	0.203	1.62	<0.0180	1.45	<0.0163
Phenanthrene^	23,464	NRO	61,214	NRO	141	704	2.5	<0.158	12.2	2.62	0.112	1.98	<0.0163
Pyrene	2,300	NRO	61,000	NRO	4,200	21,000	3	0.490	12.8	0.549	0.0869	0.598	<0.0163

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

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

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 SROs.

<sup>\*\* 35</sup> IAC Part 732 Appendix A, Table H

<sup>^</sup>Non Taco Remediation Objectives were calculated using US EPA RSL tables and Equations from 35 IAC Part 742

Project: 2525 Greenfield Lane, North Chicago, Illinois

Project #: 22850-1030

**Table 1. Soil BETX and PNA Analytical Results** 

Chemical Name	Ex	posure Route	-Specific SR0	Os*		nent of GW n Route*	Background Within MSA**	S-6	S-7	S-8	S-9	S-10	S-11
One mean value	Resid	lential	Constructi	on Worker	Class I	Class II	(not Chicago)	0-0	0-7	0-0	0-3	0-10	0-11
	ingestion	inhalation	ingestion	inhalation	Glado I								
							Sampling Date	3/24/2022	3/24/2022	3/24/2022	4/1/2022	4/1/2022	4/6/2022
BETX													
Benzene	12	8.0	2,300	2.2	0.03	0.17		0.0312	<0.0300	0.0516	< 0.0036	< 0.0036	<0.00173
Ethylbenzene	7,800	400	20,000	58	13	19		0.353	<0.0861	0.120	< 0.0036	< 0.0036	<0.00692
Toluene	16,000	650	410,000	42	12	29		<0.416	<0.344	<0.397	< 0.0036	< 0.0036	<0.00173
Xylenes (total)	16,000	320	41,000	5.6	150	150		1.26	<0.344	<0.397	< 0.011	< 0.011	<0.0104
PNAs													
Acenaphthene	4,700	NRO	120,000	NRO	570	2,900	0.13	1.12	1.60	5.44	< 0.039	< 0.038	<0.0175
Acenaphthylene^	23,464	NRO	61,214	NRO	43	214	0.07	0.569	0.687	3.90	< 0.039	< 0.038	<0.0175
Anthracene	23,000	NRO	610,000	NRO	12,000	59,000	0.4	0.863	1.00	1.94	< 0.039	< 0.038	<0.0175
Benzo(a)anthracene	0.9	NRO	170	NRO	2	8	1.8	0.962	0.287	0.523	< 0.039	< 0.038	<0.0175
Benzo(a)pyrene	0.09	NRO	17	NRO	8	82	2.1	0.758	0.148	0.273	< 0.039	< 0.038	<0.0175
Benzo(b)fluoranthene	0.9	NRO	170	NRO	5	25	2.1	0.993	0.0656	0.206	< 0.039	< 0.038	<0.0175
Benzo(g,h,i)perylene^	23,464	NRO	61,214	NRO	16,380	81,902	1.7	0.396	0.101	0.181	< 0.039	< 0.038	<0.0175
Benzo(k)fluoranthene	9	NRO	1,700	NRO	49	250	1.7	0.340	<0.0160	<0.0874	< 0.039	< 0.038	<0.0175
Chrysene	88	NRO	17,000	NRO	160	800	2.7	0.969	0.434	0.856	< 0.039	< 0.038	<0.0175
Dibenzo(a,h)anthracene	0.09	NRO	17	NRO	2	7.6	0.42	0.0990	0.0183	<0.0874	< 0.039	< 0.038	<0.0175
Fluoranthene	3,100	NRO	82,000	NRO	4,300	21,000	4.1	2.05	0.213	0.657	< 0.039	< 0.038	<0.0175
Fluorene	3,100	NRO	82,000	NRO	560	2,800	0.18	1.78	2.13	9.80	< 0.039	< 0.038	<0.0175
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	14	69	1.6	0.454	0.0297	0.109	< 0.039	< 0.038	<0.0175
Naphthalene	1,600	170	4,100	1.8	12	18	0.2	12.1	5.12	35.9	< 0.039	< 0.038	<0.0175
Phenanthrene^	23,464	NRO	61,214	NRO	141	704	2.5	5.60	6.14	10.5	0.057	0.053	<0.0175
Pyrene	2,300	NRO	61,000	NRO	4,200	21,000	3	2.17	1.36	2.49	< 0.039	< 0.038	<0.0175

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

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

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 SROs.

^Non Taco Remediation Objectives were calculated using US EPA RSL tables and Equations from 35 IAC Part 742

<sup>\*\* 35</sup> IAC Part 732 Appendix A, Table H

Project: 2525 Greenfield Lane, North Chicago, Illinois

Project #: 22850-1030

**Table 1. Soil BETX and PNA Analytical Results** 

Chemical Name	Ex	posure Route	-Specific SRC	)s*		nent of GW n Route*	Background Within MSA**	S-12	S-13	S-14	S-15	S-16	S-17
Chemical Name	Resid	lential	Constructi	on Worker	Class I	Class II	(not Chicago)	0-12	0-10	0-14	0-10	3-10	O-17
	ingestion	inhalation	ingestion	inhalation	0.0.00								
							Sampling Date	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022
BETX													
Benzene	12	8.0	2,300	2.2	0.03	0.17		0.00247	0.00329	<0.000832	<0.00153	<0.00145	<0.00143
Ethylbenzene	7,800	400	20,000	58	13	19		<0.00635	<0.00593	<0.00333	<0.00613	<0.00580	<0.00571
Toluene	16,000	650	410,000	42	12	29		0.00202	0.00612	<0.000832	<0.00153	<0.00145	<0.00143
Xylenes (total)	16,000	320	41,000	5.6	150	150		<0.00953	<0.00890	<0.00499	<0.00920	<0.00871	<0.00856
PNAs													
Acenaphthene	4,700	NRO	120,000	NRO	570	2,900	0.13	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Acenaphthylene^	23,464	NRO	61,214	NRO	43	214	0.07	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Anthracene	23,000	NRO	610,000	NRO	12,000	59,000	0.4	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Benzo(a)anthracene	0.9	NRO	170	NRO	2	8	1.8	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Benzo(a)pyrene	0.09	NRO	17	NRO	8	82	2.1	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Benzo(b)fluoranthene	0.9	NRO	170	NRO	5	25	2.1	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Benzo(g,h,i)perylene^	23,464	NRO	61,214	NRO	16,380	81,902	1.7	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Benzo(k)fluoranthene	9	NRO	1,700	NRO	49	250	1.7	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Chrysene	88	NRO	17,000	NRO	160	800	2.7	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Dibenzo(a,h)anthracene	0.09	NRO	17	NRO	2	7.6	0.42	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Fluoranthene	3,100	NRO	82,000	NRO	4,300	21,000	4.1	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Fluorene	3,100	NRO	82,000	NRO	560	2,800	0.18	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Indeno(1,2,3-cd)pyrene	0.9	NRO	170	NRO	14	69	1.6	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167
Naphthalene	1,600	170	4,100	1.8	12	18	0.2	<0.0187	1.14	<0.0176	<0.0184	<0.0164	<0.0167
Phenanthrene^	23,464	NRO	61,214	NRO	141	704	2.5	0.0469	0.0206	<0.0176	<0.0184	<0.0164	<0.0167
Pyrene	2,300	NRO	61,000	NRO	4,200	21,000	3	<0.0187	<0.0163	<0.0176	<0.0184	<0.0164	<0.0167

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

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

NRO = No Remediation Objective

Results in **Bold/Shaded** indicate concentrations exceeding most stringent Tier 1 SROs.

<sup>\*\* 35</sup> IAC Part 732 Appendix A, Table H

<sup>^</sup>Non Taco Remediation Objectives were calculated using US EPA RSL tables and Equations from 35 IAC Part 742



LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

# **APPENDIX C**

Laboratory Report, Chain of Custody and Certification

# **Analytical Report**

Nick Cuzzone EPS Environmental Services, Inc. 7237 W. Devon Avenue Chicago, IL 60631-1621 April 04, 2022

Work Order: 22C0995

RE: NELAC

3525 Greenfield Lane, Chicago, IL

Dear Nick Cuzzone:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,

Arminta Priddy

Project Manager 847.967.6666 apriddy@emt.com

Approved for release: 4/4/2022 4:17:58PM

Approved by,

Matthew Gregory Technical Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 1002562021-6



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# **Sample Summary**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	22C0995-01	Soil	03/24/22 08:30	03/28/22 15:32
S-2	22C0995-02	Soil	03/24/22 09:30	03/28/22 15:32
S-3	22C0995-03	Soil	03/24/22 10:00	03/28/22 15:32
S-4	22C0995-04	Soil	03/24/22 10:45	03/28/22 15:32
S-5	22C0995-05	Soil	03/24/22 12:00	03/28/22 15:32
S-6	22C0995-06	Soil	03/25/22 10:00	03/28/22 15:32
S-7	22C0995-07	Soil	03/25/22 11:00	03/28/22 15:32
S-8	22C0995-08	Soil	03/25/22 11:30	03/28/22 15:32
S-BF	22C0995-09	Soil	03/24/22 13:30	03/28/22 15:32

#### **Case Narrative**

Client: EPS Environmental Services, Inc. Date: 04/04/2022

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

Work Order: 22C0995

The samples were received on 03/28/22 15:32. The temperature of the cooler(s) at receipt was:

<u>Cooler</u> <u>Temp C°</u> Default Cooler 4.9

The samples were received in good condition and were properly preserved.

#### **GCMS Volatiles**

#### 8260B VOC 5035 HIGH

22C0995-09: The surrogate spike compound 4-bromofluorobenzene recovered outside control criteria (80% - 126%) at 146%. As all other pertinent quality indicators were acceptable, this exceedance would be attributed to sample matrix.

#### **Client Sample Results**

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-1

Report Date: 04/04/2022

Collection Date: 03/24/2022 08:30

Matrix: Soil

		EMT						
		Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM254	40G							
Total Solids	82.5	0.100		% (Percent)		03/29/22 04:27	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW50	35						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/29/22 19:10	B2C1119	KS1
Ethylbenzene	< 0.105	0.105		mg/Kg dry		03/29/22 19:10	B2C1119	KS1
Toluene	< 0.420	0.420		mg/Kg dry		03/29/22 19:10	B2C1119	KS1
Xylenes, Total	< 0.420	0.420		mg/Kg dry		03/29/22 19:10	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 105%	Limits: 87-109	03/29/22 19:10	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 101%	Limits: 84-119	03/29/22 19:10	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 100%	Limits: 80-126	03/29/22 19:10	B2C1119	KS1
Semivolatile Organic Compo	unde by GC	·/MS						
Method: SW82	_							
Acenaphthene	1.23	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Acenaphthylene	0.416	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Anthracene	2.37	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Benzo(a)anthracene	7.42	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Benzo(a)pyrene	6.67	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Benzo(b)fluoranthene	8.48	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Benzo(g,h,i)perylene	4.02	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Benzo(k)fluoranthene	2.80	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Chrysene	7.33	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Dibenzo(a,h)anthracene	0.944	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Fluoranthene	16.8	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Fluorene	1.17	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	4.63	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Naphthalene	0.203	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Phenanthrene	12.2	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Pyrene	12.8	0.0894		mg/Kg dry		04/01/22 20:37	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 85%	Limits: 58-127	04/01/22 20:37	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 91%	Limits: 42-130	04/01/22 20:37	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-2

Report Date: 04/04/2022

Collection Date: 03/24/2022 09:30

Matrix: Soil

Analyses	Result	EMT Reporting Limit Q	ual	Units		Date/Time Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM254	10G							
Total Solids	81.7	0.100		% (Percent)		03/29/22 04:29	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW5	035						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/29/22 19:35	B2C1119	KS1
Ethylbenzene	< 0.112	0.112		mg/Kg dry		03/29/22 19:35	B2C1119	KS1
Toluene	< 0.448	0.448		mg/Kg dry		03/29/22 19:35	B2C1119	KS1
Xylenes, Total	< 0.448	0.448		mg/Kg dry		03/29/22 19:35	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 87-109	03/29/22 19:35	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 100%	Limits: 84-119	03/29/22 19:35	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 95%	Limits: 80-126	03/29/22 19:35	B2C1119	KS1
Semivolatile Organic Compo Method: SW827	_							
Acenaphthene	0.218	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Acenaphthylene	0.170	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Anthracene	0.264	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Benzo(a)anthracene	0.166	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Benzo(a)pyrene	0.0955	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Benzo(b)fluoranthene	0.0751	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Benzo(g,h,i)perylene	0.0537	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Benzo(k)fluoranthene	0.0194	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Chrysene	0.318	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Dibenzo(a,h)anthracene	< 0.0173	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Fluoranthene	0.337	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Fluorene	0.776	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	0.0286	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Naphthalene	1.62	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Phenanthrene	2.62	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Pyrene	0.549	0.0173		mg/Kg dry		04/01/22 15:47	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 88%	Limits: 58-127	04/01/22 15:47	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 86%	Limits: 42-130	04/01/22 15:47	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-3

Report Date: 04/04/2022

**Collection Date:** 03/24/2022 10:00

Matrix: Soil

		EMT Reporting				Date/Time		
Analyses	Result	. •	Qual	Units		Analyzed	Batch	Analyst
Vet Chemistry								
Method: SM254	10G							
Total Solids	83.9	0.100		% (Percent)		03/29/22 04:31	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW5	035						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/29/22 20:00	B2C1119	KS1
Ethylbenzene	< 0.0929	0.0929		mg/Kg dry		03/29/22 20:00	B2C1119	KS1
Toluene	< 0.372	0.372		mg/Kg dry		03/29/22 20:00	B2C1119	KS1
Xylenes, Total	< 0.372	0.372		mg/Kg dry		03/29/22 20:00	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 104%	Limits: 87-109	03/29/22 20:00	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 99%	Limits: 84-119	03/29/22 20:00	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 100%	Limits: 80-126	03/29/22 20:00	B2C1119	KS1
Saminalatila Omnania Oamaa	unda hu Oi	2/140						
Semivolatile Organic Compoנ Method: SW827	-							
Acenaphthene	< 0.0180	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Acenaphthylene	< 0.0180	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Anthracene	0.0188	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Benzo(a)anthracene	0.0432	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Benzo(a)pyrene	0.0382	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Benzo(b)fluoranthene	0.0352	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Benzo(g,h,i)perylene	0.0400	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Benzo(k)fluoranthene	< 0.0180	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Chrysene	0.0465	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Dibenzo(a,h)anthracene	< 0.0180	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Fluoranthene	0.119	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Fluorene	< 0.0180	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	0.0246	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Naphthalene	< 0.0180	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Phenanthrene	0.112	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Pyrene	0.0869	0.0180		mg/Kg dry		04/01/22 16:06	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 64%	Limits: 58-127	04/01/22 16:06	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 55%	Limits: 42-130	04/01/22 16:06	B2C1101	AJH

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-4

Report Date: 04/04/2022

Collection Date: 03/24/2022 10:45

Matrix: Soil

		EMT				Data IT's		
Analyses	Result	Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
<del>-</del>								
Vet Chemistry								
Method: SM254	40G							
Total Solids	83.8	0.100		% (Percent)		03/29/22 04:33	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW82	60B/D / SW50	35						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/29/22 20:24	B2C1119	KS1
Ethylbenzene	< 0.0876	0.0876		mg/Kg dry		03/29/22 20:24	B2C1119	KS1
Toluene	< 0.351	0.351		mg/Kg dry		03/29/22 20:24	B2C1119	KS1
Xylenes, Total	< 0.351	0.351		mg/Kg dry		03/29/22 20:24	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 102%	Limits: 87-109	03/29/22 20:24	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 105%	Limits: 84-119	03/29/22 20:24	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 103%	Limits: 80-126	03/29/22 20:24	B2C1119	KS1
Acenaphthene	0.239	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Method: SW82	70D SIM / SW	3550						
•								
Acenaphthylene	0.149	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Anthracene	0.287	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Benzo(a)anthracene	0.144	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Benzo(a)pyrene	0.0854	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Benzo(b)fluoranthene	0.0468	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Benzo(g,h,i)perylene	0.0586	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Benzo(k)fluoranthene	< 0.0177	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104 B2C1104	AJH AJH
Chrysene	0.271	0.0177		mg/Kg dry		04/01/22 16:26		
Dibenzo(a,h)anthracene	< 0.0177	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Fluoranthene	0.131	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Fluorene	0.607	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	0.0214	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Naphthalene	1.45	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Phenanthrene	1.98	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Pyrene	0.598	0.0177		mg/Kg dry		04/01/22 16:26	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 89%	Limits: 58-127	04/01/22 16:26	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 83%	Limits: 42-130	04/01/22 16:26	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-5

Report Date: 04/04/2022

Collection Date: 03/24/2022 12:00

Matrix: Soil

		EMT						
Analyses	Result	Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM254	40G							
Total Solids	85.5	0.100		% (Percent)		03/29/22 04:35	B2C1043	MKP
Volatile Organic Compounds	by GC/MS							
Method: SW82	60B/D / SW50	35						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/29/22 20:49	B2C1119	KS1
Ethylbenzene	< 0.0821	0.0821		mg/Kg dry		03/29/22 20:49	B2C1119	KS1
Toluene	< 0.328	0.328		mg/Kg dry		03/29/22 20:49	B2C1119	KS1
Xylenes, Total	< 0.328	0.328		mg/Kg dry		03/29/22 20:49	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 105%	Limits: 87-109	03/29/22 20:49	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 102%	Limits: 84-119	03/29/22 20:49	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 89%	Limits: 80-126	03/29/22 20:49	B2C1119	KS1
Semivolatile Organic Compo	unds by GC	:/MS						
Method: SW82	_							
Acenaphthene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Acenaphthylene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Anthracene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Benzo(a)anthracene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Benzo(a)pyrene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Benzo(b)fluoranthene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Benzo(g,h,i)perylene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Benzo(k)fluoranthene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Chrysene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Dibenzo(a,h)anthracene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Fluoranthene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Fluorene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Naphthalene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Phenanthrene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Pyrene	< 0.0163	0.0163		mg/Kg dry		04/01/22 16:45	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 72%	Limits: 58-127	04/01/22 16:45	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 65%	Limits: 42-130	04/01/22 16:45	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-6

Report Date: 04/04/2022

Collection Date: 03/25/2022 10:00

Matrix: Soil

		EMT Reporting				Date/Time		
Analyses	Result	. •	ual	Units		Analyzed	Batch	Analyst
Vet Chemistry								
Method: SM254	0G							
Total Solids	83.0	0.100		% (Percent)		03/29/22 04:37	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	0B/D / SW5	035						
Benzene	0.0312	0.0300		mg/Kg dry		03/29/22 21:14	B2C1119	KS1
Ethylbenzene	0.353	0.104		mg/Kg dry		03/29/22 21:14	B2C1119	KS1
Toluene	< 0.416	0.416		mg/Kg dry		03/29/22 21:14	B2C1119	KS1
Xylenes, Total	1.26	0.416		mg/Kg dry		03/29/22 21:14	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 101%	Limits: 87-109	03/29/22 21:14	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 107%	Limits: 84-119	03/29/22 21:14	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 95%	Limits: 80-126	03/29/22 21:14	B2C1119	KS1
Samiralatila Overania Camana	da b 01	2/4/0						
Semivolatile Organic Compou Method: SW827	_							
Acenaphthene	1.12	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Acenaphthylene	0.569	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Anthracene	0.863	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Benzo(a)anthracene	0.962	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Benzo(a)pyrene	0.758	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Benzo(b)fluoranthene	0.993	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Benzo(g,h,i)perylene	0.396	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Benzo(k)fluoranthene	0.340	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Chrysene	0.969	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Dibenzo(a,h)anthracene	0.0990	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Fluoranthene	2.05	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Fluorene	1.78	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	0.454	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Naphthalene	12.1	0.0359		mg/Kg dry		04/04/22 12:18	B2C1104	AJH
Phenanthrene	5.60	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Pyrene	2.17	0.0180		mg/Kg dry		04/01/22 17:04	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 99%	Limits: 58-127	04/01/22 17:04	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 81%	Limits: 42-130	04/01/22 17:04	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-7

Report Date: 04/04/2022

Collection Date: 03/25/2022 11:00

Matrix: Soil

		EMT						
		Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Vet Chemistry								
Method: SM254	10G							
Total Solids	85.8	0.100		% (Percent)		03/29/22 04:39	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW50	35						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/29/22 21:39	B2C1119	KS1
Ethylbenzene	< 0.0861	0.0861		mg/Kg dry		03/29/22 21:39	B2C1119	KS1
Toluene	< 0.344	0.344		mg/Kg dry		03/29/22 21:39	B2C1119	KS1
Xylenes, Total	< 0.344	0.344		mg/Kg dry		03/29/22 21:39	B2C1119	KS1
Surrogate: Fluorobenzene				Recovery: 104%	Limits: 87-109	03/29/22 21:39	B2C1119	KS1
Surrogate: Toluene-d8				Recovery: 108%	Limits: 84-119	03/29/22 21:39	B2C1119	KS1
Surrogate: 4-Bromofluorobenzene			S	Recovery: 128%	Limits: 80-126	03/29/22 21:39	B2C1119	KS1
Method: SW827 Acenaphthene	70D SIIVI 7 SVV 1.60	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Accomplete	1.60	0.0160		ma/Ka day		04/04/22 47:24	P2C1104	۸ الـا
Acenaphthylene	0.687	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Anthracene	1.00	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Benzo(a)anthracene	0.287	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Benzo(a)pyrene	0.148	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Benzo(b)fluoranthene	0.0656	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Benzo(g,h,i)perylene	0.101	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Benzo(k)fluoranthene	< 0.0160	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Chrysene	0.434	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Dibenzo(a,h)anthracene	0.0183	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Fluoranthene	0.213	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Fluorene	2.13	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	0.0297	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Naphthalene	5.12	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Phenanthrene	6.14	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Pyrene	1.36	0.0160		mg/Kg dry		04/01/22 17:24	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 99%	Limits: 58-127	04/01/22 17:24	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 86%	Limits: 42-130	04/01/22 17:24	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-8

Report Date: 04/04/2022

Collection Date: 03/25/2022 11:30

Matrix: Soil

		EMT						
		Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM254	0G							
Total Solids	82.8	0.100		% (Percent)		03/29/22 04:41	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW50	35						
Benzene	0.0516	0.0300		mg/Kg dry		03/30/22 13:41	B2C1157	KS1
Ethylbenzene	0.120	0.0992		mg/Kg dry		03/30/22 13:41	B2C1157	KS1
Toluene	< 0.397	0.397		mg/Kg dry		03/30/22 13:41	B2C1157	KS1
Xylenes, Total	< 0.397	0.397		mg/Kg dry		03/30/22 13:41	B2C1157	KS1
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 87-109	03/30/22 13:41	B2C1157	KS1
Surrogate: Toluene-d8				Recovery: 112%	Limits: 84-119	03/30/22 13:41	B2C1157	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 102%	Limits: 80-126	03/30/22 13:41	B2C1157	KS1
Samiyalatila Organia Compo	ında by CC	·/M/C						
Semivolatile Organic Compoנ Method: SW827	_							
Acenaphthene	5.44	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Acenaphthylene	3.90	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Anthracene	1.94	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Benzo(a)anthracene	0.523	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Benzo(a)pyrene	0.273	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Benzo(b)fluoranthene	0.206	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Benzo(g,h,i)perylene	0.181	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Benzo(k)fluoranthene	< 0.0874	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Chrysene	0.856	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Dibenzo(a,h)anthracene	< 0.0874	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Fluoranthene	0.657	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Fluorene	9.80	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	0.109	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Naphthalene	35.9	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Phenanthrene	10.5	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Pyrene	2.49	0.0874		mg/Kg dry		04/04/22 13:54	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 97%	Limits: 58-127	04/04/22 13:54	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 92%	Limits: 42-130	04/04/22 13:54	B2C1104	AJH

# **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Client Sample ID: S-BF

Report Date: 04/04/2022

Collection Date: 03/24/2022 13:30

Matrix: Soil

		EMT Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM254	10G							
Total Solids	95.5	0.100		% (Percent)		03/29/22 04:43	B2C1043	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW5	035						
Benzene	< 0.0300	0.0300		mg/Kg dry		03/30/22 14:06	B2C1157	KS1
Ethylbenzene	< 0.0939	0.0939		mg/Kg dry		03/30/22 14:06	B2C1157	KS1
Toluene	< 0.375	0.375		mg/Kg dry		03/30/22 14:06	B2C1157	KS1
Xylenes, Total	< 0.375	0.375		mg/Kg dry		03/30/22 14:06	B2C1157	KS1
Surrogate: Fluorobenzene				Recovery: 107%	Limits: 87-109	03/30/22 14:06	B2C1157	KS1
Surrogate: Toluene-d8				Recovery: 106%	Limits: 84-119	03/30/22 14:06	B2C1157	KS1
Surrogate: 4-Bromofluorobenzene			s	Recovery: 146%	Limits: 80-126	03/30/22 14:06	B2C1157	KS1
Method: SW827				n.c. 1		0.4/0.4/0.0.4.4.4	D004404	
Acenaphthene	0.671	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Acenaphthylene	< 0.158	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Anthracene	0.253	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Benzo(a)anthracene	< 0.158	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Benzo(a)pyrene	0.213	0.0900		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Benzo(b)fluoranthene	0.260	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Benzo(g,h,i)perylene	0.171	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Benzo(k)fluoranthene	< 0.158	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Chrysene	< 0.158	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Dibenzo(a,h)anthracene	< 0.0900	0.0900		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Fluoranthene	0.240	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Fluorene	0.609	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Indeno(1,2,3-cd)pyrene	< 0.158	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Naphthalene	0.231	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Phenanthrene	< 0.158	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Pyrene	0.490	0.158		mg/Kg dry		04/04/22 14:14	B2C1104	AJH
Surrogate: 2-Methylnaphthalene-d10				Recovery: 96%	Limits: 58-127	04/04/22 14:14	B2C1104	AJH
Surrogate: Fluoranthene-d10				Recovery: 85%	Limits: 42-130	04/04/22 14:14	B2C1104	AJH

Report Date: 04/04/2022

509 N. 3<sup>rd</sup> Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com** 

# **Dates Report**

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
22C0995-01	S-1	03/24/22	Soil	Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:27	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 20:37	B2C1104	S2D0050
				Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 19:10	B2C1119	S2C0525
22C0995-02	S-2	03/24/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:29	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 15:47	B2C1104	S2D0050
		00/04/00		Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 19:35	B2C1119	S2C0525
22C0995-03	S-3	03/24/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:31	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 16:06	B2C1104	S2D0050
				Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 20:00	B2C1119	S2C0525
22C0995-04	S-4	03/24/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:33	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 16:26	B2C1104	S2D0050
				Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 20:24	B2C1119	S2C0525
22C0995-05	S-5	03/24/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:35	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 16:45	B2C1104	S2D0050
				Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 20:49	B2C1119	S2C0525
22C0995-06	S-6	03/25/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:37	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 17:04	B2C1104	S2D0050
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/04/22 12:18		S2D0051
				Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 21:14	B2C1119	S2C0525
22C0995-07	S-7	03/25/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:39	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/01/22 17:24	B2C1104	S2D0050
				Volatile Organic Compounds by GC/MS		03/29/22 10:06	03/29/22 21:39	B2C1119	S2C0525
22C0995-08	S-8	03/25/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:41	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/04/22 13:54	B2C1104	S2D0051
				Volatile Organic Compounds by GC/MS		03/30/22 10:54	03/30/22 13:41	B2C1157	S2C0550
22C0995-09	S-BF	03/24/22		Total Solids / Percent Moisture		03/29/22 04:10	03/29/22 04:43	B2C1043	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/01/22 11:45	04/04/22 14:14	B2C1104	S2D0051
				Volatile Organic Compounds by GC/MS		03/30/22 10:54	03/30/22 14:06	B2C1157	S2C0550

# **Quality Control**

Client: EPS Environmental Services, Inc.

Report Date: 04/04/2022

Project: NELAC

Matrix: Solid

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

# **Wet Chemistry**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch: B2C1043										
Blank (B2C1043-BLK1)				Prepared	: 03/29/2022	04:10	Analyzed: 0	3/29/2022	04:45	
Total Solids	< 0.0240	0.100	%							
LCS (B2C1043-BS1)				Prepared	: 03/29/2022	04:10	Analyzed: 0	3/29/2022	04:47	
Total Solids	0.188	0.100	%	0.2040		92.1	85-102			
Duplicate (B2C1043-DUP1)		Source: 220	0995-09	Prepared	: 03/29/2022	04:10	Analyzed: 0	3/29/2022	04:49	
Total Solids	95.2	0.100	%		95.5			0.253	5	

RPD

Reporting

509 N. 3<sup>rd</sup> Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com** 

#### **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Surrogate: Fluorobenzene

Surrogate: 4-Bromofluorobenzene

Surrogate: Toluene-d8

LCS (B2C1157-BS1)

Benzene

Toluene

Ethylbenzene

Report Date: 04/04/2022

Matrix: Solid

%REC

87-109

84-119

80-126

88-119

88-124

77-121

105

100

102

106

110

Prepared: 03/30/2022 10:00 Analyzed: 03/30/2022 12:02

# **Volatile Organic Compounds by GC/MS**

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual
Batch: B2C1119 - SW5035										
Blank (B2C1119-BLK1)				Prepared	1: 03/29/2022	10:10	Analyzed: 03	3/29/2022	12:34	
Benzene	< 0.0200	0.0300	mg/Kg wet							
Ethylbenzene	< 0.0235	0.100	mg/Kg wet							
Toluene	< 0.0620	0.400	mg/Kg wet							
Xylenes, Total	< 0.0655	0.400	mg/Kg wet							
Surrogate: Fluorobenzene	20.4		ug/Kg	20.00		102	87-109			
Surrogate: Toluene-d8	20.6		ug/Kg	20.00		103	84-119			
Surrogate: 4-Bromofluorobenzene	9.56		ug/Kg	10.00		96	80-126			
LCS (B2C1119-BS1)				Prepared	1: 03/29/2022	10:10	Analyzed: 03	3/29/2022	11:16	
Benzene	0.0398	0.00200	mg/Kg wet	0.04000		100	88-119			
Ethylbenzene	0.0387	0.00200	mg/Kg wet	0.04000		97	88-124			
Toluene	0.0410	0.00800	mg/Kg wet	0.04000		103	77-121			
Xylenes, Total	0.119	0.00800	mg/Kg wet	0.1200		99	88-122			
Surrogate: Fluorobenzene	20.7		ug/Kg	20.00		103	87-109			
Surrogate: Toluene-d8	22.0		ug/Kg	20.00		110	84-119			
Surrogate: 4-Bromofluorobenzene	9.22		ug/Kg	10.00		92	80-126			
LCS Dup (B2C1119-BSD1)				Prepared	1: 03/29/2022	10:10	Analyzed: 03	3/29/2022	11:41	
Benzene	0.0448	0.00200	mg/Kg wet	0.04000		112	88-119	12	20	
Ethylbenzene	0.0434	0.00200	mg/Kg wet	0.04000		109	88-124	11	20	
Toluene	0.0460	0.00800	mg/Kg wet	0.04000		115	77-121	11	20	
Xylenes, Total	0.134	0.00800	mg/Kg wet	0.1200		112	88-122	12	20	
Surrogate: Fluorobenzene	20.8		ug/Kg	20.00		104	87-109			
Surrogate: Toluene-d8	21.5		ug/Kg	20.00		107	84-119			
Surrogate: 4-Bromofluorobenzene	10.3		ug/Kg	10.00		103	80-126			
Batch: B2C1157 - SW5035										
Blank (B2C1157-BLK1)				Prepared	1: 03/30/2022	10:00	Analyzed: 03	3/30/2022	12:51	
Benzene	< 0.0200	0.0300	mg/Kg wet							
Ethylbenzene	< 0.0235	0.100								
Toluene	< 0.0620	0.400	0 0							

ug/Kg

ug/Kg

ug/Kg

0.00200 mg/Kg wet

0.00200 mg/Kg wet

0.00800 mg/Kg wet

20.00

20.00

10.00

0.04000

0.04000

0.04000

20.8

21.0

9.99

0.0409

0.0425

0.0440

# **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

Report Date: 04/04/2022

Matrix: Solid

# **Volatile Organic Compounds by GC/MS**

(Continued)

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual

Batch: B2C1157 - SW5035 (Continued)

LCS (B2C1157-BS1) (Continued)				Prepared: 03/30/202	2 10:00	Analyzed: (	03/30/2022	12:02	
Xylenes, Total	0.127	0.00800	mg/Kg wet	0.1200	106	88-122			
Surrogate: Fluorobenzene	20.6		ug/Kg	20.00	103	87-109			
Surrogate: Toluene-d8	21.8		ug/Kg	20.00	109	84-119			
Surrogate: 4-Bromofluorobenzene	10.5		ug/Kg	10.00	105	80-126			
LCS Dup (B2C1157-BSD1)				Prepared: 03/30/202	2 10:00	Analyzed: (	03/30/2022	21:07	
Benzene	0.0396	0.00200	mg/Kg wet	0.04000	99	88-119	3	20	
Ethylbenzene	0.0365	0.00200	mg/Kg wet	0.04000	91	88-124	15	20	
Toluene	0.0386	0.00800	mg/Kg wet	0.04000	96	77-121	13	20	
Xylenes, Total	0.112	0.00800	mg/Kg wet	0.1200	93	88-122	13	20	
Surrogate: Fluorobenzene	21.4		ug/Kg	20.00	107	87-109			
Surrogate: Toluene-d8	20.7		ug/Kg	20.00	104	84-119			
Surrogate: 4-Bromofluorobenzene	9.83		ua/Ka	10.00	98	80-126			

# **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995

# Matrix: Solid

Report Date: 04/04/2022

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual

Semivolatile Organic Compounds by GC/MS

#### Batch: B2C1104 - SW3550

Balcii. B2C1104 - 3473330						
Blank (B2C1104-BLK1)				Prepared: 04/01/202	2 11:45	Analyzed: 04/01/2022 14:10
Acenaphthene	< 0.00264	0.0145	mg/Kg wet			
Acenaphthylene	< 0.00393	0.0145	mg/Kg wet			
Anthracene	< 0.00369	0.0145	mg/Kg wet			
Benzo(a)anthracene	< 0.00289	0.0145	mg/Kg wet			
Benzo(a)pyrene	< 0.00221	0.0145	mg/Kg wet			
Benzo(b)fluoranthene	< 0.00466	0.0145	mg/Kg wet			
Benzo(g,h,i)perylene	< 0.00452	0.0145	mg/Kg wet			
Benzo(k)fluoranthene	< 0.00378	0.0145	mg/Kg wet			
Chrysene	< 0.00305	0.0145	mg/Kg wet			
Dibenzo(a,h)anthracene	< 0.00366	0.0145	mg/Kg wet			
Fluoranthene	< 0.00451	0.0145	mg/Kg wet			
Fluorene	< 0.00345	0.0145	mg/Kg wet			
Indeno(1,2,3-cd)pyrene	< 0.00368	0.0145	mg/Kg wet			
Naphthalene	< 0.00434	0.0145	mg/Kg wet			
Phenanthrene	< 0.00356	0.0145	mg/Kg wet			
Pyrene	< 0.00198	0.0145	mg/Kg wet			
Surrogate: 2-Methylnaphthalene-d10	1.27		mg/Kg wet	1.509	84	58-127
Surrogate: Fluoranthene-d10	1.18		mg/Kg wet	1.509	78	42-130
LCS (B2C1104-BS1)				Prepared: 04/01/202	2 11:45	Analyzed: 04/01/2022 14:29
Acenaphthene	1.29	0.0140	mg/Kg wet	1.463	88	67-122
Acenaphthylene	1.36	0.0140	mg/Kg wet	1.463	93	65-118
Anthracene	1.28	0.0140		1.463	88	65-118
Benzo(a)anthracene	1.23	0.0140	mg/Kg wet	1.463	84	55-114
Benzo(a)pyrene	1.26	0.0140	mg/Kg wet	1.463	86	58-122
Benzo(b)fluoranthene	1.20	0.0140	mg/Kg wet	1.463	82	63-124
Benzo(g,h,i)perylene	1.18	0.0140	mg/Kg wet	1.463	81	56-128
Benzo(k)fluoranthene	1.19	0.0140	mg/Kg wet	1.463	82	47-138
Chrysene	1.27	0.0140	mg/Kg wet	1.463	87	60-130
Dibenzo(a,h)anthracene	1.17	0.0140	mg/Kg wet	1.463	80	59-126
Fluoranthene	1.25	0.0140	mg/Kg wet	1.463	86	66-126
Fluorene	1.32	0.0140		1.463	90	67-123
Indeno(1,2,3-cd)pyrene	1.15	0.0140	mg/Kg wet	1.463	79	60-122
Naphthalene		0.0140	0 0	1.463	91	72-122
Naprilialerie	1.33	0.0140	mg/rtg wct			
Phenanthrene	1.33 1.26	0.0140		1.463	86	71-124
·		0.0140	0 0			
Phenanthrene	1.26	0.0140	mg/Kg wet	1.463	86	71-124

# **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Project: **NELAC** 

3525 Greenfield Lane, Chicago, IL

Work Order: 22C0995 Report Date: 04/04/2022

Matrix: Solid

# Semivolatile Organic Compounds by GC/MS

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

Batch: B2C1104 - SW3550 (Continued)

Matrix Spike (B2C1104-MS1)		Source: 22C0995-0	Prepare	d: 04/01/202	2 11:45	Analyzed: 04/	01/2022	14:48	
Acenaphthene	2.08	0.0193 mg/Kg dr	y 2.015	0.218	92	57-119			
Acenaphthylene	1.89	0.0193 mg/Kg dr	y 2.015	0.170	85	59-115			
Anthracene	1.99	0.0193 mg/Kg dr	y 2.015	0.264	86	58-114			
Benzo(a)anthracene	1.93	0.0193 mg/Kg dr	y 2.015	0.166	88	47-127			
Benzo(a)pyrene	1.80	0.0193 mg/Kg dr	y 2.015	0.0955	85	46-127			
Benzo(b)fluoranthene	1.68	0.0193 mg/Kg dr	y 2.015	0.0751	79	48-125			
Benzo(g,h,i)perylene	1.61	0.0193 mg/Kg dr	y 2.015	0.0537	77	48-120			
Benzo(k)fluoranthene	1.52	0.0193 mg/Kg dr	y 2.015	0.0194	75	47-125			
Chrysene	1.81	0.0193 mg/Kg dr	y 2.015	0.318	74	49-135			
Dibenzo(a,h)anthracene	1.53	0.0193 mg/Kg dr	y 2.015	0.0138	75	50-122			
Fluoranthene	2.05	0.0193 mg/Kg dr	y 2.015	0.337	85	49-132			
Fluorene	2.31	0.0193 mg/Kg dr	y 2.015	0.776	76	59-119			
Indeno(1,2,3-cd)pyrene	1.58	0.0193 mg/Kg dr	y 2.015	0.0286	77	50-120			
Naphthalene	3.07	0.0193 mg/Kg dr	y 2.015	1.62	72	69-117			
Phenanthrene	3.97	0.0193 mg/Kg dr	y 2.015	2.62	67	56-126			
Pyrene	2.04	0.0193 mg/Kg dr	y 2.015	0.549	74	34-141			
Surrogate: 2-Methylnaphthalene-d10	1.86	mg/Kg dı	y 2.015		92	58-127			
Surrogate: Fluoranthene-d10	1.76	mg/Kg dı	y 2.015		87	42-130			
Matrix Spike Dup (B2C1104-MSD1)		Source: 22C0995-0	Prepare	ed: 04/01/202	2 11:45	Analyzed: 04/	01/2022	15:08	
Matrix Spike Dup (B2C1104-MSD1) Acenaphthene	1.94	Source: 22C0995-02		0.218	22 11:45 95	Analyzed: 04/ 57-119	7	<i>15:08</i>	
	1.94 1.75		y 1.816			-			
Acenaphthene		0.0174 mg/Kg dr	y 1.816 y 1.816	0.218	95	57-119	7	20	
Acenaphthene Acenaphthylene	1.75	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816	0.218 0.170	95 87	57-119 59-115	7 8	20 20	
Acenaphthene Acenaphthylene Anthracene	1.75 1.76	0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264	95 87 82	57-119 59-115 58-114	7 8 12	20 20 23	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene	1.75 1.76 1.84	0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166	95 87 82 92	57-119 59-115 58-114 47-127	7 8 12 5	20 20 23 33	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene	1.75 1.76 1.84 1.67	0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955	95 87 82 92 87	57-119 59-115 58-114 47-127 46-127	7 8 12 5 8	20 20 23 33 36	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene	1.75 1.76 1.84 1.67 1.56	0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751	95 87 82 92 87 82	57-119 59-115 58-114 47-127 46-127 48-125	7 8 12 5 8 7	20 20 23 33 36 35	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	1.75 1.76 1.84 1.67 1.56 1.48	0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537	95 87 82 92 87 82 79	57-119 59-115 58-114 47-127 46-127 48-125 48-120	7 8 12 5 8 7	20 20 23 33 36 35 26	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	1.75 1.76 1.84 1.67 1.56 1.48 1.37	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194	95 87 82 92 87 82 79	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125	7 8 12 5 8 7 8	20 20 23 33 36 35 26 23	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318	95 87 82 92 87 82 79 74	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135	7 8 12 5 8 7 8 11 5	20 20 23 33 36 35 26 23 29	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318 0.0138	95 87 82 92 87 82 79 74 78 76	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135 50-122	7 8 12 5 8 7 8 11 5	20 20 23 33 36 35 26 23 29 20	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73 1.40 1.87	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318 0.0138 0.337	95 87 82 92 87 82 79 74 78 76	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135 50-122 49-132	7 8 12 5 8 7 8 11 5 9	20 20 23 33 36 35 26 23 29 20 43	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73 1.40 1.87 2.21	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318 0.0138 0.337 0.776	95 87 82 92 87 82 79 74 78 76 85	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135 50-122 49-132 59-119	7 8 12 5 8 7 8 11 5 9	20 20 23 33 36 35 26 23 29 20 43 20	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73 1.40 1.87 2.21	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318 0.0138 0.337 0.776	95 87 82 92 87 82 79 74 78 76 85 79 78	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135 50-122 49-132 59-119 50-120	7 8 12 5 8 7 8 11 5 9 9 5	20 20 23 33 36 35 26 23 29 20 43 20 28	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73 1.40 1.87 2.21 1.45 3.06	0.0174 mg/Kg dr 0.0174 mg/Kg dr	y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318 0.0138 0.337 0.776 0.0286 1.62	95 87 82 92 87 82 79 74 78 76 85 79 78	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135 50-122 49-132 59-119 50-120 69-117	7 8 12 5 8 7 8 11 5 9 9 5 8 0.2	20 20 23 33 36 35 26 23 29 20 43 20 28 20	
Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene	1.75 1.76 1.84 1.67 1.56 1.48 1.37 1.73 1.40 1.87 2.21 1.45 3.06 3.88	0.0174 mg/Kg dr	y 1.816 y 1.816	0.218 0.170 0.264 0.166 0.0955 0.0751 0.0537 0.0194 0.318 0.0138 0.337 0.776 0.0286 1.62 2.62	95 87 82 92 87 82 79 74 78 76 85 79 78	57-119 59-115 58-114 47-127 46-127 48-125 48-120 47-125 49-135 50-122 49-132 59-119 50-120 69-117 56-126	7 8 12 5 8 7 8 11 5 9 9 5 8 0.2 2	20 20 23 33 36 35 26 23 29 20 43 20 28 20	

# **Certified Analyses included in this Report**

Analyte	CAS#	Certifications
SM2540G in Solid		
Total Solids	Moist	WDNR,DoD
SW8260B/D in Solid		
Benzene	71-43-2	WDNR,DoD,ILEPA
Ethylbenzene	100-41-4	WDNR,DoD,ILEPA
Toluene	108-88-3	AKDEC,WDNR,DoD,ILEPA
Xylenes, Total	1330-20-7	WDNR,DoD,ILEPA
SW8270D SIM in Solid		
Acenaphthene	83-32-9	DoD,WDNR
Acenaphthylene	208-96-8	DoD,WDNR
Anthracene	120-12-7	DoD,WDNR
Benzo(a)anthracene	56-55-3	DoD,WDNR
Benzo(a)pyrene	50-32-8	DoD,WDNR
Benzo(b)fluoranthene	205-99-2	DoD,WDNR
Benzo(g,h,i)perylene	191-24-2	DoD,WDNR
Benzo(k)fluoranthene	207-08-9	DoD,WDNR
Chrysene	218-01-9	DoD,WDNR
Dibenzo(a,h)anthracene	53-70-3	DoD,WDNR
Fluoranthene	206-44-0	DoD,WDNR
Fluorene	86-73-7	DoD,WDNR
Indeno(1,2,3-cd)pyrene	193-39-5	DoD,WDNR
Naphthalene	91-20-3	DoD,WDNR
Phenanthrene	85-01-8	DoD,WDNR
Pyrene	129-00-0	DoD,WDNR

#### **List of Certifications**

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	05/31/2022
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	03/31/2022
DoD	Department of Defense, Accredited by PJLA	L20-164-R2	03/31/2022
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562021-6	07/27/2022
ISO	ISO/IEC 17025:2017, Accredited by PJLA	L20-165	03/31/2022
NEFAP	TNI National Environmental Field Activities Program	L20-166	03/31/2022
TX	Texas Commission of Environmental Quality	T104704554-20-5	10/31/2022
WA	Washington State Department of Ecology	C1057	01/06/2023
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2022

#### **Qualifiers and Definitions**

Item	Description
S %Rec	The quality control sample recovery is outside of the laboratory control limits.  Percent Recovery



# ENVIRONMENT Filing: Received, Clerk's Office 10/27/2022 MONITORING AN Custody TECHNOLOGIES, IN

509 N. 3rd Avenue

Des Plaines, IL 60016

PM: Arminta Priddy EPS Environmental Services, Inc. NELAC

**Custody Record** 

TURNAROUND TIME:	
RUSH	
day turnaround	
ROUTINE	

COC # 244096 Due Date

Company: EPS Endadress: 7237 Unicago  Phone #: (773) 792  Phone #: (773) 792  Phone #: (773) 792  Phone #: (773) 792  Phone #: (773) 792	-309	Devoninois  Devon  Propries	AVU 606: ax #: 77 roj.#: 22	31 850	792 :	10	2. Drinkii 3. Soil Contair P - Plasti G - Glas Preserv 1. None	ner Type ic V- ss B- rative:	e: VOC Vial Tedlar Bag IaOH 7.	O - Oth	8. Other	dwater (filt	ered)		nalyses	EMT USE ONLY EMT WORKORDE
Sample I.D.	Sample Type	Size	Type Type	No.	Bý	Date	ampling Time		Temp.	To A Value	ervation Lab	17	¥///	1//	////	# 22C0995
6-1	- 2-	40ml/407	Type	4/1		3/4/22		ρп		6,84	LUD	1				A-E
5-2	2011	1902	9	4-	THE CO	acya	9:30		1	11		VV				1 A-E
5-3				1			10:00	-		+		-/1/				3 A-E
5-4				1			10:45									A-E
				+	++		12:00			1		1/				A-E
5-5 56						3/25/2						1./		++		A-E
5-7				+		0/10/11	11:00					//				A-E
5-8							11:30			+		VV				3 A-E
S-BF				1		3/4/2	-		- A			11				A-E
elinquished By:		Date: 3	-25-	27	Receiv	red By:			Date: 4	7 - 28	-2023	EMT US	SE ONLY		SAMPLE RE	CEIVED
luste Douted			1:3			w En	estian	1	Time:	_		Client	Code:	,	ON ICE	IDE
elinquished By:	. [	Date: 03		2012		Received By:				EMT Project I.D.		1				
elinquished By:	- [	Date: ime:			Receiv	· P For Fo					Jar Lot	No.			LE RETURN ON BACK	

# Electronic Fann Rec Rescripte fklaeofklis to 0/27/2022

Work Order: 22C0995

Printed: 3/28/2022 4:23:49PM

			<del></del>
Client: EPS Environmental Services, Inc. Project: NELAC		Date Due:	Monday, April 4, 2022
Received By; Jennifer Schultz		Date Received:	03/28/22 15:32
Logged In By: Jennifer Schultz		Date Logged In:	03/28/22 16:22
. How were samples received?	EMT	Sample Receipt	Comments
Cooler temperature at or below 6 degrees Celsius	Yes	Work Order: 22 The samples we	<b>:C0995</b> ere received on 03/28/22 15:32. The temperature of the cooler(s)
Chain of Custody present and properly completed	Yes	at receipt was:	· ,
Turn Around Time is indicated and specified	Yes	Cooler	Temp C°
Chain of Custody agrees with sample labels	Yes	Default Cooler	4.9
Samples received within hold time	Yes	and t	
Proper sample containers received intact	Yes *	The samples we	ere received in good condition and were properly preserved.
Containers properly preserved	Yes		
Sufficient Sample Volume	Yes		
Custody seals present	No		
Volatile water vials received	No		
Samples going out of hold time within 24 hours:			
	<del>_</del>		
<u> </u>		· **	

Page 24 of 24

Reviewed By:

Table of Contents

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

April 12, 2022

EPS Environmental, Inc. 7237 W. Devon Avenue Chicago, IL 60631

Telephone: (773) 792-3090 Fax: (773) 792-3091

Analytical Report for STAT Work Order: 22040078 Revision 0

RE: 22850-1020 CO#1, 2525 Greenleaf Lane, North Chicago, Illinois

Dear EPS Environmental, Inc.:

STAT Analysis received 2 samples for the referenced project on 4/4/2022 4:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Justice Kwateng

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

# **STAT** Analysis Corporation

**Date:** April 12, 2022

Client: EPS Environmental, Inc.

Project: 22850-1020 CO#1, 2525 Greenleaf Lane, North Chica Work Order Sample Summary

Work Order: 22040078 Revision 0

Lab Sample ID Client Sample ID	Tag Number	<b>Collection Date</b>	Date Received	
22040078-001A S-9		4/1/2022 11:00:00 AM	4/4/2022	
22040078-001B S-9		4/1/2022 11:00:00 AM	4/4/2022	
22040078-002A S-10		4/1/2022 11:30:00 AM	4/4/2022	
22040078-002B S-10		4/1/2022 11:30:00 AM	4/4/2022	

# Electronic Filing: Received, Clerk's Office 10/27/2022 Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

22850-1020 CO#1, 2525 Greenleaf Lane, North Ch

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

**Date Reported:** April 12, 2022

**ANALYTICAL RESULTS** 

**Date Printed:** April 12, 2022

**Client:** EPS Environmental, Inc.

Client Sample ID: S-9

Work Order: 22040078 Revision 0

**Collection Date:** 4/1/2022 11:00:00 AM

Matrix: Soil

**Lab ID:** 22040078-001

**Project:** 

Analyses	Result	RL Q	ualifier Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5	035/8260B	Prep	Date: <b>4/5/2022</b>	Analyst: CBG
Benzene	ND	0.0036	mg/Kg-dry	1	4/6/2022
Ethylbenzene	ND	0.0036	mg/Kg-dry	1	4/6/2022
Toluene	ND	0.0036	mg/Kg-dry	1	4/6/2022
Xylenes, Total	ND	0.011	mg/Kg-dry	1	4/6/2022
Polynuclear Aromatic Hydrocarbons by G	C/MS SW8	270C (SW35	50B) Prep	Date: <b>4/5/2022</b>	Analyst: <b>TEM</b>
Acenaphthene	ND	0.039	mg/Kg-dry	1	4/7/2022
Acenaphthylene	ND	0.039	mg/Kg-dry	1	4/7/2022
Anthracene	ND	0.039	mg/Kg-dry	1	4/7/2022
Benz(a)anthracene	ND	0.039	mg/Kg-dry	1	4/7/2022
Benzo(a)pyrene	ND	0.039	mg/Kg-dry	1	4/7/2022
Benzo(b)fluoranthene	ND	0.039	mg/Kg-dry	1	4/7/2022
Benzo(g,h,i)perylene	ND	0.039	mg/Kg-dry	1	4/7/2022
Benzo(k)fluoranthene	ND	0.039	mg/Kg-dry	1	4/7/2022
Chrysene	ND	0.039	mg/Kg-dry	1	4/7/2022
Dibenz(a,h)anthracene	ND	0.039	mg/Kg-dry	1	4/7/2022
Fluoranthene	ND	0.039	mg/Kg-dry	1	4/7/2022
Fluorene	ND	0.039	mg/Kg-dry	1	4/7/2022
Indeno(1,2,3-cd)pyrene	ND	0.039	mg/Kg-dry	1	4/7/2022
Naphthalene	ND	0.039	mg/Kg-dry	1	4/7/2022
Phenanthrene	0.057	0.039	mg/Kg-dry	1	4/7/2022
Pyrene	ND	0.039	mg/Kg-dry	1	4/7/2022
Percent Moisture	D297	4	Prep	Date: <b>4/11/2022</b>	Analyst: <b>HYM</b>
Percent Moisture	14.4	0.2	* wt%	1	4/12/2022

ND - Not Detected at the Reporting Limit

**Qualifiers:** J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

AR000062

# Electronic Filing: Received, Clerk's Office 10/27/2022 **STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

**Date Reported:** April 12, 2022

**ANALYTICAL RESULTS** 

**Date Printed:** April 12, 2022

**Client:** EPS Environmental, Inc.

22040078 Revision 0

**Project:** 22850-1020 CO#1, 2525 Greenleaf Lane, North Ch

Matrix: Soil

**Collection Date:** 4/1/2022 11:30:00 AM

**Lab ID:** 22040078-002

Work Order:

Analyses	Result	RL (	Qualifier Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5	035/8260B	Prep	Date: <b>4/5/2022</b>	Analyst: CBG
Benzene	ND	0.0036	mg/Kg-dry	1	4/6/2022
Ethylbenzene	ND	0.0036	mg/Kg-dry	1	4/6/2022
Toluene	ND	0.0036	mg/Kg-dry	1	4/6/2022
Xylenes, Total	ND	0.011	mg/Kg-dry	1	4/6/2022
Polynuclear Aromatic Hydrocarbons by GC	C/MS SW8	270C (SW3	<b>550B)</b> Prep	Date: <b>4/5/2022</b>	Analyst: <b>TEM</b>
Acenaphthene	ND	0.038	mg/Kg-dry	1	4/7/2022
Acenaphthylene	ND	0.038	mg/Kg-dry	1	4/7/2022
Anthracene	ND	0.038	mg/Kg-dry	1	4/7/2022
Benz(a)anthracene	ND	0.038	mg/Kg-dry	1	4/7/2022
Benzo(a)pyrene	ND	0.038	mg/Kg-dry	1	4/7/2022
Benzo(b)fluoranthene	ND	0.038	mg/Kg-dry	1	4/7/2022
Benzo(g,h,i)perylene	ND	0.038	mg/Kg-dry	1	4/7/2022
Benzo(k)fluoranthene	ND	0.038	mg/Kg-dry	1	4/7/2022
Chrysene	ND	0.038	mg/Kg-dry	1	4/7/2022
Dibenz(a,h)anthracene	ND	0.038	mg/Kg-dry	1	4/7/2022
Fluoranthene	ND	0.038	mg/Kg-dry	1	4/7/2022
Fluorene	ND	0.038	mg/Kg-dry	1	4/7/2022
Indeno(1,2,3-cd)pyrene	ND	0.038	mg/Kg-dry	1	4/7/2022
Naphthalene	ND	0.038	mg/Kg-dry	1	4/7/2022
Phenanthrene	0.053	0.038	mg/Kg-dry	1	4/7/2022
Pyrene	ND	0.038	mg/Kg-dry	1	4/7/2022
Percent Moisture	D297	<b>'</b> 4	Prep	Date: <b>4/11/2022</b>	Analyst: <b>HYM</b>
Percent Moisture	13.9	0.2	* wt%	1	4/12/2022

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

AR000063

# STAT Analysis Corporation Electronic Filing: Received, Clerk's Office 10/27/2022

2242 W. Harrison Suite 200, Chicago, Illinois 60612 Phone; (312) 733-0551 Fax: (312) 733-2386 №. 933928 e-mail address: STATinfo@STATAnalysis.com Page: CHAIN OF CUSTODY RECORD EPS ENVIRONMENTEL 22850-1020 CO+1 Ouote No.: Company: Project Number: Client Tracking No.: P.O. No.: Project Name: 2525 GREENLEAF LANT, NERTH CHICAGO, TUNNIC Project Location: Sampler(s): Phone: 773) 782- 3298 Report To: Turn Around Time (Days): 1773)792-3091 Fax: Results Needed: OC Level: 1 3 e-mail: DEDTONIBLETING No. of am/pm Time Client Sample Number/Description: Date Taken Taken Containers Additional Information: Lab No.: 001 1100 5276 5-10 082 1137 512 Date/Time: 4/1/22 1300 Laboratory Work Order No.: Relinquished by: (Signature) 22040078 Received by: (Signature) Relinquished by: (Signature) 💪 Date/Time: 4-4-22 (6.00 Received on Ice: Yes No Received by: (Signature) Preservation Code: A = None B = HNO; C = NaOH Relinquished by: (Signature) Date/Time: Temperature: 7.5 °C  $D = H_2SO_4$  E = HCl F = 5035/EnCore G = OtherReceived by: (Signature) Date/Time:

# **STAT** Analysis Corporation

# Sample Receipt Checklist

Client Name EPS		Date and Tim	e Received:	4/4/2022 4:00:00 PM				
Work Order Number 22040078		Received by:	ЈМН					
Checklist completed by:  Signature  Date	1/27	Reviewed by:	Initials	4/5/22 Date				
Matrix: Carrier name	STAT Analysis							
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present					
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗸					
Custody seals intact on sample bottles?	Yes	No $\square$	Not Present 🗹					
Chain of custody present?	Yes 🗸	No $\square$						
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗆						
Chain of custody agrees with sample labels/containers?	Yes 🗸	No $\square$						
Samples in proper container/bottle?	Yes 🗸	No $\square$						
Sample containers intact?	Yes 🗸	No $\square$						
Sufficient sample volume for indicated test?	Yes 🗸	No $\square$						
All samples received within holding time?	Yes 🗸	No 🗌						
Container or Temp Hank temperature in compliance?	Yes 🗸	No 🗆	Temperature	2.5 °C				
Water - VOA vials have zero headspace? No VOA vials subm	nitted	Yes	No 🖺					
Water - Samples pH checked?	Yes	No 💹	Checked by:					
Water - Samples properly preserved?	Yes	No 📓	pH Adjusted?					
Any No response must be detailed in the comments section below.	Any No response must be detailed in the comments section below.							
Comments:								
Client / Person Date contacted:		Cont	acted by:					
Response:								

# **Analytical Report**

Nick Cuzzone
EPS Environmental Services, Inc.
7237 W. Devon Avenue
Chicago, IL 60631-1621

April 13, 2022

Work Order: 22D0347

RE: NELAC

2525 Greenfield Lane, North Chicago, IL

Dear Nick Cuzzone:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,

Arminta Priddy Project Manager 847.967.6666

apriddy@emt.com

Approved for release: 4/13/2022 4:31:07PM

Cermento P Pudoly

Approved by,

Nathan Fey

**Laboratory Operations Manager** 

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 1002562021-6



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Chain of Custody	27

# **Sample Summary**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-11	22D0347-01	Soil	04/06/22 08:00	04/06/22 16:55
S-12	22D0347-02	Soil	04/06/22 08:15	04/06/22 16:55
S-13	22D0347-03	Soil	04/06/22 09:00	04/06/22 16:55
S-14	22D0347-04	Soil	04/06/22 09:15	04/06/22 16:55
S-15	22D0347-05	Soil	04/06/22 11:00	04/06/22 16:55
S-16	22D0347-06	Soil	04/06/22 11:45	04/06/22 16:55
S-17	22D0347-07	Soil	04/06/22 13:15	04/06/22 16:55

#### **Case Narrative**

Client: EPS Environmental Services, Inc. Date: 04/13/2022

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

Work Order: 22D0347

The samples were received on 04/06/22 16:55. The temperature of the cooler(s) at receipt was:

<u>Cooler</u> <u>Temp C°</u> Default Cooler 4.9

The samples were received in good condition and were properly preserved.

#### **GCMS Volatiles**

#### 8260B VOC 5035 LOW

22D0347-01: The surrogate spike compounds 4-bromofluorobenzene and 1,2-dichlorobenzene-d4 recovered outside control criteria (82% - 137% and 77% - 142%, respectfully) at 38% and 39% (also respectfully). As all other pertinent quality indicators were acceptable, these exceedances would be attributed to sample matrix.

22D0347-02: The internal standards for the sample recovered below criteria (50% - 200%) all in the range of 16% to 19%. This data is from a reanalysis with the sample exhibiting similiar behavior in the initial analysis. This would indicate the recovery exceedances were due to sample matrix.

22D0347-03: Similar to sample 02, the internal standards also exceeded criteria falling in the range of 36% to 40%. This data is also from reanalysis and again with the initial analysis exhibiting similar recovery. This would indicate the recovery exceedances were due to sample matrix.

22D0347-05, 06, 07: Internal standards for these samples recovered outside control criteria (50% - 200%) ranging from 41% to 47%. In all cases this data is from sample reanalysis with the initial data having similar results. This would indicate the exceedances are due to sample matrix.

#### **Client Sample Results**

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-11

Report Date: 04/13/2022

Collection Date: 04/06/2022 08:00

Matrix: Soil

		EMT						
Analyses	Result	Reporting Limit	Oual	Units		Date/Time Analyzed	Batch	Analyst
Allaryses	Nesuit	Lilling	Quai	Office		Analyzeu	Daton	Allalyst
Wet Chemistry								
Method: SM25	40G							
Total Solids	86.6	0.100		% (Percent)		04/07/22 05:41	B2D0197	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW82	60B/D / SW50	35						
Benzene	< 0.00173	0.00173		mg/Kg dry		04/07/22 17:53	B2D0361	KS1
Ethylbenzene	< 0.00692	0.00692		mg/Kg dry		04/07/22 17:53	B2D0361	KS1
Toluene	< 0.00173	0.00173		mg/Kg dry		04/07/22 17:53	B2D0361	KS1
Xylenes, Total	< 0.0104	0.0104		mg/Kg dry		04/07/22 17:53	B2D0361	KS1
Surrogate: Dibromofluoromethane				Recovery: 99%	Limits: 86-150	04/07/22 17:53	B2D0361	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 106%	Limits: 89-150	04/07/22 17:53	B2D0361	KS1
Surrogate: Fluorobenzene				Recovery: 105%	Limits: 88-111	04/07/22 17:53	B2D0361	KS1
Surrogate: Toluene-d8				Recovery: 100%	Limits: 66-113	04/07/22 17:53	B2D0361	KS1
Surrogate: 4-Bromofluorobenzene			S	Recovery: 38%	Limits: 82-137	04/07/22 17:53	B2D0361	KS1
Surrogate: 1,2-Dichlorobenzene-d4			S	Recovery: 39%	Limits: 77-142	04/07/22 17:53	B2D0361	KS1
Semivolatile Organic Compo Method: SW82	-							
Acenaphthene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Acenaphthylene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Anthracene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Benzo(a)anthracene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Benzo(a)pyrene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Chrysene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Fluoranthene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Fluorene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Naphthalene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Phenanthrene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Pyrene	< 0.0175	0.0175		mg/Kg dry		04/11/22 15:05	B2D0275	kp2
Surrogate: 2-Methylnaphthalene-d10	)			Recovery: 77%	Limits: 58-127	04/11/22 15:05	B2D0275	kp2

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-12

Report Date: 04/13/2022

Collection Date: 04/06/2022 08:15

Matrix: Soil

		EMT						
Analyses	Result	Reporting Limit Q	leu	Units		Date/Time Analyzed	Batch	Analyst
	Nesun	Lillin G	tuai	Onits		Analyzeu	Daton	Allalyst
Wet Chemistry								
Method: SM25	40G							
Total Solids	82.2	0.100		% (Percent)		04/07/22 05:43	B2D0197	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW82	60B/D / SW50	35						
Benzene	0.00247	0.00159		mg/Kg dry		04/08/22 17:09	B2D0362	KS1
Ethylbenzene	< 0.00635	0.00635		mg/Kg dry		04/08/22 17:09	B2D0362	KS1
Toluene	0.00202	0.00159		mg/Kg dry		04/08/22 17:09	B2D0362	KS1
Xylenes, Total	< 0.00953	0.00953		mg/Kg dry		04/08/22 17:09	B2D0362	KS1
Surrogate: Dibromofluoromethane				Recovery: 111%	Limits: 86-150	04/08/22 17:09	B2D0362	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 109%	Limits: 89-150	04/08/22 17:09	B2D0362	KS1
Surrogate: Fluorobenzene				Recovery: 102%	Limits: 88-111	04/08/22 17:09	B2D0362	KS1
Surrogate: Toluene-d8				Recovery: 100%	Limits: 66-113	04/08/22 17:09	B2D0362	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 116%	Limits: 82-137	04/08/22 17:09	B2D0362	KS1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 110%	Limits: 77-142	04/08/22 17:09	B2D0362	KS1
Semivolatile Organic Compo Method: SW82	-							
Acenaphthene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Acenaphthylene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Anthracene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Benzo(a)anthracene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Benzo(a)pyrene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Chrysene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Fluoranthene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Fluorene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Naphthalene	< 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
·				mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Phenanthrene	0.0469	0.0187						
·	<b>0.0469</b> < 0.0187	0.0187		mg/Kg dry		04/11/22 15:25	B2D0275	kp2
Phenanthrene	< 0.0187				Limits: 58-127	04/11/22 15:25 04/11/22 15:25	B2D0275 B2D0275	kp2 kp2

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-13

Report Date: 04/13/2022

**Collection Date:** 04/06/2022 09:00

Matrix: Soil

		EMT Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Vet Chemistry								
Method: SM254	0G							
Total Solids	86.8	0.100		% (Percent)		04/07/22 05:45	B2D0197	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW826	60B/D / SW50	35						
Benzene	0.00329	0.00148		mg/Kg dry		04/08/22 17:34	B2D0362	KS1
Ethylbenzene	< 0.00593	0.00593		mg/Kg dry		04/08/22 17:34	B2D0362	KS1
Toluene	0.00612	0.00148		mg/Kg dry		04/08/22 17:34	B2D0362	KS1
Xylenes, Total	< 0.00890	0.00890		mg/Kg dry		04/08/22 17:34	B2D0362	KS1
Surrogate: Dibromofluoromethane				Recovery: 108%	Limits: 86-150	04/08/22 17:34	B2D0362	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 102%	Limits: 89-150	04/08/22 17:34	B2D0362	KS1
Surrogate: Fluorobenzene				Recovery: 102%	Limits: 88-111	04/08/22 17:34	B2D0362	KS1
Surrogate: Toluene-d8				Recovery: 100%	Limits: 66-113	04/08/22 17:34	B2D0362	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 106%	Limits: 82-137	04/08/22 17:34	B2D0362	KS1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 113%	Limits: 77-142	04/08/22 17:34	B2D0362	KS1
Semivolatile Organic Compou Method: SW827	-							
Acenaphthene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Acenaphthylene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Anthracene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Benzo(a)anthracene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Benzo(a)pyrene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Chrysene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Fluoranthene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Fluorene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Naphthalene	1.14	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Phenanthrene	0.0206	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Pyrene	< 0.0163	0.0163		mg/Kg dry		04/11/22 15:46	B2D0275	kp2
Surrogate: 2-Methylnaphthalene-d10				Recovery: 68%	Limits: 58-127	04/11/22 15:46	B2D0275	kp2
				=				-

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-14

Report Date: 04/13/2022

Collection Date: 04/06/2022 09:15

Matrix: Soil

		EMT Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM25	540G							
Total Solids	88.2	0.100		% (Percent)		04/07/22 05:47	B2D0197	MKP
Volatile Organic Compounds	s bv GC/MS							
Method: SW82	-							
Benzene	< 0.000832	0.000832		mg/Kg dry		04/07/22 19:08	B2D0361	KS1
Ethylbenzene	< 0.00333	0.00333		mg/Kg dry		04/07/22 19:08	B2D0361	KS1
Toluene	< 0.000832	0.000832		mg/Kg dry		04/07/22 19:08	B2D0361	KS1
Xylenes, Total	< 0.00499	0.00499		mg/Kg dry		04/07/22 19:08	B2D0361	KS1
Surrogate: Dibromofluoromethane				Recovery: 103%	Limits: 86-150	04/07/22 19:08	B2D0361	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 101%	Limits: 89-150	04/07/22 19:08	B2D0361	KS1
Surrogate: Fluorobenzene				Recovery: 104%	Limits: 88-111	04/07/22 19:08	B2D0361	KS1
Surrogate: Toluene-d8				Recovery: 111%	Limits: 66-113	04/07/22 19:08	B2D0361	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 121%	Limits: 82-137	04/07/22 19:08	B2D0361	KS1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 113%	Limits: 77-142	04/07/22 19:08	B2D0361	KS1
Semivolatile Organic Compo Method: SW82	=							
Acenaphthene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Acenaphthylene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Anthracene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Benzo(a)anthracene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Benzo(a)pyrene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Chrysene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Fluoranthene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Fluorene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Naphthalene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Phenanthrene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Pyrene	< 0.0176	0.0176		mg/Kg dry		04/11/22 16:05	B2D0275	kp2
Surrogate: 2-Methylnaphthalene-d1	0			Recovery: 79%	Limits: 58-127	04/11/22 16:05	B2D0275	kp2
Surrogate: Fluoranthene-d10				Recovery: 78%	Limits: 42-130	04/11/22 16:05	B2D0275	kp2

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-15

Report Date: 04/13/2022

Collection Date: 04/06/2022 11:00

Matrix: Soil

		EMT Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Wet Chemistry								
Method: SM254	10G							
Total Solids	86.7	0.100		% (Percent)		04/07/22 05:49	B2D0197	MKP
Volatile Organic Compounds	bv GC/MS							
Method: SW820	-	35						
Benzene	< 0.00153	0.00153		mg/Kg dry		04/07/22 19:33	B2D0361	KS1
Ethylbenzene	< 0.00613	0.00613		mg/Kg dry		04/07/22 19:33	B2D0361	KS1
Toluene	< 0.00153	0.00153		mg/Kg dry		04/07/22 19:33	B2D0361	KS1
Xylenes, Total	< 0.00920	0.00920		mg/Kg dry		04/07/22 19:33	B2D0361	KS1
Surrogate: Dibromofluoromethane				Recovery: 102%	Limits: 86-150	04/07/22 19:33	B2D0361	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 102%	Limits: 89-150	04/07/22 19:33	B2D0361	KS1
Surrogate: Fluorobenzene				Recovery: 102%	Limits: 88-111	04/07/22 19:33	B2D0361	KS1
Surrogate: Toluene-d8				Recovery: 104%	Limits: 66-113	04/07/22 19:33	B2D0361	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 113%	Limits: 82-137	04/07/22 19:33	B2D0361	KS1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 109%	Limits: 77-142	04/07/22 19:33	B2D0361	KS1
Semivolatile Organic Compo Method: SW82	=							
Acenaphthene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Acenaphthylene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Anthracene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Benzo(a)anthracene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Benzo(a)pyrene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Chrysene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Fluoranthene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Fluorene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Naphthalene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Phenanthrene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Pyrene	< 0.0184	0.0184		mg/Kg dry		04/11/22 16:26	B2D0275	kp2
Surrogate: 2-Methylnaphthalene-d10				Recovery: 82%	Limits: 58-127	04/11/22 16:26	B2D0275	kp2
Surrogate: Fluoranthene-d10				Recovery: 82%	Limits: 42-130	04/11/22 16:26	B2D0275	kp2

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-16

Report Date: 04/13/2022

**Collection Date:** 04/06/2022 11:45

Matrix: Soil

		EMT						
Analyses	Result	Reporting Limit C	ual	Units		Date/Time Analyzed	Batch	Analyst
Allalyses	Nesuit	LIIIII G	uai	Onits		Allalyzeu	Datcii	Allalyst
Wet Chemistry								
Method: SM254	40G							
Total Solids	86.5	0.100		% (Percent)		04/07/22 05:51	B2D0197	MKP
Volatile Organic Compounds	by GC/MS							
Method: SW82	60B/D / SW50	35						
Benzene	< 0.00145	0.00145		mg/Kg dry		04/07/22 19:57	B2D0361	KS1
Ethylbenzene	< 0.00580	0.00580		mg/Kg dry		04/07/22 19:57	B2D0361	KS1
Toluene	< 0.00145	0.00145		mg/Kg dry		04/07/22 19:57	B2D0361	KS1
Xylenes, Total	< 0.00871	0.00871		mg/Kg dry		04/07/22 19:57	B2D0361	KS1
Surrogate: Dibromofluoromethane				Recovery: 99%	Limits: 86-150	04/07/22 19:57	B2D0361	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 107%	Limits: 89-150	04/07/22 19:57	B2D0361	KS1
Surrogate: Fluorobenzene				Recovery: 103%	Limits: 88-111	04/07/22 19:57	B2D0361	KS1
Surrogate: Toluene-d8				Recovery: 106%	Limits: 66-113	04/07/22 19:57	B2D0361	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 109%	Limits: 82-137	04/07/22 19:57	B2D0361	KS1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 112%	Limits: 77-142	04/07/22 19:57	B2D0361	KS1
Semivolatile Organic Compo	unde by GC	·/MC						
Method: SW82	-							
Acenaphthene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Acenaphthylene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Anthracene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Benzo(a)anthracene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Benzo(a)pyrene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Chrysene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Fluoranthene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Fluorene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Naphthalene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Phenanthrene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Pyrene	< 0.0164	0.0164		mg/Kg dry		04/11/22 16:47	B2D0275	kp2
Surrogate: 2-Methylnaphthalene-d10	)			Recovery: 79%	Limits: 58-127	04/11/22 16:47	B2D0275	kp2

#### **Client Sample Results**

(Continued)

Client: EPS Environmental Services, Inc.

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Client Sample ID: S-17

Report Date: 04/13/2022

**Collection Date:** 04/06/2022 13:15

Matrix: Soil

		EMT						
Amalyana	Result	Reporting Limit Q		Units		Date/Time	Detak	Amalust
Analyses	Result	Limit Q	uai	Units		Analyzed	Batch	Analyst
Vet Chemistry								
Method: SM254	40G							
Total Solids	86.9	0.100		% (Percent)		04/07/22 05:53	B2D0197	MKP
/olatile Organic Compounds	by GC/MS							
Method: SW82	60B/D / SW50	35						
Benzene	< 0.00143	0.00143		mg/Kg dry		04/07/22 20:22	B2D0361	KS1
Ethylbenzene	< 0.00571	0.00571		mg/Kg dry		04/07/22 20:22	B2D0361	KS1
Toluene	< 0.00143	0.00143		mg/Kg dry		04/07/22 20:22	B2D0361	KS1
Xylenes, Total	< 0.00856	0.00856		mg/Kg dry		04/07/22 20:22	B2D0361	KS1
Surrogate: Dibromofluoromethane				Recovery: 105%	Limits: 86-150	04/07/22 20:22	B2D0361	KS1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 103%	Limits: 89-150	04/07/22 20:22	B2D0361	KS1
Surrogate: Fluorobenzene				Recovery: 107%	Limits: 88-111	04/07/22 20:22	B2D0361	KS1
Surrogate: Toluene-d8				Recovery: 103%	Limits: 66-113	04/07/22 20:22	B2D0361	KS1
Surrogate: 4-Bromofluorobenzene				Recovery: 109%	Limits: 82-137	04/07/22 20:22	B2D0361	KS1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 106%	Limits: 77-142	04/07/22 20:22	B2D0361	KS1
Semivolatile Organic Compo Method: SW82	-							
Acenaphthene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Acenaphthylene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Anthracene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Benzo(a)anthracene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Benzo(a)pyrene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Benzo(b)fluoranthene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Benzo(g,h,i)perylene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Benzo(k)fluoranthene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Chrysene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Dibenzo(a,h)anthracene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Fluoranthene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Fluorene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Indeno(1,2,3-cd)pyrene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Naphthalene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Phenanthrene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Pyrene	< 0.0167	0.0167		mg/Kg dry		04/11/22 17:07	B2D0275	kp2
Surrogate: 2-Methylnaphthalene-d10	)			Recovery: 78%	Limits: 58-127	04/11/22 17:07	B2D0275	kp2
Surrogate: Fluoranthene-d10				Recovery: 67%	Limits: 42-130	04/11/22 17:07	B2D0275	kp2

#### **Dates Report**

Client: EPS Environmental Services, Inc. Report Date: 04/13/2022

Project: NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
22D0347-01	S-11	04/06/22	Soil	Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:41	B2D0197	- Coquoco
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 15:05	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/07/22 09:45	04/07/22 17:53	B2D0361	S2D0129
22D0347-02	S-12	04/06/22		Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:43	B2D0197	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 15:25	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/08/22 09:12	04/08/22 17:09	B2D0362	S2D0164
22D0347-03	S-13	04/06/22		Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:45	B2D0197	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 15:46	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/08/22 09:12	04/08/22 17:34	B2D0362	S2D0164
22D0347-04	S-14	04/06/22		Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:47	B2D0197	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 16:05	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/07/22 09:45	04/07/22 19:08	B2D0361	S2D0129
22D0347-05	S-15	04/06/22		Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:49	B2D0197	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 16:26	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/07/22 09:45	04/07/22 19:33	B2D0361	S2D0129
22D0347-06	S-16	04/06/22		Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:51	B2D0197	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 16:47	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/07/22 09:45	04/07/22 19:57	B2D0361	S2D0129
22D0347-07	S-17	04/06/22		Total Solids / Percent Moisture		04/07/22 05:19	04/07/22 05:53	B2D0197	
				Semivolatile Organic Compounds, SIM, PNAs by GC/MS		04/08/22 15:00	04/11/22 17:07	B2D0275	S2D0203
				Volatile Organic Compounds by GC/MS		04/07/22 09:45	04/07/22 20:22	B2D0361	S2D0129

## **Quality Control**

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

Project: NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

#### **Wet Chemistry**

Analysis	Describ	Reporting	l laita	Spike	Source	0/ DEC	%REC	DDD	RPD	Ovel
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual
Batch: B2D0197										
Blank (B2D0197-BLK1)				Prepared	: 04/07/2022	2 05:19	Analyzed: 0	4/07/2022	05:59	
Total Solids	< 0.0240	0.100	%							
LCS (B2D0197-BS1)				Prepared	: 04/07/2022	2 05:19	Analyzed: 0-	4/07/2022	06:01	
Total Solids	0.192	0.100	%	0.2040		94.2	85-102			
Duplicate (B2D0197-DUP1)		Source: 22D	00295-06	Prepared	: 04/07/2022	2 05:19	Analyzed: 0	4/07/2022	06:03	
Total Solids	54.2	0.100	%		54.8			1.17	5	
Duplicate (B2D0197-DUP2)		Source: 22D	00350-01	Prepared	: 04/07/2022	2 05:19	Analyzed: 0	4/07/2022	06:05	
Total Solids	90.8	0.100	%		91.5			0.764	5	

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

NELAC 2525 Greenfield Lane, North Chicago, IL Matrix: Solid

Work Order: 22D0347

Project:

# **Volatile Organic Compounds by GC/MS**

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

#### Batch: B2D0361 - SW5035

Blank (B2D0361-BLK1)			Prepared: 04/07/2022 10:00 Analyzed: 04/07/2022	13:12
1,1,1-Trichloroethane	< 0.000409	0.00200 mg/k	g wet	
1,1,2,2-Tetrachloroethane	< 0.000356	0.00200 mg/k	g wet	
1,1,2-Trichloroethane	< 0.000439	0.00200 mg/k	g wet	
1,1-Dichloroethane	< 0.000543		g wet	
1,1-Dichloroethene	< 0.000434	0.00200 mg/k	g wet	
1,2-Dibromo-3-chloropropane	< 0.00166	0.00800 mg/k	g wet	
1,2-Dibromoethane	< 0.000272	0.00200 mg/k	g wet	
1,2-Dichloroethane	< 0.000411	0.00200 mg/k	g wet	
1,2-Dichloropropane	< 0.000483	0.00200 mg/k	g wet	
1-Butanol	< 0.0290	0.200 mg/k	g wet	
2-Butanone	< 0.00681		g wet	
2-Hexanone	< 0.00531	0.0280 mg/k	g wet	
4-Methyl-2-pentanone	< 0.00408	0.0280 mg/k	g wet	
Acetone	< 0.0121	0.0700 mg/k	g wet	
Acrylonitrile	< 0.000980	0.00400 mg/k	g wet	
Benzene	< 0.000288	0.00200 mg/k	g wet	
Bromodichloromethane	< 0.000482	0.00200 mg/k	g wet	
Bromoform	< 0.000630	0.00400 mg/k	g wet	
Bromomethane	< 0.00240	0.0200 mg/k	g wet	
Carbon disulfide	< 0.000602	0.00400 mg/k	g wet	
Carbon tetrachloride	< 0.00279	0.0200 mg/k	g wet	
Chlorobenzene	< 0.000520	0.00400 mg/k	g wet	
Chloroethane	< 0.00141	0.00800 mg/k	g wet	
Chloroform	< 0.000731	0.00400 mg/k	g wet	
Chloromethane	< 0.00146	0.00800 mg/k	g wet	
cis-1,2-Dichloroethene	< 0.000570	0.00400 mg/k	g wet	
Dibromochloromethane	< 0.000476	0.00200 mg/k	g wet	
Ethylbenzene	< 0.00103	0.00800 mg/k	g wet	
m,p-Xylene	< 0.00162	0.00800 mg/k	g wet	
Methyl tert-butyl ether	< 0.000334	0.00200 mg/k	g wet	
Methylene chloride	< 0.00393	0.0200 mg/k	g wet	
o-Xylene	< 0.00102	0.00800 mg/k	g wet	
Styrene	< 0.00110	0.00800 mg/k	g wet	
Tetrachloroethene	< 0.000584	0.00400 mg/k	g wet	
Toluene	< 0.000362	0.00200 mg/k	g wet	
trans-1,2-Dichloroethene	< 0.000926	0.00400 mg/k	g wet	
Trichloroethene	< 0.000485	0.00200 mg/k	g wet	
Vinyl acetate	< 0.000510	•	g wet	
Vinyl chloride	< 0.000714	0.00400 mg/k	g wet	
Xylenes, Total	< 0.00256		g wet	
1,3-Dichloropropene, Total	< 0.000630	0.00400 mg/k	g wet	
Surrogate: Dibromofluoromethane	20.4	ug	/Kg 20.00 102 86-150	

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

Project: NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

# **Volatile Organic Compounds by GC/MS**

(Continued)

			(Continu	eu)						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch: B2D0361 - SW5035 (Continued)										
Blank (B2D0361-BLK1) (Continued)				Prepared:	04/07/2022	10:00	Analyzed: 04/	07/2022	13:12	
Surrogate: 1,2-Dichloroethane-d4	17.6		ug/Kg	20.00		88	89-150			S
Surrogate: Fluorobenzene	20.9		ug/Kg ug/Kg	20.00		105	88-111			3
Surrogate: Toluene-d8	21.8		ug/Kg	20.00		109	66-113			
Surrogate: 4-Bromofluorobenzene	9.88		ug/Kg	10.00		99	82-137			
Surrogate: 1,2-Dichlorobenzene-d4	20.3		ug/Kg	20.00		101	77-142			
LCS (B2D0361-BS1)				Prepared:	04/07/2022	10:00	Analyzed: 04/	07/2022	11:33	
1,1,1-Trichloroethane	0.0356	0.00200	mg/Kg wet	0.04000		89	80-127			
1,1,2,2-Tetrachloroethane	0.0330	0.00200	mg/Kg wet	0.04000		107	70-124			
1,1,2-Trichloroethane	0.0420	0.00200	mg/Kg wet	0.04000		92	78-121			
1,1-Dichloroethane	0.0385	0.00200	mg/Kg wet	0.04000		96	76-125			
1.1-Dichloroethene	0.0390	0.00400	mg/Kg wet	0.04000		97	70-123			
1,2-Dibromo-3-chloropropane	0.0395	0.00200	mg/Kg wet	0.04000		99	69-128			
1,2-Dibromoethane	0.0393	0.00000	mg/Kg wet	0.04000		93	78-122			
1,2-Dichloroethane	0.0370	0.00200	mg/Kg wet	0.04000		82	73-128			
	0.0330	0.00200	mg/Kg wet	0.04000		94	76-123			
1,2-Dichloropropane 1-Butanol	0.0375	0.00200	mg/Kg wet	0.4000		93	70-123 70-130			
2-Butanone	0.370	0.200	mg/Kg wet	0.4000		102	66-147			
2-Hexanone	0.142	0.0280	mg/Kg wet	0.1400		102	60-147			
4-Methyl-2-pentanone	0.140	0.0280	mg/Kg wet	0.1400		100	65-135			
Acetone	0.140	0.0280	mg/Kg wet	0.1400		91	36-164			
	0.126	0.0700		0.1400		98	65-134			
Acrylonitrile Benzene			mg/Kg wet				77-121			
Bromodichloromethane	0.0367 0.0349	0.00200 0.00200	mg/Kg wet	0.04000		92 87	77-121 75-127			
Bromoform	0.0349		mg/Kg wet	0.04000		97	67-132			
Bromomethane	0.0367	0.00400 0.0200	mg/Kg wet	0.04000		92	53-143			
			mg/Kg wet	0.04000		92 106	63-132			
Carbon disulfide Carbon tetrachloride	0.0423 0.0335	0.00400 0.0200	mg/Kg wet mg/Kg wet	0.04000		84	70-135			
Chlorobenzene	0.0335	0.0200	mg/Kg wet	0.04000 0.04000		93	70-135 73-123			
			0 0							
Chloroethane	0.0391	0.00800	mg/Kg wet	0.04000		98	59-139			
Chloroform	0.0348	0.00400	mg/Kg wet	0.04000		87 101	73-127			
Chloromethane	0.0403	0.00800	mg/Kg wet	0.04000		101	50-136			
cis-1,2-Dichloroethene	0.0386	0.00400	mg/Kg wet	0.04000		97	77-123			
Dibromochloromethane	0.0371	0.00200	mg/Kg wet	0.04000		93	74-126			
Ethylbenzene	0.0374	0.00800	mg/Kg wet	0.04000		93	76-122			
m,p-Xylene	0.0732	0.00800	mg/Kg wet	0.08000		92	77-124			
Methyl tert-butyl ether	0.0373	0.00200	mg/Kg wet	0.04000		93	78-124			
Methylene chloride	0.0363	0.0200	mg/Kg wet	0.04000		91	70-128			
o-Xylene	0.0386	0.00800	mg/Kg wet	0.04000		97	77-123			
Styrene	0.0379	0.00800	mg/Kg wet	0.04000		95	76-124			
Tetrachloroethene	0.0335	0.00400	mg/Kg wet	0.04000		84	73-125			
Toluene	0.0378	0.00200	mg/Kg wet	0.04000		95	77-121			

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

Project: NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

#### Volatile Organic Compounds by GC/MS

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

#### Batch: B2D0361 - SW5035 (Continued)

(									
LCS (B2D0361-BS1) (Continued)				Prepared: 04/07/2022	10:00	Analyzed: 04/0	7/2022	11:33	
trans-1,2-Dichloroethene	0.0390	0.00400	mg/Kg wet	0.04000	97	74-125			
Trichloroethene	0.0363	0.00200	mg/Kg wet	0.04000	91	72-126			
Vinyl acetate	0.0416	0.00400	mg/Kg wet	0.04000	104	50-151			
Vinyl chloride	0.0407	0.00400	mg/Kg wet	0.04000	102	56-135			
Xylenes, Total	0.112	0.0120	mg/Kg wet	0.1200	93	78-124			
1,3-Dichloropropene, Total	0.0723	0.00400	mg/Kg wet	0.08000	90	77-126			
Surrogate: Dibromofluoromethane	20.4		ug/Kg	20.00	102	86-150			
Surrogate: 1,2-Dichloroethane-d4	18.0		ug/Kg ug/Kg	20.00	90	89-150			
Surrogate: Fluorobenzene	20.7		ug/Kg	20.00	103	88-111			
Surrogate: Toluene-d8	21.3		ug/Kg	20.00	107	66-113			
Surrogate: 4-Bromofluorobenzene	10.2		ug/Kg	10.00	102	82-137			
Surrogate: 1,2-Dichlorobenzene-d4	19.7		ug/Kg	20.00	98	77-142			
LCS Dup (B2D0361-BSD1)				Prepared: 04/07/2022	10:00	Analyzed: 04/0	7/2022 1	11:58	
1,1,1-Trichloroethane	0.0357	0.00200	mg/Kg wet	0.04000	89	80-127	0.4	20	
1,1,2,2-Tetrachloroethane	0.0420	0.00200	mg/Kg wet	0.04000	105	70-124	2	20	
1.1.2-Trichloroethane	0.0354	0.00200	mg/Kg wet	0.04000	88	78-121	4	20	
1,1-Dichloroethane	0.0391	0.00400	mg/Kg wet	0.04000	98	76-125	1	20	
1,1-Dichloroethene	0.0389	0.00200	mg/Kg wet	0.04000	97	70-131	0.2	20	
1,2-Dibromo-3-chloropropane	0.0378	0.00800	mg/Kg wet	0.04000	95	69-128	4	20	
1,2-Dibromoethane	0.0374	0.00200	mg/Kg wet	0.04000	93	78-122	1	20	
1,2-Dichloroethane	0.0331	0.00200	mg/Kg wet	0.04000	83	73-128	0.3	20	
1,2-Dichloropropane	0.0388	0.00200	mg/Kg wet	0.04000	97	76-123	3	20	
1-Butanol	0.361	0.200	mg/Kg wet	0.4000	90	70-130	3	20	
2-Butanone	0.132	0.0280	mg/Kg wet	0.1400	94	66-147	8	20	
2-Hexanone	0.140	0.0280	mg/Kg wet	0.1400	100	60-145	4	20	
4-Methyl-2-pentanone	0.136	0.0280	mg/Kg wet	0.1400	97	65-135	2	20	
Acetone	0.118	0.0700	mg/Kg wet	0.1400	84	36-164	8	20	
Acrylonitrile	0.0357	0.00400	mg/Kg wet	0.04000	89	65-134	10	20	
Benzene	0.0376	0.00200	mg/Kg wet	0.04000	94	77-121	2	20	
Bromodichloromethane	0.0352	0.00200	mg/Kg wet	0.04000	88	75-127	0.9	20	
Bromoform	0.0400	0.00400	mg/Kg wet	0.04000	100	67-132	3	20	
Bromomethane	0.0361	0.0200	mg/Kg wet	0.04000	90	53-143	2	20	
Carbon disulfide	0.0432	0.00400	mg/Kg wet	0.04000	108	63-132	2	20	
Carbon tetrachloride	0.0344	0.0200	mg/Kg wet	0.04000	86	70-135	3	20	
Chlorobenzene	0.0379	0.00400	mg/Kg wet	0.04000	95	73-123	2	20	
Chloroethane	0.0352	0.00800	mg/Kg wet	0.04000	88	59-139	10	20	
Chloroform	0.0353	0.00400	mg/Kg wet	0.04000	88	73-127	1	20	
Chloromethane	0.0388	0.00400	mg/Kg wet	0.04000	97	50-136	4	20	
cis-1,2-Dichloroethene	0.0300	0.00400	mg/Kg wet	0.04000	98	77-123	1	20	
Dibromochloromethane	0.0330	0.00200	mg/Kg wet	0.04000	95	74-126	2	20	
Ethylbenzene	0.0379		mg/Kg wet	0.04000	95	76-122	1	20	
Laryinonizorio	0.0070	5.00000	g/itg wet	3.3 1000	50	10-122	'	20	

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

NELAC

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Project:

Report Date: 04/13/2022

Matrix: Solid

# Volatile Organic Compounds by GC/MS

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

#### Batch: B2D0361 - SW5035 (Continued)

LCS Dup (B2D0361-BSD1) (Continued)				Prepared: 04/07/2022	10:00	Analyzed: 04	/07/2022	11:58	
m,p-Xylene	0.0750	0.00800	mg/Kg wet	0.08000	94	77-124	2	20	
Methyl tert-butyl ether	0.0365	0.00200	mg/Kg wet	0.04000	91	78-124	2	20	
Methylene chloride	0.0369	0.0200	mg/Kg wet	0.04000	92	70-128	1	20	
o-Xylene	0.0391	0.00800	mg/Kg wet	0.04000	98	77-123	1	20	
Styrene	0.0377	0.00800	mg/Kg wet	0.04000	94	76-124	0.4	20	
Tetrachloroethene	0.0360	0.00400	mg/Kg wet	0.04000	90	73-125	7	20	
Toluene	0.0390	0.00200	mg/Kg wet	0.04000	98	77-121	3	20	
trans-1,2-Dichloroethene	0.0378	0.00400	mg/Kg wet	0.04000	95	74-125	3	20	
Trichloroethene	0.0364	0.00200	mg/Kg wet	0.04000	91	72-126	0.5	20	
Vinyl acetate	0.0413	0.00400	mg/Kg wet	0.04000	103	50-151	0.6	20	
Vinyl chloride	0.0399	0.00400	mg/Kg wet	0.04000	100	56-135	2	20	
Xylenes, Total	0.114	0.0120	mg/Kg wet	0.1200	95	78-124	2	20	
1,3-Dichloropropene, Total	0.0722	0.00400	mg/Kg wet	0.08000	90	77-126	0.08	20	
Surrogate: Dibromofluoromethane	20.6		ug/Kg	20.00	103	86-150			
Surrogate: 1,2-Dichloroethane-d4	18.1		ug/Kg	20.00	90	89-150			
Surrogate: Fluorobenzene	20.6		ug/Kg	20.00	103	88-111			
Surrogate: Toluene-d8	21.4		ug/Kg	20.00	107	66-113			
Surrogate: 4-Bromofluorobenzene	10.3		ug/Kg	10.00	103	82-137			
Surrogate: 1,2-Dichlorobenzene-d4	19.8		ug/Kg	20.00	99	77-142			

#### Batch: B2D0362 - SW5035

#### Blank (B2D0362-BLK1) Prepared: 04/08/2022 08:15 Analyzed: 04/08/2022 12:04

< 0.000409	0.00200	mg/Kg wet
< 0.000356	0.00200	mg/Kg wet
< 0.000439	0.00200	mg/Kg wet
< 0.000543	0.00400	mg/Kg wet
< 0.000434	0.00200	mg/Kg wet
< 0.00166	0.00800	mg/Kg wet
< 0.000272	0.00200	mg/Kg wet
< 0.000411	0.00200	mg/Kg wet
< 0.000483	0.00200	mg/Kg wet
< 0.0290	0.200	mg/Kg wet
< 0.00681	0.0280	mg/Kg wet
< 0.00531	0.0280	mg/Kg wet
< 0.00408	0.0280	mg/Kg wet
< 0.0121	0.0700	mg/Kg wet
< 0.000980	0.00400	mg/Kg wet
< 0.000288	0.00200	mg/Kg wet
< 0.000482	0.00200	mg/Kg wet
< 0.000630	0.00400	mg/Kg wet
< 0.00240	0.0200	mg/Kg wet
	< 0.000356 < 0.000439 < 0.000543 < 0.000434 < 0.00166 < 0.000272 < 0.000411 < 0.000483 < 0.0290 < 0.00681 < 0.00531 < 0.00408 < 0.0121 < 0.000980 < 0.000288 < 0.000288 < 0.000482 < 0.000630	<ul> <li>&lt; 0.000356</li> <li>&lt; 0.00200</li> <li>&lt; 0.000439</li> <li>&lt; 0.00400</li> <li>&lt; 0.000543</li> <li>&lt; 0.00400</li> <li>&lt; 0.00166</li> <li>&lt; 0.00200</li> <li>&lt; 0.000272</li> <li>&lt; 0.000411</li> <li>&lt; 0.00200</li> <li>&lt; 0.000483</li> <li>&lt; 0.00200</li> <li>&lt; 0.00290</li> <li>&lt; 0.00881</li> <li>&lt; 0.00881</li> <li>&lt; 0.00531</li> <li>&lt; 0.00408</li> <li>&lt; 0.00408</li> <li>&lt; 0.00121</li> <li>&lt; 0.000980</li> <li>&lt; 0.00400</li> <li>&lt; 0.000980</li> <li>&lt; 0.00400</li> <li>&lt; 0.000288</li> <li>&lt; 0.000088</li> <li>&lt; 0.000088</li> <li>&lt; 0.000088</li> <li>&lt; 0.000080</li> <li>&lt; 0.00000080</li> <li>&lt; 0.000080</li> <li>&lt; 0.0000080</li> <li>&lt; 0.000080</li> <li>&lt; 0.000080</li></ul>

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Project:

#### **Volatile Organic Compounds by GC/MS**

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

#### Batch: B2D0362 - SW5035 (Continued)

Blank (B2D0362-BLK1) (Continued)			ı	Prepared: 04/08/2022	08:15	Analyzed: 04/08/2022 12:04
Carbon disulfide	< 0.000602	0.00400 mg	g/Kg wet			
Carbon tetrachloride	< 0.00279	0.0200 mg	g/Kg wet			
Chlorobenzene	< 0.000520		g/Kg wet			
Chloroethane	< 0.00141	0.00800 mg	g/Kg wet			
Chloroform	< 0.000731	0.00400 mg	g/Kg wet			
Chloromethane	< 0.00146	0.00800 mg	g/Kg wet			
cis-1,2-Dichloroethene	< 0.000570	0.00400 mg	g/Kg wet			
Dibromochloromethane	< 0.000476	0.00200 mg	g/Kg wet			
Ethylbenzene	< 0.00103	0.00800 mg	g/Kg wet			
m,p-Xylene	< 0.00162	0.00800 mg	g/Kg wet			
Methyl tert-butyl ether	< 0.000334	0.00200 mg	g/Kg wet			
Methylene chloride	< 0.00393	0.0200 mg	g/Kg wet			
o-Xylene	< 0.00102	0.00800 mg	g/Kg wet			
Styrene	< 0.00110	0.00800 mg	g/Kg wet			
Tetrachloroethene	< 0.000584	0.00400 mg	g/Kg wet			
Toluene	< 0.000362	0.00200 mg	g/Kg wet			
trans-1,2-Dichloroethene	< 0.000926	0.00400 mg	g/Kg wet			
Trichloroethene	< 0.000485	0.00200 mg	g/Kg wet			
Vinyl acetate	< 0.000510	0.00400 mg	g/Kg wet			
Vinyl chloride	< 0.000714	0.00400 mg	g/Kg wet			
Xylenes, Total	< 0.00256	0.0120 mg	g/Kg wet			
1,3-Dichloropropene, Total	< 0.000630	0.00400 mg	g/Kg wet			
Surrogate: Dibromofluoromethane	20.3	L	ug/Kg	20.00	101	86-150
Surrogate: 1,2-Dichloroethane-d4	17.7	L	ug/Kg	20.00	89	89-150
Surrogate: Fluorobenzene	20.8		ug/Kg	20.00	104	88-111
Surrogate: Toluene-d8	20.2		ug/Kg	20.00	101	66-113
Surrogate: 4-Bromofluorobenzene	10.2		ug/Kg	10.00	102	82-137
Surrogate: 1,2-Dichlorobenzene-d4	21.0	L	ug/Kg	20.00	105	77-142
LCS (B2D0362-BS1)			ı	Prepared: 04/08/2022	08:15	Analyzed: 04/08/2022 10:00
1,1,1-Trichloroethane	0.0376	0.00200 mg	g/Kg wet 0	0.04000	94	80-127
1,1,2,2-Tetrachloroethane	0.0437	0.00200 mg	g/Kg wet 0	0.04000	109	70-124
1,1,2-Trichloroethane	0.0354	0.00200 mg	g/Kg wet 0	0.04000	88	78-121
1,1-Dichloroethane	0.0405	0.00400 mg	g/Kg wet 0	0.04000	101	76-125
1,1-Dichloroethene	0.0401	0.00200 mg	g/Kg wet 0	0.04000	100	70-131
1,2-Dibromo-3-chloropropane	0.0355	0.00800 mg	g/Kg wet 0	0.04000	89	69-128
1,2-Dibromoethane	0.0366	0.00200 mg	g/Kg wet 0	0.04000	92	78-122
1,2-Dichloroethane	0.0322	0.00200 mg	g/Kg wet 0	0.04000	80	73-128
1,2-Dichloropropane	0.0407	0.00200 mg	g/Kg wet 0	0.04000	102	76-123
1-Butanol	0.319	0.200 mg	g/Kg wet	0.4000	80	70-130
2-Butanone	0.112	0.0280 mg	g/Kg wet	0.1400	80	66-147
2-Hexanone	0.123	0.0280 mg	g/Kg wet	0.1400	88	60-145

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

Project: NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

# **Volatile Organic Compounds by GC/MS**

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

#### Batch: B2D0362 - SW5035 (Continued)

LCS (B2D0362-BS1) (Continued)				Prepared: 04/0	8/2022 08:15	Analyzed: 04	/08/2022	10:00	
4-Methyl-2-pentanone	0.119	0.0280	mg/Kg wet	0.1400	85	65-135			
Acetone	0.106	0.0700	mg/Kg wet	0.1400	76	36-164			
Acrylonitrile	0.0329	0.00400	mg/Kg wet	0.04000	82	65-134			
Benzene	0.0394	0.00200	mg/Kg wet	0.04000	98	77-121			
Bromodichloromethane	0.0370	0.00200	mg/Kg wet	0.04000	92	75-127			
Bromoform	0.0380	0.00400	mg/Kg wet	0.04000	95	67-132			
Bromomethane	0.0365	0.0200	mg/Kg wet	0.04000	91	53-143			
Carbon disulfide	0.0429	0.00400	mg/Kg wet	0.04000	107	63-132			
Carbon tetrachloride	0.0365	0.0200	mg/Kg wet	0.04000	91	70-135			
Chlorobenzene	0.0397	0.00400	mg/Kg wet	0.04000	99	73-123			
Chloroethane	0.0360	0.00800	mg/Kg wet	0.04000	90	59-139			
Chloroform	0.0365	0.00400	mg/Kg wet	0.04000	91	73-127			
Chloromethane	0.0388	0.00800	mg/Kg wet	0.04000	97	50-136			
cis-1,2-Dichloroethene	0.0379	0.00400	mg/Kg wet	0.04000	95	77-123			
Dibromochloromethane	0.0395	0.00200	mg/Kg wet	0.04000	99	74-126			
Ethylbenzene	0.0397	0.00800	mg/Kg wet	0.04000	99	76-122			
m,p-Xylene	0.0782	0.00800	mg/Kg wet	0.08000	98	77-124			
Methyl tert-butyl ether	0.0369	0.00200	mg/Kg wet	0.04000	92	78-124			
Methylene chloride	0.0366	0.0200	mg/Kg wet	0.04000	92	70-128			
o-Xylene	0.0448	0.00800	mg/Kg wet	0.04000	112	77-123			
Styrene	0.0389	0.00800	mg/Kg wet	0.04000	97	76-124			
Tetrachloroethene	0.0383	0.00400	mg/Kg wet	0.04000	96	73-125			
Toluene	0.0418	0.00200	mg/Kg wet	0.04000	105	77-121			
trans-1,2-Dichloroethene	0.0405	0.00400	0 0	0.04000	101	74-125			
Trichloroethene	0.0390	0.00200	mg/Kg wet	0.04000	97	72-126			
Vinyl acetate	0.0380	0.00400	mg/Kg wet	0.04000	95	50-151			
Vinyl chloride	0.0392	0.00400	mg/Kg wet	0.04000	98	56-135			
Xylenes, Total	0.123	0.0120	mg/Kg wet	0.1200	103	78-124			
1,3-Dichloropropene, Total	0.0732	0.00400	mg/Kg wet	0.08000	92	77-126			
Surrogate: Dibromofluoromethane	20.0		ug/Kg	20.00	100	86-150			
Surrogate: 1,2-Dichloroethane-d4	17.4		ug/Kg	20.00	87	89-150			S
Surrogate: Fluorobenzene	21.1		ug/Kg	20.00	106	88-111			
Surrogate: Toluene-d8	21.8		ug/Kg	20.00	109	66-113			
Surrogate: 4-Bromofluorobenzene	11.4		ug/Kg	10.00	114	82-137			
Surrogate: 1,2-Dichlorobenzene-d4	19.1		ug/Kg	20.00	96	77-142			
LCS Dup (B2D0362-BSD1)				Prepared: 04/0	8/2022 08:15	Analyzed: 04	/08/2022	10:25	
1,1,1-Trichloroethane	0.0361	0.00200	mg/Kg wet	0.04000	90	80-127	4	20	
1,1,2,2-Tetrachloroethane	0.0445	0.00200	mg/Kg wet	0.04000	111	70-124	2	20	
1,1,2-Trichloroethane	0.0364	0.00200	mg/Kg wet	0.04000	91	78-121	3	20	
1,1-Dichloroethane	0.0396	0.00400	mg/Kg wet	0.04000	99	76-125	2	20	
1,1-Dichloroethene									

## **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

Project: NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

# **Volatile Organic Compounds by GC/MS**

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

#### Batch: B2D0362 - SW5035 (Continued)

LCS Dup (B2D0362-BSD1) (Continued)				Prepared: 04/	08/2022 08:15	Analyzed: 04	1/08/2022	10:25	
1,2-Dibromo-3-chloropropane	0.0381	0.00800	mg/Kg wet	0.04000	95	69-128	7	20	
1,2-Dibromoethane	0.0392	0.00200	mg/Kg wet	0.04000	98	78-122	7	20	
1,2-Dichloroethane	0.0342	0.00200	mg/Kg wet	0.04000	85	73-128	6	20	
1,2-Dichloropropane	0.0398	0.00200	mg/Kg wet	0.04000	99	76-123	2	20	
1-Butanol	0.368	0.200	mg/Kg wet	0.4000	92	70-130	14	20	
2-Butanone	0.134	0.0280	mg/Kg wet	0.1400	96	66-147	18	20	
2-Hexanone	0.138	0.0280	mg/Kg wet	0.1400	99	60-145	12	20	
4-Methyl-2-pentanone	0.129	0.0280	mg/Kg wet	0.1400	92	65-135	8	20	
Acetone	0.117	0.0700	mg/Kg wet	0.1400	84	36-164	10	20	
Acrylonitrile	0.0387	0.00400	mg/Kg wet	0.04000	97	65-134	16	20	
Benzene	0.0383	0.00200	mg/Kg wet	0.04000	96	77-121	3	20	
Bromodichloromethane	0.0366	0.00200	mg/Kg wet	0.04000	92	75-127	0.9	20	
Bromoform	0.0409	0.00400	mg/Kg wet	0.04000	102	67-132	7	20	
Bromomethane	0.0356	0.0200	mg/Kg wet	0.04000	89	53-143	2	20	
Carbon disulfide	0.0428	0.00400	mg/Kg wet	0.04000	107	63-132	0.3	20	
Carbon tetrachloride	0.0346	0.0200	mg/Kg wet	0.04000	86	70-135	6	20	
Chlorobenzene	0.0387	0.00400	mg/Kg wet	0.04000	97	73-123	3	20	
Chloroethane	0.0359	0.00800	mg/Kg wet	0.04000	90	59-139	0.4	20	
Chloroform	0.0368	0.00400	mg/Kg wet	0.04000	92	73-127	1	20	
Chloromethane	0.0397	0.00800	mg/Kg wet	0.04000	99	50-136	2	20	
cis-1,2-Dichloroethene	0.0398	0.00400	mg/Kg wet	0.04000	100	77-123	5	20	
Dibromochloromethane	0.0391	0.00200	mg/Kg wet	0.04000	98	74-126	1	20	
Ethylbenzene	0.0389	0.00800	mg/Kg wet	0.04000	97	76-122	2	20	
m,p-Xylene	0.0761	0.00800	mg/Kg wet	0.08000	95	77-124	3	20	
Methyl tert-butyl ether	0.0362	0.00200	mg/Kg wet	0.04000	91	78-124	2	20	
Methylene chloride	0.0380	0.0200	mg/Kg wet	0.04000	95	70-128	4	20	
o-Xylene	0.0414	0.00800	mg/Kg wet	0.04000	103	77-123	8	20	
Styrene	0.0390	0.00800	mg/Kg wet	0.04000	97	76-124	0.3	20	
Tetrachloroethene	0.0355	0.00400	mg/Kg wet	0.04000	89	73-125	8	20	
Toluene	0.0396	0.00200	mg/Kg wet	0.04000	99	77-121	6	20	
trans-1,2-Dichloroethene	0.0404	0.00400	mg/Kg wet	0.04000	101	74-125	0.4	20	
Trichloroethene	0.0367	0.00200	mg/Kg wet	0.04000	92	72-126	6	20	
Vinyl acetate	0.0395	0.00400	mg/Kg wet	0.04000	99	50-151	4	20	
Vinyl chloride	0.0404	0.00400	mg/Kg wet	0.04000	101	56-135	3	20	
Xylenes, Total	0.117	0.0120	mg/Kg wet	0.1200	98	78-124	5	20	
1,3-Dichloropropene, Total	0.0744	0.00400	mg/Kg wet	0.08000	93	77-126	2	20	
Surrogate: Dibromofluoromethane	19.9		ug/Kg	20.00	100	86-150			
Surrogate: 1,2-Dichloroethane-d4	18.3		ug/Kg	20.00	91	89-150			
Surrogate: Fluorobenzene	20.2		ug/Kg	20.00	101	88-111			
Surrogate: Toluene-d8	21.0		ug/Kg	20.00	105	66-113			
Surrogate: 4-Bromofluorobenzene	10.4		ug/Kg	10.00	104	82-137			
Surrogate: 1,2-Dichlorobenzene-d4	20.6		ug/Kg	20.00	103	77-142			

#### **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

Report Date: 04/13/2022

NELAC

Matrix: Solid

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Project:

# **Volatile Organic Compounds by GC/MS**

(Continued)

Reporting Spike Source %REC RPD Analyte Result Limit Units Result %REC Limits RPD Qual Level Limit

Batch: B2D0362 - SW5035 (Continued)

LCS Dup (B2D0362-BSD1) (Continued) Prepared: 04/08/2022 08:15 Analyzed: 04/08/2022 10:25

# **Quality Control**

(Continued)

EPS Environmental Services, Inc. Client:

2525 Greenfield Lane, North Chicago, IL

**NELAC** 

Matrix: Solid

Report Date: 04/13/2022

Work Order: 22D0347

Project:

# Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch: B2D0275 - SW3550										
Blank (B2D0275-BLK1)				Prepared	I: 04/08/2022	15:00	Analyzed: 04	1/11/2022	13:45	
Acenaphthene	< 0.00254	0.0139	mg/Kg wet							
Acenaphthylene	< 0.00378	0.0139	mg/Kg wet							
Anthracene	< 0.00355	0.0139	mg/Kg wet							
Benzo(a)anthracene	< 0.00278	0.0139	mg/Kg wet							
Benzo(a)pyrene	< 0.00212	0.0139	mg/Kg wet							
Benzo(b)fluoranthene	< 0.00448	0.0139	mg/Kg wet							
Benzo(g,h,i)perylene	< 0.00434	0.0139	mg/Kg wet							
Benzo(k)fluoranthene	< 0.00363	0.0139	mg/Kg wet							
Chrysene	< 0.00293	0.0139	mg/Kg wet							
Dibenzo(a,h)anthracene	< 0.00352	0.0139	mg/Kg wet							
Fluoranthene	< 0.00433	0.0139	mg/Kg wet							
Fluorene	< 0.00332	0.0139	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	< 0.00354	0.0139	mg/Kg wet							
Naphthalene	< 0.00417	0.0139	mg/Kg wet							
Phenanthrene	< 0.00342	0.0139	mg/Kg wet							
Pyrene	< 0.00191	0.0139	mg/Kg wet							
Surrogate: 2-Methylnaphthalene-d10	1.19		mg/Kg wet	1.450		82	58-127			
Surrogate: Fluoranthene-d10	1.18		mg/Kg wet	1.450		82	42-130			
LCS (B2D0275-BS1)				Prepared	I: 04/08/2022	15:00	Analyzed: 04	1/11/2022	14:04	
Acenaphthene	1.33	0.0143	mg/Kg wet	1.489		89	67-122			
Acenaphthylene	1.42	0.0143	mg/Kg wet	1.489		95	65-118			
Anthracene	1.34	0.0143	mg/Kg wet	1.489		90	65-118			
Benzo(a)anthracene	1.27	0.0143	mg/Kg wet	1.489		85	55-114			
Benzo(a)pyrene	1.30	0.0143	mg/Kg wet	1.489		87	58-122			
Benzo(b)fluoranthene	1.20	0.0143	mg/Kg wet	1.489		81	63-124			
Benzo(g,h,i)perylene	1.22	0.0143	mg/Kg wet	1.489		82	56-128			
Benzo(k)fluoranthene	1.22	0.0143	mg/Kg wet	1.489		82	47-138			
Chrysene	1.26	0.0143	mg/Kg wet	1.489		85	60-130			
Dibenzo(a,h)anthracene	1.21	0.0143	mg/Kg wet	1.489		81	59-126			
Fluoranthene	1.30	0.0143	mg/Kg wet	1.489		87	66-126			
Fluorene	1.35			1.489		91	67-123			
Indeno(1,2,3-cd)pyrene	1.22	0.0143	mg/Kg wet	1.489		82	60-122			
Naphthalene	1.34	0.0143	mg/Kg wet	1.489		90	72-122			
Phenanthrene	1.30		mg/Kg wet	1.489		87	71-124			
Pyrene	1.25		mg/Kg wet	1.489		84	56-132			
Surrogate: 2-Methylnaphthalene-d10	4.00									
Surrogate. 2-Metriviriabrithalene-010	1.22		mg/Kg wet	1.489		82	58-127			

Report Date: 04/13/2022 Matrix: Solid

509 N. 3<sup>rd</sup> Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 www.emt.com

#### **Quality Control**

(Continued)

Client: EPS Environmental Services, Inc.

**NELAC** 

2525 Greenfield Lane, North Chicago, IL

Work Order: 22D0347

Project:

#### Semivolatile Organic Compounds by GC/MS

(Continued)

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qual	

Batch: B2D0275 - SW3550 (Continued)

Matrix Spike (B2D0275-MS1)		Source: 22	D0347-05	Prepared	d: 04/08/2022	2 15:00	Analyzed: 04/	/11/2022	14:24	
Acenaphthene	1.64	0.0181	mg/Kg dry	1.883	ND	87	57-119			
Acenaphthylene	1.78	0.0181	mg/Kg dry	1.883	ND	94	59-115			
Anthracene	1.62	0.0181	mg/Kg dry	1.883	ND	86	58-114			
Benzo(a)anthracene	1.60	0.0181	mg/Kg dry	1.883	ND	85	47-127			
Benzo(a)pyrene	1.59	0.0181	mg/Kg dry	1.883	ND	84	46-127			
Benzo(b)fluoranthene	1.48	0.0181	mg/Kg dry	1.883	ND	79	48-125			
Benzo(g,h,i)perylene	1.44	0.0181	mg/Kg dry	1.883	ND	77	48-120			
Benzo(k)fluoranthene	1.48	0.0181	mg/Kg dry	1.883	ND	78	47-125			
Chrysene	1.58	0.0181	mg/Kg dry	1.883	0.00536	83	49-135			
Dibenzo(a,h)anthracene	1.50	0.0181	mg/Kg dry	1.883	ND	79	50-122			
Fluoranthene	1.58	0.0181	mg/Kg dry	1.883	ND	84	49-132			
Fluorene	1.68	0.0181	mg/Kg dry	1.883	ND	89	59-119			
Indeno(1,2,3-cd)pyrene	1.44	0.0181	mg/Kg dry	1.883	ND	76	50-120			
Naphthalene	1.71	0.0181	mg/Kg dry	1.883	ND	91	69-117			
Phenanthrene	1.59	0.0181	mg/Kg dry	1.883	ND	84	56-126			
Pyrene	1.53	0.0181	mg/Kg dry	1.883	ND	81	34-141			
Surrogate: 2-Methylnaphthalene-d10	1.47		mg/Kg dry	1.883		78	58-127			
Surrogate: Fluoranthene-d10	1.40		mg/Kg dry	1.883		74	42-130			
Matrix Spike Dup (B2D0275-MSD1)		Source: 22	D0347-05	Prepared	d: 04/08/2022	2 15:00	Analyzed: 04/	/11/2022	14:44	
Acenaphthene	1.49	0.0168	mg/Kg dry	1.752	ND	85	57-119	10	20	
Acenaphthylene	1.60	0.0168	mg/Kg dry	1.752	ND	91	59-115	11	20	
Anthracene	1.49	0.0168	mg/Kg dry	1.752	ND	85	58-114	9	23	
Benzo(a)anthracene	1.46	0.0168	mg/Kg dry	1.752	ND	84	47-127	9	33	
Benzo(a)pyrene	1.46	0.0168	mg/Kg dry	1.752	ND	84	46-127	8	36	
Benzo(b)fluoranthene	1.36	0.0168	mg/Kg dry	1.752	ND	78	48-125	8	35	
Benzo(g,h,i)perylene	1.31	0.0168	mg/Kg dry	1.752	ND	75	48-120	9	26	
Benzo(k)fluoranthene	1.37	0.0168	mg/Kg dry	1.752	ND	78	47-125	8	23	
Chrysene	1.50	0.0168	mg/Kg dry	1.752	0.00536	85	49-135	5	29	
Dibenzo(a,h)anthracene	1.38	0.0168	mg/Kg dry	1.752	ND	79	50-122	8	20	
Fluoranthene	1.44	0.0168	mg/Kg dry	1.752	ND	82	49-132	9	43	
Fluorene	1.51	0.0168	mg/Kg dry	1.752	ND	86	59-119	11	20	
Indeno(1,2,3-cd)pyrene	1.34	0.0168	mg/Kg dry	1.752	ND	76	50-120	7	28	
Naphthalene	1.57	0.0168	mg/Kg dry	1.752	ND	89	69-117	9	20	
Phenanthrene	1.46	0.0168	mg/Kg dry	1.752	ND	83	56-126	8	20	
Pyrene	1.41	0.0168	mg/Kg dry	1.752	ND	80	34-141	8	38	
			5 5 7							
Surrogate: 2-Methylnaphthalene-d10	1.39		mg/Kg dry	1.752		79	58-127			

# **Certified Analyses included in this Report**

Analyte	CAS#	Certifications	
SM2540G in Solid			
Total Solids	Moist	WDNR,DoD	
SW8260B/D in Solid			
Benzene	71-43-2	WDNR,DoD,ILEPA	
Ethylbenzene	100-41-4	WDNR,DoD,ILEPA	
Toluene	108-88-3	AKDEC,WDNR,DoD,ILEPA	
Xylenes, Total	1330-20-7	WDNR,DoD,ILEPA	
SW8270D SIM in Solid			
Acenaphthene	83-32-9	DoD,WDNR	
Acenaphthylene	208-96-8	DoD,WDNR	
Anthracene	120-12-7	DoD,WDNR	
Benzo(a)anthracene	56-55-3	DoD,WDNR	
Benzo(a)pyrene	50-32-8	DoD,WDNR	
Benzo(b)fluoranthene	205-99-2	DoD,WDNR	
Benzo(g,h,i)perylene	191-24-2	DoD,WDNR	
Benzo(k)fluoranthene	207-08-9	DoD,WDNR	
Chrysene	218-01-9	DoD,WDNR	
Dibenzo(a,h)anthracene	53-70-3	DoD,WDNR	
Fluoranthene	206-44-0	DoD,WDNR	
Fluorene	86-73-7	DoD,WDNR	
Indeno(1,2,3-cd)pyrene	193-39-5	DoD,WDNR	
Naphthalene	91-20-3	DoD,WDNR	
Phenanthrene	85-01-8	DoD,WDNR	
Pyrene	129-00-0	DoD,WDNR	

#### **List of Certifications**

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	05/31/2022
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	03/31/2024
DoD	Department of Defense, Accredited by PJLA	L20-164-R2	03/31/2024
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562021-6	07/27/2022
ISO	ISO/IEC 17025:2017, Accredited by PJLA	L20-165	03/31/2024
NEFAP	TNI National Environmental Field Activities Program	L20-166	03/31/2024
TX	Texas Commission of Environmental Quality	T104704554-20-5	10/31/2022
WA	Washington State Department of Ecology	C1057	01/06/2023
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2022

#### **Qualifiers and Definitions**

Item	Description
S %Rec	The quality control sample recovery is outside of the laboratory control limits.  Percent Recovery



# ENVIRONMENTA MONITORING AN TECHNOLOGIES, IN

office 10/27/2022 22D0347 PM: Arminta Priddy EPS Environmental Services, Inc.

NELAC

**Custody Record** 

TURNAROUND TIME:
RUSH
day turnaround
ROUTINE

509 N. 3rd Avenue Des Plaines, IL 60016 847-967-6666 FAX: 847-967-6735 www.emt.com

.coc #: 245381 Due Date:

Company:  Address:  Phone #: (723) 752  P.O. #:  Client Contact:  Project ID / Location:	1. Wast 2. Drink 3. Soil Conta P - Plas G - Gla Preser 1. None 2. H2SO	Container Type:  P - Plastic V - VOC Vial O - Other G - Glass B - Tedlar Bag  Preservative:  1. None 4. NaOH 7. Zn Ace 2. H2SQ4 5. HCI 8. Other						Analyses  EMT USE ONLY								
Sample I.D.	Sample Type	Size	Contain	-	Bu	Date	Sampling		Tanan		ervation Lab	7		1//	///	# 22 Do347
5-11"	SAIL	444	Type	No.	che	11/	Time 080	pН	Temp.	6,8/	LGD	x	k			01 A-D
5-12			1	1	1	1	0815			1	1	X	*			07 A-D
5-13							0910					×	У			03 A-D
5-14							6815					>	۱ د			04 A-D
5-15							1160					×	*			05 A-D
5-16							1145					×	×			04 A-D
5-17	T	1	1	لم	1	1	1315			1		x	*			07 A-D
~		,							-5	•						
Relinquished By:			14:15			Received By: A E			A	16 :			IT USE ONLY ent Code:			SAMPLE RECEIVED ON ICE TEMPERATURE
Retinguished By: World EUStrapl			1-06 16:5		Receiv	ved By:			+	-		EN	T Project I.D.			906
Relinquished By:	• [	Date:	- :	-	Receiv	Received For Lab By:		San	Date: (	)4-04 16:	1011 55	Ja	r Lot No.			EMT SAMPLE RETURN POLICY ON BACK
PECIAL INSTRUCTIO		n.		t	1	U		0		L UK						AD000000

Work Order: 22D0347

Printed: 4/6/2022 6:42:50PM

Client: EPS Environmental Services, Inc. Project: NELAC		Date Due:	Wednesday, April 13, 2022					
Received By: Jennifer Schultz	-	Date Received:	04/06/22 16:55					
Logged In By: Jennifer Schultz	%.	Date Logged In:	04/06/22 18:41					
How were samples received?	EMT	Sample Receipt (						
Cooler temperature at or below 6 degrees Celsius	Yes	Work Order: 22D0347 The samples were received on 04/06/22 16:55. The temperature of the cooler(s						
Chain of Custody present and properly completed	Yes	at receipt was:	The received on 64700/22 10.55. The temperature of the cooler(s)					
Turn Around Time is indicated and specified	Yes	Cooler	Temp C°					
Chain of Custody agrees with sample labels	Yes	Default Cooler	4.9					
Samples received within hold time	Yes							
Proper sample containers received intact	Yes	The samples we	re received in good condition and were properly preserved.					
Containers properly preserved	Yes							
Sufficient Sample Volume	Yes							
Custody seals present	No							
Volatile water vials received	No							
Samples going out of hold time within 24 hours:	~							
		-						
		4.7						

35

04/04/2027

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# Illinois Environmental Protection Agency

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

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

# Leaking Underground Storage Tank Program **Laboratory Certification for Chemical Analysis**

A. Site Id	ienti	rıca	tion
------------	-------	------	------

IL 532 2283

	IEI	MA Incident # (6- or 8-digit): <u>20</u>	0220253	IEPA LPC# (10-digit): 0971255169				
	Sit	e Name: Emco Chemical Disti	ributors, Inc.					
	Sit	e Address (Not a P.O. Box): 2	2525 Greenfield Lane					
	Cit	y: North Chicago	County: Lake	ZIP Code: 60064				
	Lea	aking UST Technical File						
В.	Sa	mple Collector						
	1 ce	ertify that:						
	1.	Appropriate sampling equipm	nent/methods were utilized to ol	btain representative samples.	KB_			
					(Initial)			
	2.	Chain-of-custody procedures	were followed in the field.		<u>KB</u>			
					(Initial)			
	3. Sample integrity was maintained by proper preservation.							
	4.	All samples were properly lab	peled		(Initial) KR			
	٦.	All samples were properly lab	Joicu.		(Initial)			
C.	La	boratory Representative	•					
	l ce	ertify that:						
	1.	Proper chain-of-custody proc	edures were followed as docur	mented on the chain-of-custody forms	APP			
				-	(Initial)			
	2.	Sample integrity was maintain	ned by proper preservation.		<u>APP</u>			
					(Initial) AƊƊ			
	3.	All samples were properly lab	peled.		APP (Initial)			
		O 124 124	.t		APP			
	4.	Quality assurance/quality con	ntrol procedures were establish	ed and carried out.	(Initial)			
	5.	Sample holding times were no	nt exceeded		APP			
	J.	Cample holding times were hi	or exoceded.		(Initial)			

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

APP
(Initial)
APP
(Initial)

7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186,180 (for samples collected on or after January 1, 2003).

# 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	Laboratory Representative					
Name Kyle Bartusch	Name Arminta Priddy					
Title Project Manager	Title Project Manager					
Company EPS Environmental Services, Inc.	Company Environmental Monitoring and Technologies					
Address 7237 West Devon Avenue	Address 509 North 3rd Avenue					
City Chicago	City Des Plaines					
State Illinois	State Illinois					
Zip Code 60631	Zip Code 60016					
Phone (773) 792-3090	Phone (847) 967-6666 .					
Signature Kulk Bottlogh	Signature Ormunta 7. Pudly					
Date 4/21/22	Date 04/20/2022					



IL 532 2283

LPC 509 Rev. March 2006

# Illinois Environmental Protection Agency

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# Leaking Underground Storage Tank Program Laboratory Certification for Chemical Analysis

A.	Sit	e Identification					
	IEMA Incident # (6- or 8-digit): 20220253			IEPA LPC# (10-digit): 0971255169			
	Site Name: Emco Chemical Distributors, Inc.						
	Sit	e Address (Not a P.O. Box):	2525 Greenfield Lane		- <del>-</del>		
	• • • • • • • • • • • • • • • • • • • •		ZIP Code: 60064				
	Lea	aking UST Technical File					
В.	Sa	mple Collector					
	l ce	I certify that:					
	1.	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.	La	Laboratory Representative					
	l ce	ertify that:					
	1.	Proper chain-of-custody pr	ocedures were followed as docu	umented on the chain-of-custody forms	_APP		
					(Initial) $ ot A \mathcal{P} \mathcal{P}$		
	2.	. Sample integrity was maintained by proper preservation.			(Initial)		
	3.	All samples were properly	labeled.		APP		
					(Initial) APP		
	4.	Quality assurance/quality of	control procedures were establis	shed and carried out.	(Initial)		
	5.	Sample holding times were	e not exceeded.		ÄPP		
	٠.				(Initial)		

Laboratory Certification for Chemical Analysis
Page 1 of 2

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

APP
(Initial)
APP

7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003).

(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	Laboratory Representative		
Name Christopher Lewis	Name Arminta Priddy		
Title Senior Project Manager	Title Project Manager		
Company EPS Environmental Services, Inc.	Company Environmental Monitoring and Technologies		
Address 7237 West Devon Avenue	Address 509 North 3rd Avenue		
City Chicago	City Des Plaines		
State Illinois	State Illinois		
Zip Code 60631	Zip Code 60016		
Phone (773) 792-3090	Phone (847) 967-6666 .		
Signature	Signature Osemunta ? Punday		
Date 4/21/2:22	Date 04/20/2022		



# Illinois Environmental Protection Agency

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

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# Leaking Underground Storage Tank Program Laboratory Certification for Chemical Analysis

Α.	Sit	e Identification					
	IEMA Incident # (6- or 8-digit): 20220253			IEPA LPC# (10-digit): 0971255169			
	Sit	Site Name: Emco Chemical Distributors, Inc.					
	Site Address (Not a P.O. Box): 2525 Greenfield Lane						
	Cit	y: North Chicago	County: Lake	ZIP Code: 60064			
	Lea	aking UST Technical File					
В.	Sa	mple Collector					
	I ce	ertify that:			A /		
	1.	Appropriate sampling equip	ment/methods were utilized to	obtain representative samples.	(Initial)		
	2. Chain-of-custody procedures were followed in the field.  (Initia						
	3. Sample integrity was maintained by proper preservation.		(Initial)				
	4.	All samples were properly I	abeled.	, 2	(Initial)		
C.	La	Laboratory Representative					
	I ce	ertify that:			. ,		
	1.	Proper chain-of-custody pro	ocedures were followed as docu	umented on the chain-of-custody forms	(Initial)		
	2.	Sample integrity was maint	ained by proper preservation.	-	(Initial)		
	3.	All samples were properly I	abeled.	-	(Initial)		
	4.	Quality assurance/quality c	ontrol procedures were establis	hed and carried out.	(Initial)		
	5,	Sample holding times were	not exceeded.	-	(Initial)		

IL 532 2283 LPC 509 Rev. March 2006 Laboratory Certification for Chemical Analysis
Page 1 of 2

- 6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses.
- An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003).



# 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.

Laboratory Representative
Name Craig Chawla
Title Project Manager
Company STAT Analytical Corporation
Address 2242 West Harrison Street, Suite 200
City Chicago
State Illinois
Zip Code 60612-0551
Phone (312) 733-0551
Signature
Date April 20, 2022



LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

# APPENDIX D

Certificate of Destruction

# TSARPALAS ENTERPRISES, INC.

# CERTIFICATE OF UNDERGROUND STORAGE TANK DISPOSAL

This is to certify that an underground storage tank was removed from the premises and disposed of as described below. Prior to the removal and disposal, the tank(s) were washed and rendered safe and non-usable.

Owner of Tank

Company Name:

Street Address: City, State, Zip:

Tank Information

Capacity:

Date Removed:

Location Address: City, State, Zip:

Transporter

Company Name:

Origin:

Driver Name:

Driver Signature:

Date:

Tank Recipient

Company Name:

Street Address: City, State, Zip: Co. Rep. Name:

Co. Rep. Signature:

Date:

Method of Disposal:

Emo Chemical Distributors, Inc. 8601 90th Street Pleasont Prairie, Wi. 53158

1-12,000 gailer

North Chicago, 12 100064 Tsarpalas Enterprises, Inc.

JOI Green Bay R.

17494 West Hickory Lane Grayslake, Il. 60030

816-8828



LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

# APPENDIX E

**OSFM** Removal Permit



#### Office of the Illinois State Fire Marshal Division of Petroleum and Chemical Safety 1035 Stevenson Drive Springfield, IL 62703 2177851020

#### **FOR OFFICEUSE ONLY**

Facility # 2047356
Permit # 01393-2021REM
Request Rec'd 11/30/2021
Amended Date
Approval Date 12/1/2021 DS
Permit Expires 6/1/2022

## Permit for REMOVAL of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to remove underground storage tank(s) or piping is hereby granted. Such removal shall not commence until the contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, at which time the UST activity shall be scheduled. THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.

 OWNER OF TANKS - Corporation, partnership, or other business entity:

entity:

EMCO Chemical Distributors, Inc. 8601 95th Street Pleasant Prairie, WI 53158

Contact: B.J. Korman (847) 421-9256

(2) FACILITY - name and address where tanks are located:

Industrial 2525 Greenfield Lane North Chicago, IL 60064

Contact: B.J. Korman (847) 421-9256

#### (3) REMOVAL OF TANKS:

- (a) Number and size of tanks being removed: (TK # 1) 3,500, (TK # 2, 3) 10,000
- (b) Description/location of piping being removed:
- (c) Product to be stored in each tank: (TK#1, 2, 3) Heating Oil
- (d) Reason of tanks being removed:
- (e) If tank(s) is leaking, indicate IEMA incident number:
- (f) Date each tank was last used: (TK # 1, 2, 3) 12/31/1973
- (4) The owner must notify this Office when completion of tank removal has occurred, on the Notification for Underground Storage Tank Form. This form can be obtained at www.sfm.illinois.gov or by calling (217)785-1020. After removal is completed, the owner/operator shall perform a site assessment by measuring for the presence of a release where contamination is most likely to be present at the UST site. This is in accordance with the Illinois Administrative Code 176.360 (a) regulations and 40 CFR Part 280.72 (a) Federal Register Requirement.
- (5) SPECIAL CONTINGENCIES: Removal of 3 UST's and associated piping.

#### (6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Tsarpalas Enterprises, Inc. 17494 West Hickory Lane Grayslake, IL 60030 Contact Person: Steve Tsarpalas Phone: (847) 816-8828

Contractor Registration # IL297 Exp. 5/10/2022

Sincerely,

Daniel Starks

Carrel J. Starker



# OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

# **Certificate of Removal**

This certificate confirms that the tanks listed below were removed on said date.

Permit Number 01393-2021REM

Owner - U0040404-

Owner Name EMCO Chemical

Distributors, Inc.

Address 8601 95th Street

Pleasant Prairie, WI

53158

Contact Person B.J. Korman

Phone Number (847) 421-9256

-Facility - 2047356 —

Facility Name Industrial

Address 2525 Greenfield Lane

North Chicago, IL

60064 Lake

Contact Person B.J. Korman

Phone Number (847) 421-9256

Tank #	Capacity in Gallons	Product	Date Removed
1	12000	Unknown	03/31/2022
2	10000	Heating Oil	04/05/2022
3	10000	Heating Oil	04/05/2022

Owner/Operator Name: B.J. Korman

Owner/Operator Email: bjkorman@emcochem.com

Owner Operator

AR000104 Page 1 of 2

Date: 4/7/2022



LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

### APPENDIX F

Photographic Documentation

Right: Location of USTs Prior to Removals

Below: Uncovering USTs





EPS Environmental Services, Inc.

Project #: 22850-1020CO#3

2525 Greenfield Lane North Chicago, Illinois IEMA #:20220253

Page 1 of 5

Right: Pumping Liquids From USTs



Right: Pumping Liquids From USTs

Below: View of Uncovered USTs





EPS Environmental Services, Inc.

Project #: 22850-1020CO#3

2525 Greenfield Lane North Chicago, Illinois IEMA #:20220253

Page 2 of 5

Right: Power Washing Interior of USTs



Right: Removing Sludge and Soil From Interior of UST

Below: Interior of UST Prior to Breaking Walls





EPS Environmental Services, Inc.

Project #: 22850-1020CO#3

2525 Greenfield Lane North Chicago, Illinois IEMA #:20220253

Page 3 of 5

Right: Breaking Concrete Wall of UST



Right: Pumping Liquids

Below: Interior of UST During Breaking of Walls



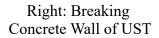


EPS Environmental Services, Inc.

Project #: 22850-1020CO#3

2525 Greenfield Lane North Chicago, Illinois IEMA #:20220253

Page 4 of 5





Right: Floor of Excavation Following Removal of Concrete

Below: Backfilling Excavation





EPS Environmental Services, Inc.

Project #: 22850-1020CO#3

2525 Greenfield Lane North Chicago, Illinois IEMA #:20220253

Page 5 of 5

Right: Excavation Following Backfilling





LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

### APPENDIX G

FOIA Request and Response



Reviewed & Approved By:\_

3010 Grand Avenue Waukegan, IL 60085 Phone: 847.377.8000 FOIA Fax: 847.984.5731

Date:

AR000112

E-mail: <u>HealthFOIA@lakecountyil.gov</u> www.lakecountyil.gov/health

### FREEDOM OF INFORMATION ACT (FOIA) REQUEST FORM

**Note to Requester: PLEASE WRITE LEGIBLY. Retain a copy for your files as you will need to submit a copy should
you need to file a Request for Review with the Public Access Counselor. Lake County Health Department (LCHD) will respond to your request within five business days after receipt. Under Illinois FOIA Statute, the response time may be
extended an additional five business days. Fees will be assessed in accordance with the statute and requester will be notified prior to a response if fees are due.**
·
Date of Request: 4/7/2022 Submitted via: Email Mail In Person
Name (First & Last): Nicholas J. Cuzzone, P.E.
Name of Business Represented: EPS Environmental Services, Inc.
Name of Person/Client Represented:
Address (#, Street, City, St, Zip): 7237 West Devon Avenue
Phone #'s: (773) 792-3090
Email (required to receive records via email):ncuzzone@epsenv.com
Records Requested (Provide as much specific detail as possible so we can clearly identify the information you seek. You may
attach additional pages, if necessary.):
Any information regarding potable wells within the following area: Sections 4, 5, 8 and 9, Township 44 North, Range 12, East of the Third Principal Meridian
Cooliene 1, e, e and e, rewnering 11 (toral, range 12, 2act of the 11 maps with the land
Site Address / PIN Number (If applicable):
How do you wish to receive the response?
Is this request for a Commercial Purpose?
(It is a violation of FOIA for a person to knowingly obtain a public record for a commercial purpose without disclosing that it is for a commercial purpose, if requested to do so by the public body. 5 ILCS 140.3.1(c)).
Are you requesting a fee waiver?
(If you are requesting that the public body waive any fees for copying the documents, you must attach a statement of the purpose of the
request, and whether the principal purpose of the request is to access or disseminate information regarding the health, safety and welfare or legal rights of the general public. 5 ILCS 140/6(c)).
(For LCHD Use Only)
Date Request Received: Date Response Due:
Notes:

### **Nick Cuzzone**

From: Health EHS <HealthEHS@lakecountyil.gov>

**Sent:** Friday, April 8, 2022 4:54 PM

To: Nick Cuzzone

**Subject:** FOIA request regarding Potable wells

**Attachments:** FOIA Potable Wells.pdf

Dear Nicholas J. Cuzzone PE,

Thank you for your FOIA request, however we are unable to fulfill as requested, due to the following:

- 1. We do not have the capability to determine properties by Section, Township Range, etc.
- 2. All of our records are housed by Permanent Index Number (PIN or tax Id)

In order to fulfill your request, we will need a list of PIN numbers (or addresses) that you would like us to investigate. Once we have this list, we will research and respond to your FOIA.

Thank you, Kristi

### Kristi Gilbert

Principal Program Assistant
Lake County Health Department
and Community Health Services
500 W Winchester Road, Suite 102
Libertyville, IL 60048

O: 847-377-8012 or 847-377-8020 | F: 847-984-5622 E: <a href="mailto:kgilbert@lakecountyil.gov">kgilbert@lakecountyil.gov</a> | <a href="mailto:health.lakecountyil.gov">health.lakecountyil.gov</a> Follow us: Facebook | Twitter | Instagram | LinkedIn

Office Hours: 8:00 am - 4:00 pm



Healthy Choices. Healthier People. Healthiest Communities.

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LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

### APPENDIX H

Potable Well Logs

 $_{\mathtt{Page}-1}$  ILLINOIS less transication of the transical state of the property of the state o

rage 1		
Water Well	Top	Bottom
rift	0	138
rock	138	206
otal Depth		206
riller's Log filed		
wner Address: ,		
ocation source: Location from the driller		

Permit Date: Permit #:

**COMPANY** Ferguson, M. G.

FARM Chicago Hardward Foundry

DATE DRILLED NO.

ELEVATION 647GL COUNTY NO. 00765

LOCATION SE NE SE

**LATITUDE** 42.316669 **LONGITUDE** -87.847564

COUNTY Lake API 120970076500 5 - 44N - 12E

 $_{\mathtt{Page}-1}$  ILLINOIS less transication of the transical state of the property of the state o

Water Well	Top	Bottom
drift	0	138
limestone	138	475
shale, wo' of limestone below 13'	475	595
limestone, crevice? at base	595	928
Total Depth		928
Remarks: no date and company memory  Owner Address: ,  Location source: Location from a log		

Permit	Date:	Permit #	ŀ٠

**COMPANY** Ferguson, M. G.

FARM Chicago Hardward & Foundry Co.

DATE DRILLED NO.

ELEVATION 645TM COUNTY NO. 51279

LOCATION SE NE SE

**LATITUDE** 42.316671 **LONGITUDE** -87.847562

COUNTY Lake API 120975127900 5 - 44N - 12E

 $_{\mathtt{Page}-1}$  Illinois estranication of the ceimedys lerk's Office 10/27/2022

Water Well	Тор	Bottom
drift	0	148
Niagran lime	148	365
shale	365	535
limestone	535	828
sandstone	828	885
limestone	885	897
St. Peter sandstone	897	925
Total Depth		925
Remarks: no sulfur, no water, and no date  Owner Address: ,  Location source: Location from a log		

COMPANY	Ferguson, M. G.			
FARM	Chicago Hdw. & I	Fdy. Co.		
DATE DRILI	LED		NO.	
ELEVATION	645TM	COUNTY	<b>NO.</b> 51280	
LOCATION	SE NE SE			
LATITUDE	42.316671	LONGITUDE	-87.847562	

Permit #:

API 120975128000 5 - 44N - 12E

Permit Date:

COUNTY Lake

 $_{\mathtt{Page}-1}$  Illinois extransication of the ceiver of the substitution of the subst

Water Well	Top	Bottom
drift	0	149
rock	149	210
Total Depth		210
Driller's Log filed		
Owner Address: ,		
Location source: Location from the driller		

Permit	Date:	Permit #	ŀ٠

**COMPANY** Ferguson, M. G. **FARM** Sager Lock Co.

DATE DRILLED NO.

ELEVATION 640GL COUNTY NO. 00761

LOCATION SW NW SW

**LATITUDE** 42.316653 **LONGITUDE** -87.845118

COUNTY Lake API 120970076100 4 - 44N - 12E



LUST Incident No. 20220253 Emco Chemical Distributors, Inc. 2525 Greenfield Lane North Chicago, Illinois LPC #: 0971255169

### APPENDIX I

Soil and Liquid Disposal Manifests

# Electronic Filing: Received, Clerk's Office ZION LANDFILL



Designated Facility	ZION LANDFILL		Internal No. 32 32
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location:	Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e, Phone No.:	847-421-9258	f. Phone Number:	
If the owner of t	the generating facility differs from the generator, provide	r:	Units
g. Owners Reps Name:	BJ Korman	K. Quantity- Ld 1	Ld 5
h. Owners Phone No.:	Same 695	Quarrlity- Ld 2	Ld 6
i. Waste Profile No. :	#006789	Quantity- Ld 3	Ld 7
j. Description of Waste:	C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
	Agent for Owner		
Section II	TRANSPORTER		
a. Transporter Name:	TSAL PALLS		NOTES / COMMENTS
b. Address:	THYGY W HILLGOY L	2/	
	BYLYGLARE IL 600	3.0	1
c. Driver Name / Title:	JULY NAVA	126	1/1
d. Phone:	11047- 716-88	-X	)   \
e. Truck Number:	10 20 22 72	Y	1
f. Vehicle License No. / 8	State: 39 020 12		
Acknowledgement of Re	aceipt of Materials		
Drivers Signature	Shipment Date		
Section III	DESTINATION		
a. Site Name: b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd. Zion, IL 60099	d. Mailing Address	(847) 399-3921 SAME
e. Discrepancy Indication	n Space:		
I hereby certify that the a	above named material has been accepted and to the be	est of my knowledge the foregoing	is true and accurate. /
Alen	a Albars	( Blood)	3/23/22
Name of Authorized Age	ent Signature	The state of the s	Receipt Date



Designated Facility	ZION LANDFILL	Internal No
Section I	GENERATOR	
a, Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location: Same
c. Address:	2525 Greenfield Lane	d. Address:
	North Chicago, IL 60064	
e. Phone No.:	847-421-9256	f. Phone Number:
If the owner of	the generating facility differs from the generator, provide:	Units
g. Owners Reps Name	BJ Korman	K. Quantity- Ld 1 Ld 5
h. Owners Phone No.:	Same	
i. Waste Profile No. :	- Delar	Quantity- Ld 2 Ld 6 Ld 6
	#006789	Quantity- Ld 3 Ld 7
j. Description of Waste:		Quantity- Ld 4 Ld 8 Units - y = yard o = other
or any applicable st	Agent for Owner	d and packaged, and is in proper d, the material matches the
Section II	TRANSPORTER	
a. Transporter Name: b. Address:	TSGYPALCS 17494 W HICKONY LAY 61445 Jake IL 60030	NOTES / COMMENTS
c. Driver Name / Title:	JU49 NAVA - 816-8828	
e. Truck Number:	16	
f. Vehicle License No. /	State: 34 920 T2	
f. Venicle License No. / Acknowledgement of R		
g. Ju An MA	2/26/22	
Section III	DESTINATION	ENTROPIES AND THE
a. Site Name:     b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd.	c. Phone Number: (847) 599-5921  d. Mailing Address SAME
2	Zion, IL 60099	
e. Discrepan <b>cy Ind</b> icatio	on Space:	
I hereby certify that the	above named material has been accepted and to the best	t of my knowledge the foregoing is true and accurate.



Designated Facility	ZION LANDFILL		Internal No. 353
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location	: Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
	f the generating facility differs from the generator, provide:		Units
g. Owners Reps Name		K. Quantity- Ld 1	Ld 5
h. Owners Phone No.:	Same		
		Quantity- Ld 2	Ld 6
i. Waste Profile No. :	#006789	Quantity- Ld 3	Ld 7
j. Description of Waste	c: C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
	s Agent for Owner	ne material matches t	
Section II	TRANSPORTER		
a. Transporter Name:	TSARPALAS ENT INC		NOTES / COMMENTS
b. Address:	17494 W HICKORY LN		
	CARAKLAKE IL CACESO		
c. Driver Name / Title:	MicHaul Robert		
d. Phone;	(347) BIL - CG 20		
e. Truck Number:	11		
	715112		
. Vehicle License No.		-	
Acknowledgement of F	Shipment Date	_	
Section III	DESTINATION		
a. Site Name: b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd. Zion, IL 60099	c. Phone Number: d. Mailing Address	(847) 599-5921 SAME
e. Discrepancy Indicati	on Space:		
hereby certify that the	above named material has been accepted and to the best of n	ny knowledge the foregoing	is true and accurate.
P	Shepeta PRick	1	3-2 - 22
Name of Authorized A			Receipt Date

ZION LANDFILL





Designated Facility	ZION LANDFILL	Internal No. <u>4</u> 2う
Section I	GENERATOR	
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location: Same
c. Address:	2525 Greenfield Lane	d. Address:
<del>-</del>	North Chicago, IL 60064	
e. Phone No.:	847-421-9256	f. Phone Number:
_	e generating facility differs from the generator, provide:	Units
g. Owners Reps Name:		K. Quantity- Ld 1
h. Owners Phone No.:		
_		Quantity- Ld 2 Ld 6
i. Waste Profile No. :		
L	#006789	Quantity- Ld 3 Ld 7 Ld 7
j. Description of Waste:	C-Soil	Quantity- Ld 4 Ld 8
<u>-</u>		Units - y = yard o = other
GENERATORS CER	RTIFICATION: ne above named material is not hazardous waste	as defined by 40CFR Part 261
	te law, has been properly described, classified ar	
•	tation according to applicable regulations; And,	
profile number liste	d on line i. Virilet Q	Permis 1
Nicholas J. Cuzzone as A	agent for Owner	3/29/22
Generator Authorized Age		Shipment Date
Section II	TRANSPORTER	
a. Transporter Name:	ISARDALAS ENT INC	NOTES / COMMENTS
b. Address:	17491413 Hallock (1)	
b. Address.	GRAYSLAKE 16 60030	<del>-</del>
		<del></del>
c. Driver Name / Title:	MICHAEL ROGOZ	<del> </del>
d. Phone:	<u>847)816 8.878                                 </u>	
e. Truck Number:	<u> </u>	<u> </u>
f. Vehicle License No. / St	tate: <u>21 5/1 2</u>	V J
Acknowledgement of Rec	eipt of Materials	
Mulus III	3/29/22 Shipment Date	
20000000		
	DESTINATION Cion Landfill, Inc.	c. Phone Number: (847) 599-5921
b. Physical Address: 7	01 Green Bay Rd. Zion, IL 60099	d. Mailing Address SAME
e. Discrepancy Indication		<del></del>
		^ '
i nereby certify that the ab	pove named material has been accepted and to the best of	
f A	and Albers	(11) 3/29/2
Name of Authorized Agen	Signature	Receipt Date

Electronic Filing: Received, Clerk's Office 10/27/2022
ZION LANDFILL 523/6789
CERTIFIED NON-SPECIAL WASTE MANIFEST



Designated Facility	ZION LANDFILL		Internal No. 22/
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location:	Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
If the owner o	of the generating facility differs from the generator, provide:		Units
g. Owners Reps Name	e: BJ Korman	K. Quantity- Ld 1	Ld 5
h. Owners Phone No.:	Same		
i. Waste Profile No. :	#006789	Quantity- Ld 2  Quantity- Ld 3	Ld 7
j. Descri <b>ption of</b> Waste	e:C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
	is Agent for Owner	ne material matches th	
Section II	TRANSPORTER	-	
a. Transporter Name: b. Address: c. Driver Name / Title: d. Phone: e. Truck Number: f. Vehicle License No. Acknowledgement of F. Drivers Signature	1841 - 816 - 8828 $16$ /State: $3902072$		NOTES / COMMENTS
Section III a. Site Name: b. Physical Address:	DESTINATION Zion Landfill, Inc. 701 Green Bay Rd. Zion, IL 60099	c. Phone Number: d. Mailing Address	(847) 599-5921 SAME
e. Discrepancy Indicati	ion Space:		
I hereby certify that the	e above named material has been accepted and to the best of m	y knowledge the foregoing i	s true and accurate. 329/21  Receipt Date

ZION LANDFILL





Designated Facility	ZION LANDFILL	In	ternal No. 24
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location: Sa	me
c. Address:	2525 Greenfield Lane	d. Address:	
_	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
_	e generating facility differs from the generator, provide:		Units
g. Owners Reps Name:	BJ Korman	K. Quantity- Ld 1	5 Ld 5
h. Owners Phone No.:	Same		
_		Quantity- Ld 2	Ld 6
i. Waste Profile No. :	#006789	Quantity- Ld 3	Ld 7
j. Description of Waste: _	C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
	gent for Owner	the material matches the	3/31/2 Z— Shipment Date
Section II	TRANSPORTER		
a. Transporter Name:	ISARPALAS ENT INC	NO NO	TES / COMMENTS
b. Address:	7494 W HICKORY LN		
_	GRAKCAKE 16 60030		
c. Driver Name / Title:	MICHAEL ROGOZ		
d. Phone:	(847) 816 8828		
e. Truck Number:	1/		
f. Vehicle License No. / St	ate: 2.1 5/1 7		
Acknowledgement of Rec	<del></del>		
Manual Karaman Signature	Shipment Date		
Section III	DESTINATION		
b. Physical Address: 7	ion Landfill, Inc. 01 Green Bay Rd. ion, IL 60099	c. Phone Number: d. Mailing Address	(847) 599-5921 SAME
e. Discrepancy Indication	Space:		
I hereby certify that the ab	Albers	f my knowledge the foregoing is tru	ne and accurate.

ZION LANDFILL



Designated Facility    Section   I   GENERATOR	Ld 5 Units  Ld 6 Units  Ld 7 Units  Ld 8 Units - y = yard o = other
a. Generator Name: Lake County Industrial Warehouse, Inc. b. Generating Location c. Address: 2525 Greenfield Lane d. Address: North Chicago, IL 60064  e. Phone No.: 847-421-9256 f. Phone Number: If the owner of the generating facility differs from the generator, provide: g. Owners Reps Name: BJ Korman K. Quantity- Ld 1 h. Owners Phone No.: Same  Quantity- Ld 2 i. Waste Profile No.: #006789 Quantity- Ld 3 g. Description of Waste: C-Soil Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 5 Units  Ld 6 Units  Ld 7 Units  Ld 8 Units - y = yard o = other
c. Address:    North Chicago, IL 60064	Ld 5 Units  Ld 6 Units  Ld 7 Units  Ld 8 Units - y = yard o = other
e. Phone No.:  847-421-9256 f. Phone Number:  If the owner of the generating facility differs from the generator, provide:  g. Owners Reps Name: h. Owners Phone No.:  Same  Quantity- Ld 1  i. Waste Profile No.:  #006789 Quantity- Ld 3  j. Description of Waste:  C-Soil Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 5
e. Phone No.:    Reference   R	Ld 5
If the owner of the generating facility differs from the generator, provide:  g. Owners Reps Name: BJ Korman K. Quantity- Ld 1 h. Owners Phone No.: Same  Quantity- Ld 2 i. Waste Profile No.: #006789 Quantity- Ld 3  j. Description of Waste: C-Soil Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 5
g. Owners Reps Name: BJ Korman K. Quantity- Ld 1 h. Owners Phone No.: Same Quantity- Ld 2 i. Waste Profile No.: #006789 Quantity- Ld 3 j. Description of Waste: C-Soil Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 5
h. Owners Phone No.:  Same  Quantity- Ld 2  i. Waste Profile No.:  #006789  Quantity- Ld 3  j. Description of Waste:  C-Soil  Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 8 Units - y = yard o = other
i. Waste Profile No. : #006789 Quantity- Ld 2  j. Description of Waste: C-Soil Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 8 Units - y = yard o = other
i. Waste Profile No. : #006789 Quantity- Ld 3  j. Description of Waste: C-Soil Quantity- Ld 4  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 8 Units - y = yard o = other
j. Description of Waste: C-Soil Quantity- Ld 3  GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Ld 8 Units - y = yard o = other
GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Units - y = yard o = other
GENERATORS CERTIFICATION: I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	Units - y = yard o = other
I hereby certify that the above named material is not hazardous waste as defined by 40CFR I	, ,
condition for transportation according to applicable regulations; And, the material matches a profile number listed on line i.  Nicholas J. Cuzzone as Agent for Owner  Generator Authorized Agent Name  Signature  Section II  TRANSPORTER	proper
+ SC-1 00 165	NOTES / COMMENTS
b. Address: 19494 W HICKORY Ly 61645 CAICE T C 60030	
c. Driver Name / Title: JVM MALA	
d. Phone: 1847—816—88 28	1
e. Truck Number:	
f. Vehicle License No. / State: 34 - 020 TZ	18
Acknowledgement of Receipt of Materials	1
g. Nan Nava 3/3/22  Drivers Signature 3/3/22	
Section III DESTINATION	10.171.500.500
a. Site Name:       Zion Landfill, Inc.       c. Phone Number:         b. Physical Address:       701 Green Bay Rd.       d. Mailing Address         Zion, IL 60099       d. Mailing Address	(847) 599-5921 SAME
e. Discrepancy Indication Space:	
I hereby certify that the above named material has been accepted and to the best of my howledge he foregoing  f.  Name of Authorized Agent  Signature	is true and accurate.  33127  Receipt Date



## CERTIFIED NON-SPECIAL WASTE MANIFEST

Designated Facility	ZION LANDFILL		Internal No / _ /
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location:	Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
	the generating facility differs from the generator, provide:		Units
g. Owners Reps Name:	BJ Korman	K. Quantity- Ld 1	
h. Owners Phone No.:	Same		
		Quantity- Ld 2	Ld 6
i. Waste Profile No. :			
	#006789	Quantity- Ld 3	Ld 7
i Description of Moster	C-Soil	Quantity- Ld 4	Ld 8
j. Description of Waste:	<u></u>	Quantity- Ld 4	Units - y = yard o = other
GENERATORS CE  I hereby certify that	RTIFICATION: the above named material is not hazardous waste	as defined by 40CFR F	Part 261
or any applicable st	ate law, has been properly described, classified an	d packaged, and is in p	roper
condition for transpo	ortation according to applicable regulations; And, t	he material matches t	he
profile number list	ted on line i. $\sqrt{l_i l_i l_i} \cap l_i$	2	1 1
Nicholog I Common	Agent for Owner	uggne	4/0/22
Nicholas J. Cuzzone as Generator Authorized A			Shipment Date
Section II	TRANSPORTER		
a. Transporter Name:	TEADDAING WAT INC.	1	NOTES / COMMENTS
b. Address:	13 March 11) Harland 1 (4)		
b. Address.	GRAYSCANG 11 60030		
	Maryscarce 12 00000		
c. Driver Name / Title:	Michael 14060Z		
d. Phone:	847 816 8828		
e. Truck Number:			
f. Vehicle License No. /	State: 2/5// 2		
Acknowledgement of Re	eceipt of Materials		
[m 1//	0 1/1-		
Millelus	Liego 4/5/22		
Drivers Signature	Shipment Date		
Section III	DESTINATION	THE REAL PROPERTY.	15000
a. Site Name: b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd.	c. Phone Number. d. Mailing Address	(847) 599-5921 SAME
z Hydrodi / iddi 000.	Zion, IL 60099	a. manny / mancoo	Or Millia
e. Discrepancy Indicatio	on Space:		
		and the state of t	is the same of the
nereby certify that the a	above named material has been accepted and to the best of n	ny knowledge the foregoing	. /
. \L('	120	<del></del>	4-5.
Name of Authorized Age	ent Signature		Receipt Date





Designated Facility	ZION LANDFILL		Internal No. 37
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location:	Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		te,
e. Phone No.:	847-421-9256	f. Phone Number:	- sonce
If the owner of the	e generating facility differs from the generator, provi	ide:	The state of the s
g. Owners Reps Name: _	BJ Korman	K. Quantity- Ld 1	Ld 5
h. Owners Phone No.:	Same		NO COLL
i. Waste Profile No. :		Quantity- Ld 2	rq 6
L	#006789	Quantity- Ld 3	Ld 7
j. Description of Waste:	C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
or any applicable state	e above named material is not hazardous e law, has been properly described, classi tation according to applicable regulations; d on line i.  Gent for Owner	fied and packaged, and is in p	Part 261 roper
riscators and			Shipment Date
Section II	T SCIPALCS		NOTES / COMMENTS
a. Transporter Name:	120000		
b. Address:	8000	-	
	GINISTAKE IL GOBO		
c. Driver Name / Title:	3849 MANA		
d. Phone:	1847-810-3828		,
e. Truck Number:	16		
f. Vehicle License No. / Sta	ate: 14 020 T2		1/
Acknowledgement of Rece	eipt of Materials		(
g. JVLA NAL Drivers Signature	in C/5/22 Shipment Date		
Section III	DESTINATION		
b. Physical Address: 70	ion Landfill, Inc. 01 Green Bay Rd. ion, IL 60099	c. Phone Number: d. Mailing Address	(847) 599-5921 SAME
e. Discrepancy Indication S	Space:		
f.	ove named material has been accepted and to the	lest of my knowledge the foregoing	is true and accurate.  Receipt Date

Electronic Filing: Received, Clerk's Office 10/27/2022
ZION LANDFILL

23/117



Designated Facility	ZION LANDFILL		Internal No. $\mathcal{L}$
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location:	Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
If the owner of t	he generating facility differs from the generator, provide:		Units
g. Owners Reps Name:		K. Quantity- Ld 1	Ld 5
h. Owners Phone No.:	Same		
i. Waste Profile No. :	#006789	Quantity- Ld 2  Quantity- Ld 3	Ld 7
j. Description of Waste:	C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
or any applicable sta	Agent for Owner	nd packaged, <mark>and</mark> is in p	roper
Section II	TRANSPORTER		
a. Transporter Name:	TSARPAGES BUT INC		NOTES / COMMENTS
b. Address:	GRAYSLAKE 12 60030		
c. Driver Name / Title:	MICHAEL ROGOT		. 1
d. Phone:	(847) 816 8828		
e. Truck Number:			1/ 1
f. Vehicle License No. / S	State: 21 51/ Z		γ.,
Acknowledgement of Re	ceipt of Materials		
g. Muhal K	Shipment Date		
Section III	DESTINATION		
b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd. Zion, IL 60099	c. Phone Number:	(847) 599-5921 SAME
e. Discrepancy Indication	n Space:		
f. Name of Authorized Age	bove named projectial has been accepted and to the best of Signature	n knowledge the foregoing	is true and accurate.  Receipt Dat

## ZION LANDFILL



# りとう

Designated Facility	ZION LANDFILL	Internal No.	
Section I	GENERATOR	A PRINCIPLE OF THE PRIN	T
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location: Same	
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
If the owner of	f the generating facility differs from the generator, provide:		Jnits
g. Owners Reps Name	E BJ Korman	K. Quantity- Ld 1	
h. Owners Phone No.:	Same		
		Quantity- Ld 2 Ld 6 L	
i. Waste Profile No. :	#006789	Quantity- Ld 3 Ld 7	
j. Description of Waste	: C-Soil	Quantity- Ld 4 Ld 8 Units - y = yard o = other	
or any applicable s	t the above named material is not hazardous waste a state law, has been properly described, classified and portation according to applicable regulations; And, the sted on line i.	d packaged, and is in proper	
Generator Authorized A	Agent Name Signature	Shipment Date	
Section II	TRANSPORTER		
a. Transporter Name:	TSLIPALES	NOTES / COMMENTS	
b. Address:	6 rays lake IL Glosse		
c. Driver Name / Title:	Jum ward		
d. Phone:	1847-816-8828		
e. Truck Number:	16	1/2	
f. Vehicle License No.	/ State: 39 020 T2	ot	
Acknowledgement of F	Receipt of Materials	1	
g. Jv to ~	Shiphfent Date		
Section III	DESTINATION		
Site Name:     b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd. Zion, IL 60099	c. Phone Number: (847) 599-5921 d. Mailing Address SAME	
e. Discrepancy Indicati	on Space.		
I hereby certify that the	ebove named material has been accepted and to the best of m	ny knowledge the foregoing is true and accurate.	27
Name of Authorized Ag	Signature	Receipt Date	<u> </u>



Designated Facility	ZION LANDFILL	_	Internal No. 14
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location:	Same
c. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
If the owner of	the generating facility differs from the generator, provide:		Units
g. Owners Reps Name	:BJ Korman	K. Quantity- Ld 1	Ld 5
h. Owners Phone No.:	Same		
	p	Quantity- Ld 2	Ld 6
i. Waste Profile No. :	#006789	Quantity- Ld 3	15 to 7
j. Description of Waste:	C-Soil	Quantity- Ld 4	Ld 8 Units - y = yard o = other
or any applicable si condition for transp profile number lis Nicholas J. Cuzzone as Generator Authorized A	the above named material is not hazardous waste as tate law, has been properly described, classified and cortation according to applicable regulations; And, the ted on line i.  Agent for Owner agent Name  Signature	packaged, and is in p material matches the	art 261 roper
Section II	TRANSPORTER	1	NOTES / COMMENTS
a. Transporter Name.	TEARDACK BUT INC	<del>,  </del>	
b. Address:  c. Driver Name / Title: d. Phone: e. Truck Number: f. Vehicle License No. / Acknowledgement of R g. Muhasi Drivers Signature	eceipt of Materials  4/7/22 Shipment Date	/	VJ
Section III	DESTINATION	- Dhara Number	(047) 500 5004
Site Name:     b. Physical Address:	Zion Landfill, Inc. 701 Green Bay Rd. Zion, IL 60099	_ c. Phone Number: _ d. Mailing Address	(847) 599-5921 SAME
e. Discrepancy Indication	on Space:		
I hereby certify that the f. Name of Authorized Ag	above named material has been accepted and to the best of my ent	knowledge the foregoing	s true and accurate.

ZION LANDFILL



Designated Facility	ZION LANDFILL	Internal No. <u>14</u> 3	
Section I	GENERATOR		
a. Generator Name:	Lake County Industrial Warehouse, Inc.	b.Generating Location: Same	
. Address:	2525 Greenfield Lane	d. Address:	
	North Chicago, IL 60064		
e. Phone No.:	847-421-9256	f. Phone Number:	
If the owner of the	generating facility differs from the generator, provide:		Jnits
. Owners Reps Name:	BJ Korman	K. Quantity- Ld 1	
. Owners Phone No.:	Same		
_		Quantity- Ld 2 Ld 6 Ld 6	
i. Waste Profile No. :	#006789	Quantity- Ld 3 Ld 7	
Description of Waste:	C-Soil	Quantity- Ld 4 Ld 8 Units - $\gamma$ = yard o = other	
or any applicable state	gent for Owner	d packaged, and is in proper ne material matches the	
ection II	TRANSPORTER		
. Transporter Name:	rsal fales	NOTES / COMMENTS	
o. Address:	GLAYSLAKE IL 60030		
. Driver Name / Title:	1041 1040	$\dashv$	
. Phorie:	1844-810-88-8	$\dashv$ 1.6	
. Truck Number:	10	$\dashv$ $V$	
Vehicle License No. / Sta	te: $34 - 020 = 12$	┥ `	
cknowledgement of Rece	ipt of Materials		
TUCN NA Drivers Signature	va 4/1/22 Shipment Date		
ection III	DESTINATION	William Co.	
. Physical Address: 70	on Landfill, Inc. I1 Green Bay Rd. on, IL 60099	c. Phone Number. (847) 599-5921 d. Mailing Address SAME	_
. Discrepancy Indication S	Space:		
hereby certify that the abo	ove named material has been accepted and to the best of m	1 49/22	
lame of Authorized Agent	Signature	Redeipt Date	

WASTE MANIFEST	Malling Address	Plied For	. 1	2. Page 1 of   3. B	mergency Respon 800-424-936		4. Manifest	348	290 290	3 J	JK
5. Generator's Name and	Malling Address		1	7 - 3 Gen	rator's Site Addres	ss (if different					
25725	a noon OH	Id Anse		-pl	, , , ,,	270					
Generator's Phone:	larsh c	hicaso	,16 6	006 Y	4			11			
o. Italiapoller i Company	Name EL ENVIRONMENTA	,		I ITI IDE EM	USONNAENT:	a.i	U,S. EPA ID		LD98483	1304	
7. Transporter 2 Company	el.	E OLIVINICO OL	DAY HAM OND L.	OTOICE EIGH	31		U.S. EPA ID I		1040400	1300	_
- Heindrones 5 Combany	, Marie						1	ACH III/O		i i	
6. Designated Facility Nan	me and Site Address						U.S. EPAID	Number			
		TEGRATED TRE	EATMENT SY	STEMS (W)	T) =			11.004	3914209	N/	Ž.
708-880-0400	DOLTON, IL				•		1 .				-14
Facility's Phone:	scription (Including Proper Shi)	nning Name Hazard Cl	see ID Number		10. Cont	ainere	44 Tabel	40.150			иіт
9a. HM and Packing Grou		pping Name, mazera Ca	ass, ib lantingi,		No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	29
	RDOUS LIQUID WA	STE,	,				7 7 (1.9)		-47	14	
NON-REGI	JLATED BY D.O.T				1	777	3 200	G	magain but	15	
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	uctions and Additional Informs		ryl (a) Il statoje					. **			
5. GENERATOR'S/OFF marked and labeled/g Exporter, I certify that	uctions and Additional Informations  FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning minimization statement iden	I hereby declare that the ects in proper condition nent conform to the term	e contents of this or for transport accord ns of the attached E	onsignment are fu ding to applicable EPA Acknowledgm	International and na ent of Consent.	ational govern	mental regulations				
5. GENERATOR'S/OFF marked and labeled/r Exporter, I certify that I certify that the wastenerator's/Offeror's Print	PEROR'S CERTIFICATION: placarded, and are in all respet t the contents of this consigning e minimization statement iden ed/Typed Name	I hereby declare that the ects in proper condition nent conform to the term	e contents of this or for transport accord ns of the attached E	onsignment are fu ding to applicable EPA Acknowledgm	International and re ent of Consent. ) or (b) (if I am a sr	ational govern	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	nery
5. GENERATOR'S/OFF marked and labeled/r Exporter, I certify that I certify that the waste tenerator's/Offeror's Print	PEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning eminimization statement idented/Typed Name	I hereby declare that the ects in proper condition nent conform to the term atilied in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generator Signatum	International and ru ent of Consent. ) or (b) (if I am a sr	ational government quantity g	mental regulations	. If export sh	ipment and I	am the Prim	nary
5. GENERATOR'S/OFF marked and labeled/y Exporter, I certify that I certify that the wasts emerator's/Offeror's Printe 6. International Shipment ransporter signature (for	placarded, and are in all respet to the contents of this consigning eminimization statement identifications to the contents of	I hereby declare that the ects in proper condition nent conform to the term tilled in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generator	International and rulent of Consent. ) or (b) (if I am a sr	ational govern	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	nary
5. GENERATOR'S/OFF marked and labeled/y Exporter, I certify that I certify that the wasts enerator's/Offeror's Print 6. International Shipment Fransporter signature (for 7. Transporter Aging@led.	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consignin ed/Typed Name  2 2 0 0 0 Import to U.S exports only): grant of Receipt of Materials	I hereby declare that the ects in proper condition nent conform to the term tilled in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quentity generator Signaturi Export from U.S.	international and nu ent of Consent. ) or (b) (if I am a sr Port of o Date les	ational government quantity g	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	nary 1
5. GENERATOR'S/OFF marked and labeled/ Exporter, I certify that the wastenerator's/Offeror's Print 6. International Shipment ransporter signature (for 7. Transporter Admostled	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning eminimization statement idented/Typed Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generator Signatum	international and rulent of Consent.  or (b) (iff am a sr  Port of consent as a sr  Port of consent as a sr	ational government quantity g	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	nary 1
5. GENERATOR'S/OFF marked and labeled/ Exporter, I certify that I certify that the waste renerator's/Offeror's Printe for International Shipment fransporter signature (for 7. Transporter Admo@led. transporter 1 Printed/Type	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning eminimization statement iden ed/Typed Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quentity generator Signaturi Export from U.S.	international and rulent of Consent.  or (b) (iff am a sr  Port of consent as a sr	ational government quantity g	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	7 2
5. GENERATOR'S/OFF marked and labeled/ Exporter, I certify that I certify that the waste enerator's/Offeror's Printe fense of the control of the fense of the control of the control of the fransporter and of the control of the contr	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning eminimization statement iden ed/Typed Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	international and rulent of Consent.  or (b) (iff am a sr  Port of consent as a sr	ational government quantity g	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	7 2
5. GENERATOR'S/OFF marked and labeled/r Exporter, I certify that I certify that the waste renerator's/Offeror's Printe 6. International Shipment rensporter signature (for 7. Transporter Admowled rensporter 2 Printed/Type rensporter 2 Printed/Type 8. Discrepency	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning eminimization statement iden ed/Typed Name    Import to U.S exports only); gmant of Receipt of Materials ad Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	international and rulent of Consent.  or (b) (iff am a sr  Port of consent as a sr	ational government quantity g	mental regulations enerator) is true.	. If export sh	ipment and I	am the Prim	717
5. GENERATOR'S/OFF marked and labeled/r Exporter, I certify that I certify that the waste renerator's/Offeror's Printe 6. International Shipment rensporter signature (for 7. Transporter Admowled rensporter 2 Printed/Type rensporter 2 Printed/Type 8. Discrepency	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning eminimization statement iden ed/Typed Name    Import to U.S exports only); gmant of Receipt of Materials ad Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord ns of the attached E /(s) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	international and rulent of Consent.  or (b) (iff am a sr  Port of consent as a sr	ational government quantity g	mental regulations enerator) is true.	If export s	ipment and I	am the Prim	712
5. GENERATOR'S/OFF marked and labeled/r Exporter, I certify that I certify that the waste renerator's/Offeror's Printe 6. International Shipment rensporter signature (for 7. Transporter Admowled ransporter 2 Printed/Type ransporter 2 Printed/Type 8. Discrepency	FEROR'S CERTIFICATION: placarded, and are in all respect the contents of this consigning eminimization statement identification of the minimization statement identification of the minimization of the minimi	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord for transport accord for for the attached E 7(a) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	niemational and ni ent of Consent. ) or (b) (iff am a sr  Port of c Date les	ational government quantity g	mental regulations enerator) is true.	If export s	ipment and I	am the Prin	7/2
5. GENERATOR'S/OFF marked and labeled/r Exporter, I certify that I certify that the waste senerator's/Offeror's Printe 6. International Shipment fransporter signature (for 7. Transporter Adinowled ransporter 1 Printed/Type ransporter 2 Printed/Type 8. Discrepancy Indication	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning e minimization statement iden ed/Typed Name    Import to U.S exports only): gment of Receipt of Materials ed Name   Quantity	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord for transport accord for for the attached E 7(a) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	international and rulent of Consent.  or (b) (iff am a sr  Port of consent as a sr  Port of cons	ational government quantity g	mental regulations enerator) is true.	lf export s	ipment and I	am the Prin	712
5. GENERATOR'S/OFF marked and labeled/ Exporter, 1 certify that I certify that the wast Senerator's/Offeror's Print 6. International Shipment Fransporter signature (for 7. Transporter Agnowled Fransporter Printed/Type 8. Discrepancy Indicatio 8b. Alternate Facility (or 0	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning e minimization statement iden ed/Typed Name    Import to U.S exports only): gment of Receipt of Materials ed Name   Quantity	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord for transport accord for for the attached E 7(a) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	niemational and ni ent of Consent. ) or (b) (iff am a sr  Port of c Date les	ational government quantity g	mental regulations enerator) is true.	lf export s	ipment and I	am the Prin	TITE Y
5. GENERATOR'S/OFF marked and labeled/ Exporter, I certify that I certify that the wast Senerator's/Offeror's Print 6. International Shipment Transporter signature (for 7. Transporter Agnowled Transporter Printed/Type 8. Discrepancy Indication 8b. Alternate Facility (or Capillity's Phone:	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning e minimization statement iden ed/Typed Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord for transport accord for for the attached E 7(a) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	niemational and ni ent of Consent. ) or (b) (iff am a sr  Port of c Date les	ational government quantity g	mental regulations enerator) is true.	lf export s	ipment and I	am the Prin nth Day 7 17 17 17 17 17 17 17 17 17 17 17 17 17	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
5. GENERATOR'S/OFF marked and labeled/ Exporter, 1 certify that I certify that the wast Senerator's/Offeror's Print 6. International Shipment Fransporter signature (for 7. Transporter Agnowled Fransporter Printed/Type 8. Discrepancy Indicatio 8b. Alternate Facility (or Capillity's Phone:	FEROR'S CERTIFICATION: placarded, and are in all respet the contents of this consigning e minimization statement iden ed/Typed Name	I hereby declare that the ects in proper condition nent conform to the term at lifed in 40 CFR 262.27	e contents of this or for transport accord for transport accord for for the attached E 7(a) (if I am a large of	onsignment are fu ding to applicable EPA Acknowledgn quantity generally Signallyn Export from U.S.	niemational and ni ent of Consent. ) or (b) (iff am a sr  Port of c Date les	ational government quantity g	mental regulations enerator) is true.	lf export s	ipment and I	am the Prin	7/17
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CL	WASTE MANIFEST 1. Generator D Number	2. Page 1 of 3. Em	1		4. Manifest	348	1577	JJk	
1:	Generator's Name and Mailing Address  A ST 253 6 Teen Fiel  Onerator's Phone:  A ST 253 6 Teen Fiel  Onerator's Phone:	DLN C999 I	tor's Site Address	(If different th	nan mailing addres	s)			_ 1
	Transporter 1 Company Name OFL ENVIRONMENTAL SERVICES USA INC dt			l.	U.S. EPAID N		D9846313	98	
7,	Transporter 2 Company Name				U.S. EPAID N	lumber	4		-
8.	Designated Facility Name and Site Address	-			U.S. EPA ID N	lumber		15.00	1
11	08-880-0400 WATER INTEGRATED TREATMENT 14763 GREENWOOD RD. DOLTON, IL 60419	SYSTEMS (WIT)	(	1.8	1	H.D043	3914209	14	te.
9	On the port provides for lating Provides No. (No. 10 No. 1	рет,	10. Contai	ners Type	11. Total Quantily	12. Unit	13. Wa	ste Codes	
GENERATOR -	1. NON-HAZARDOUS LIQUID WASTE, NON-REGULATED BY O.O.T		1,	17'	3890	G .	= 4/	4	
- GENE	2.					<u>.</u>	4		
	3.					NO.			
14	4.								
15 G		according to applicable Int ched EPA Acknowledgmer	emational and hat it of Consent.	ional governm	nental regulations.				Year
16	Ainternational Shipments Import to U.S.	Export from U.S.	Port of er Date leav		1		8111 1		1
<b>E</b> 17	ansporter signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name	Signature	06		Pell	2	Month	Dey_	Year
Th	ansporter 2 Printed/Typed Name	Signature					Month	Day	Year
	Discrepancy  a. Discrepancy Indication Space Quantity Type		Residue		Partial Rej	ection		Full Rejectio	n -
18	b. Alternate Facility (or Generator)		lanifest Reference	Number:	U.S. EPAID N	lumber			
- Busses	cility's Phone: c. Signature of Alternate Facility (or Generator)						Month	Day	Year
19	. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste to	reatment, disposal, and re	cycling systems)		4.				
Pr	Designated Facility Owner or Operator: Certification of receipt of hazardous materials counted/Typed Name	Signature	ept as noted in Item	n 18a	141		Month	Day	Year

	OVERM HAZARDOUS STE MANIFEST	. Generator ID Number	,		ergency Response P 800-424-9300		4. Manifest	Tracking Nu	Approved.		JK
5. Gene	rator's Name and Mailing	Address Er 2525 gras	Erab Li	Gener	ator's Site Address (If	different (h	an melling addre	88)			
	tor's Phone:	1.611 Chic	cry 11 60	6661							
6. Trans	porter 1 Company Name GFL El	Wironmental ser			IRONMENTAL		U.S. EPA ID		.D98483	1396	
7. Trans	porter 2 Company Name	-			1		U.S. EPA ID	Number			
D. Du-fa	1 3 T 286 44	70. 4.1					1			1	
815	nated Facility Name and 668-9070 Shore:	SPECIAL WASTE 1140 E. BROOKN KANKAKEE, IL 8	MONT BLVD.		,	'Ye	U.S. EPAID		55308	7,	ţ
9a. HM	9b. U.S. DOT Description and Packing Group (if an	(including Proper Shipping Nam y))	ne, Hazard Class, ID Numb	er,	10. Containe	rs Type	11. Total Quantity	12. Unit Wt./Vol.	13. V	Vaste Code	HS
1	NON-HAZARDO	OUS LIQUID WASTE,			1	TE	Gio	G			
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General	or's/Offeror's Printed/Type	d Name		Signature	AND THE RESERVE				Mon	h Day	
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-	repancy										
18a. Dis	crepancy Indication Space	e Quantity	Туре		Residue		Partial Re	jection		_ Full Reje	ection
18b. Alle	ernate Facility (or General	or)			Manifest Re <u>terence N</u>	MITTELL.	U.S. EPA ID (	Number			
Facility's 18c, Sig	Phone: nature of Alternate Facility	y (or Generator)		492					Mor	ith Day	y Yes
19. Haza	ardous Waste Report Man	agement Method Codes (i.e., co	odes for hazardous waste to	reatment, disposal, and n	ecycling systems)	, A				0	
1.	, and a series in the	2.		3.	A comment of the second		4.		11		
20. Desi	gnated Facility Owner or	Operator: Certification of receipt	of hazardous materials cov	vered by the manifest exc	ept as noted in item 1	18a		,		_	
	Typed Name	1		Signalure	1/1	17	11/11	,	Mon	th Day	Yea
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or type. Applied To	WI	210	19.		Form	Approved.	OMB No. 20
DRM HAZARDOUS 1. Generator ID Number 2 2, Page 1.of 3. Emergency Response Phone STE MANIFEST 800-424-9300		4. Manifest	348	314	7 JJ		
5. Generator's Name and Mailing Address EMCO Changed  (773792 2525 Green, eld Lo  Generator's Phone: North Chicago IL (M	Generate	or's Site Address	s (If different I	han malling addre			
6. Transporter 1 Company Name				U.S. EPAID		(NO. 100)	000
GFL ENVIRONMENTAL SERVICES USA INC dba f 7. Transporter 2 Company Name	TORE ENVIR	ONMENTA	il.	U.S. EPAID		D984831	1340
( nonepolisis = company ( tang				1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		200
8. Designated Facility Name and Site Address  WATER INTEGRATED TREATMENT SY  708-880-0400 14753 GREENWOOD RD.  DOLTON, IL 60419	STEMS (WIT)	,	154	U.S. EPA ID I		3914209	No.
Child DOTE of the Control of the Con	-	10. Conta	iners	11. Total	12. Unit		
98. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		No.	Туре	Quantity	Wt./Vol.	13.	Waste Codes
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	consignment are fully a	nd accurately d	escribed above	ua by the proper of	níanlag nam	o and are clas	esified parkage
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UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of			T - 10 10 10			B No. 2050-0
WASTE MANIFEST 0971255/16				348:	1576	JJK
5. Generator's Name and Mailing Address  A S S S C C C C C C C C C C C C C C C C	Generator's Site Address	s (if different t	han mailing addres	s)	<i>#</i> ,	
6. Transporter 1 Company Name  GFL ENVIRONMENTAL SERVICES USA INC. doa FUTURI	E ENVIRONMENTA	Ĺ	U.S. EPAID N		D98483139	6
7. Transporter 2 Company Name	21/2		U.S. EPA ID N	lumber		,
8. Designated Facility Name and Site Address  WATER INTEGRATED TREATMENT SYSTEMS  14763 GREENWOOD RD.  DOLTON, IL. 60419	S (WIT)	n n	U.S. EPA ID N		1914209	\$ H
Facility's Phone:  9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Conta	iners Type	11. Total Quantity	12, Unit	13. Was	te Codes
1 NON-HAZARDOUS LIQUID WASTE, NON-REGULATED BY D.O.T	1	TT	3×90	G	I/18	
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CAUCK PHILDS	Signature ()	21	Reli	Di	Month	Day Yes
and the same	Signatur <del>e</del>	-			Month	Day Yes
18. Discrepancy  18a. Discrepancy Indication Space Quantity Type	Residue	a Number	Partial Reju	ection,		Full Rejection
18b. Alternate Facility (or Generator)  Facility's Phone:	Mannest Remedic	a Mullipol.	U.S. EPA ID N	lumber		
18c. Signature of Alternate Facility (or Generator)	-				Month	Day Ye
19. Hazardous-Waste Report Management Method Codes (i.e., codes for hezerdous waste treatment, dispo	sal, and recycling systems)		4.		,v	,

shint or type.	WIND	2. Page 1 of 3. Emergency Response Phone			Form Approved. OMB No. 2050-00				
UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST	Mary Mary	Pa :	1	02	348	157	5 1.	JK	
5. Generator's Name and Mailling Address	General	or's Site Address	(if pifferent th	an mailing addres	s)	÷	4		
3232 000	17 FLO	**		To Aller	(경기 목) (영화	71	46		
Generator's Phone: 5. Transporter 1 Company Name	647041		10.11	U.S. EPA ID N	lumber	57	_	_	
• OFLENVIRONMENTAL SERVICES USA II	IC doa FUTURE ENVIR	ONMENTA	13	0.3. EFAID I		D984631	398	- 0	
f, Transporter 2 Company Name				U.S. EPAID, N	lumber	-	30	5	
Designated Facility Name and Site Address		- 1	-	U.S. EPAID N	limber		- 0	4	
WATER INTEGRATED TREATM	ENT SYSTEMS (WIT)		70%	0.0.2.7.10		3914209	ni.		
708-880-0400 14753 GREENWOOD RD DOLTON, 8, 60416			P						
Facility's Phone:  9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, IC	Number	10. Contai	ners	11. Total	12. Unit	Para de	10		
HM and Packing Group (if any))	( tallison)	No.	Туре	Quantity	Wt,/Vol.	24 3 da. v	Vaste Code		
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Electronic Filing; Received, Clerk's Office 10/27/2022 Form Approved. OMB No. 2050-0039 a print or type. 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 860-424-9300 WASTE MANIFEST Generator's Site Address (if different than mailing address) 5. Generator's Name and Mailing Address Generator's Phone: U.S. EPA ID Number 6. Transporter 1 Company Name GFL ENVIRONMENTAL SERVICES USA INC doa FUTURE ENVIRONMENTAL H.D984831396 7. Transporter 2 Company Name U.S. EPAID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) H.D043914209 14753 GREENWOOD RD. 708-880-0400 **DOLTON, IL 60419** Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) Quantity Wt./Vol. HM No. Type NON-HAZARDOUS LIQUID WASTE. NON-REGULATED BY 0.0.1 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I cartify that the waste minimization statement debtified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is live. Generator's/Offeror's Printed/Typed Name 16, International Shipments Port of entry/exit: Export from U.S. Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name, Signature Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Туре Residue Partial Rejection Full Rejection Quantity Manifest Reference Number: U.S. EPA ID Number 18b. Alternate Facility (or Generator) FACILITY Facility's Phone: Day 巴 Year 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardoùis materials covered by the manifest except as noted in Item 18a Printed/Typed Name EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Electronic Filing: Received, Clerk's Office 10/27/2022 Form Approved. OMB No. 2050-0039 Please print or type. 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 023481 800-424-9300. WASTE MANIFEST 5. Generator's Name and Mailing Addre Generator's Site Address (if different than mailing address) Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number GFL ENVIRONMENTAL SERVICES USA INC doa FUTURE ENVIRONMENTAL 11.0984831396 U.S. EPA ID Number 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) 11.0043914200 14753 GREENWOOD RD. 708-880-0400 DOLTON, IL 00419 Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Narrie, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes нм and Packing Group (if any)) Quantity Wt./Vol. No. Type NON-HAZARDOUS LIQUID WASTE, NON-REGULATED BY D.O.T GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Year 16. International Shipments... Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month. Day Year **TRANSPORT** Transporter 2 Printed/Type N 18. Discrepancy 18a. Discrepancy Indication Space Full Rejection Residue Partial Rejection Quantity 16b. Alternale Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day 19. Hazardous-Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Electronic Filing, Received, Clerk's Office 10/27/2022 a print or type. Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 2. Page 1 of 3. Emergency Response Phone **WASTE MANIFEST** 900-424-9300 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) Generator's Phone U.S. EPA ID Number 6. Transporter 1 Company Name GFL ENVIRONMENTAL SERVICES USA INC due FUTURE ENVIRONMENTAL 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) JLD043014209 44753-GREENWOOD-RO DOLTON, IL-69419. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unil 13. Waste Codes and Packing Group (if any)) HM Quantity Wt./Vol. Туре NON-HAZARDOUS LIQUID WASTE, GENERATOR 77 G NON-REGULATED BY D.O.T 14. Special Handling Instructions and Additional Information PROFIE # 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and tabeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if 1 am a large quantity generator) or (b) (if1 am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name OMER 16. International Shipments Export from U.S. Pott.of,entry/exit; Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials **IRANSPORTER** Transporter 1 Printed/Typed Name Signisture Year Transporter 2 Printed/Typed Name Signature 18. Discrepancy 18a, Discrepancy Indication Space Residue ☐ Partial Rejection Full Rejection Quantity Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generalor) Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste (reatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator; Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete

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Electronic Filing: Received, Clerk's Office 10/27/2022 print or type. Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS. **WASTE MANIFEST** 800-424-9300 5. Generator's Name and Malling Address Generator's Site Address (if different than malling address) Generator's Phone GFL ENVIRONMENTAL SERVICES USAING the FUTURE ENVIRONMENTAL ILD984831396 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) ILD043914209 14783 GREENWOOD RD. 708-880-0400 DOLTON, IL 80419 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number 10. Containers 11. Total 12. Unit 13. Waste Codes HM and Packing Group (if any)) Quantity Wt./Vol: Туре NONHAZARDOUS LIQUID WASTE, NON-REGULATED BY D.O.T 17 (3 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (If I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name 16. International Shipmehts Export from U.S. Port of entry/exit: Date leaving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature TRANSPORT Transporter 2 Printed/Typed Nam 18. Discrepancy 18a. Discrepancy Indication Space Residue Full Rejection Partial Rejection Manifest Reference Number 18b. Alternate Facility (or Generator) U.S. EPA ID Number DESIGNATED FACILITY Facility's Phone: 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed-Name

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolète:

Electronic Filing; Received, Clerk's Office 10/27/2022 Form Approved. OMB No. 2050-0039 a print or type. UNIFORM HAZARDOUS 1. Generator ID Number 2. Page-1 of 3. Emergency Response Phone 800-424-9300 **WASTE MANIFEST** Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) Generator's Phone 6. Transporter 1 Company Name GFL ENVIRONMENTAL SERVICES USA INC don FUTURE ENVIRONMENTAL ILD984831390 7. Transporter 2 Company Name U.S. EPAID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) II.D043914309 14753 GREENWOOD RD. 708-880-0400 DOLTON, IL 60410 Facility's Phone 9b, U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, 11. Tota 12. Unit 13. Waste Codes and Packing Group (if any)) HM Quantily Wt./Vol Туре NOR HAZARDOUS LIQUID WASTEL NON-REGULATED BY D.O.T 15.50 GENERAL GENERATOR'S/OFFEROR'S CERTIFICATION: I person disclaim that the contents of this consignment are unlikely described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper Singition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Genérator's/Offeror's Printed/Typed Name 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Transporter 2 Printed/Typed Name 18. Discrepancy 16a. Discrepancy Indication Space Туре Partial Rejection Full Relection 18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Electronic Filing: Received, Clerk's Office 10/27/2022 e print or type. Form Approved, OMB No. 2050-0039 UNIFORM/HAZARDOUS- 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number **WASTE MANIFEST** 800-424-9300 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) Generator's Phone: GFL ENVIRONMENTAL SERVICES USA INC doa PUTURE ENVIRONMENTAL ILD984831398 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) 输 ILD043914209 14753 GREENWOOD RD. 708-880-0400 **DOLTON, IL 60419** Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM Wt./Vol Quantity Type NON-HAZARDOUS LIQUID WASTE, GENERATOR NON-REGULATED BY D.O.T. G 14. Special Handling Instructions and Additional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name 16. International Shipments. Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name **RANSPORT** Transporter 2 Printed/Typed Name 18. Discrepancy 16a. Discrepancy Indication Space Type Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: SN 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as indeed in Item 18a Printed/Typed Name Slopature EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

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Electronic Filing: Received, Clerk's Office 10/27/2022 e print or type. Form Approved, OMB No. 2050-0039 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 800-424-9300 **WASTE MANIFEST** 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) U.S. EPAID Number 6. Transporter 1 Company Name H.D984631396 GFL ENVIRONMENTAL SERVICES USA INC dua FUTURE ENVIRONMENTAL 7. Transporter 2 Company Name U.S. EPAID Number 8. Designated Facility Name and Site Address ... U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) M,D043914209 14753 GREENWOOD RD. 708-880-0400 DOLTON, IL 60419 Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) Wt./Vol. НМ Quantity No. Type NON-HAZARDOUS LIQUID WASTE, SENERATOR NON-REGULATED BY D.O.T 15. GENERATOR SIOFFERGR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper stilpping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Partial Rejection Full Rejection Manifest Reference Number 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Day Month 19: Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed-Name

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tling: Received, Clerk's Office 10/27/2022 Form Approved, OMB No. 2050-0039 ase print or type. 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 800-124-0300 WASTE MANIFEST 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) Generator's Phone: Transporter 1 Company Name SERVICES USA INC dos PUTURE ENVIRONMENTAL 11,0984831396 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number SPECIAL WASTE DISPOSAL N 0910555300 1140 E. BROOKMONT BLVIA 816-658-0070 KANKAKEE, IL GÜƏÜT Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Type 1NOTH AZARDOUS LIQUID WASTE, 77 1 G NON-REGULATED BY D.O.T. 14. Special Handling Instructions and Additional Information GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are dassified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantify generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Signature Year 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.; 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Year Signature Month **FRANSPORT** Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Partial Rejection Full Rejection Manifest Reference Number. U.S. EPA ID Number 18b. Alternate Facility (or Generator) ED FACILITY Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year DESIGNAT 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous weste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name

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Electronic Filing: Received, Clerk's Office 10/27/2022 Form Approved, OMB No. 2050-0039 .ease print or type. 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone 1. Generator ID Nymber UNIFORM HAZARDOUS 23481 800-424-9300 WASTE MANIFEST Generator's Sité Address (if different than mailing address) 5. Generator's Name and Mailing Address Generator's Phone U.S. EPAID Number 6. Transporter 1 Company Name GFL ENVIRONMENTAL SERVICES USA INC doa FUTURE ENVIRONMENTAL H\_D984831390 U.S. EPA ID Number 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address water integrated treatment systems (vat) X ILD043914209 14753 GREENWOOD RD. 708-880-0400 DOLTON, IL 60410 Facility's Phone 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) Quantity Wt./Vol. HM No. Type NON-HAZARDOUS LIQUID WASTE, GENERATOR (3 NON-REGULATED BY D.O.T. 14. Special Handling Instructions and Additional Information -? 1 -15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name 16. International Shipments Port of entry/exit Export from U.S. Import to U.S. Date leaving U.S. Transporter signature (for exports only): 17, Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature **Year** Transporter 2 Printed/Typed Name Month Year 18. Discrepancy Туре 18a. Discrepancy Indication Space Residue Full Rejection Partial Rejection Quantity Manifest Reference Number U.S. EPA | D Number 18b. Alternate Facility (or Generator) Facility's Phone: Month Day 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature A AN 1 /2 the at Burn EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

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Electronic, Filing: Received, Clerk's Office 10/27/2022 Form Approved. OMB No. 2050-0039 Please print or type. 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS 023481 800-424-9300 **WASTE MANIFEST** 5. Generator's Name and Malling Address Generator's Site Address (if different than mailing address) Generator's Phone: U.S. EPAID Number 6. Transporter 1 Company Name GFL ENVIRONMENTAL SERVICES USA INC dos FUTURE ENVIRONMENTAL HLD004831396 U.S. EPA ID Number 7. Transporter 2 Company Name . 4 8. Designated Facility Name and Site Address U.S. EPA ID Number WATER INTEGRATED TREATMENT SYSTEMS (WIT) B.D043914209 14753 GREENWOOD RD. 708-880-0400 DOLTON, IL 60419 Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Linit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Туре 1.NON-HAZARDOUS LIQUID WASTE, NON-REGULATED BY D.O.T G 14. Special Handling Instructions and Additional Information GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classifled, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I cartify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small-quentity generator) is true. Generalor's/Offeror's Printed/Tyged Name 16 International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Transporter 2 Printed/Typed Name Month Signature 18. Discrepancy 18a. Discrepancy Indication Space Full Rejection Quantity Partial Rejection Residue Manifest Reference Number U.S. EPA ID Number 18b. Alternate Facility (or Generator) 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

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Electronic Filing: Received, Clerk's Office 10/27/2022 Form Approved, OMB No. 2050-0039 wint or type. 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 8016424-8310 2348 WASTE MANIFEST Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) 6. Transporter 1 Company Name U.S. EPAID Number U.D984831396 GEL ENVIRONMENTAL SERVICES USA INC IDA FUTURE ENVIRONMENTAL U.S. EPA ID Number 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designaled Facility Name and Site Address WATER INTEGRATED TRUTTMENT SYSTEMS WITH ILD043814209 14763 GREENWOOD RO. 708-800-0400 DOLTON, IL 60419 Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 13. Waste Codes and Packing Group (If any)) Quantity Wt./Vol. HM Туре INON-MAZARDOUS LIQUID WASTE, GENERATOR T.O.G VE GETALUŞÜR-NÖN 14. Special Handling Instructions and Additional 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. 1 certify (hat the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year 16. International Shipments Import to U.S Export from U.S. Port of entry/exit: Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature **FRANSP** Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Partial Rejection Full Rejection Quantity Manifest Reference Number: U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: Month Day Year 18c. Signature of Alternate Facility (or Generator) 19-Hazardidus Waste Report Management Method Codes (i.e., codes for hazardidus waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signajuțe EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

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Electronic Filing: Received, Clerk's Office 10/27/2022 35419 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone **WASTE MANIFEST** 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) E mc O Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number WITS 4719 70 14 AVR (200 1700log Kenusha was 534 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM Quantity Wt./Vol. No. Туре NON GENERATOR Hail 14. Special Handling Instructions and Additional Information 16. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name 16. International Shipments \_ Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name MINN Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Туре Partial Rejection Quantity Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

Electronic Filing: Received, Clerk's Office 10/27/2022 35420 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone 414 7019421 **WASTE MANIFEST** 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) U.S. EPA ID Number 6. Transporter 1 Company Name 16000122358 U.S. EPA ID Number 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address U.S. EPA ID Number 4719 76 4 AVE. 000170068 KANOSHA, WIE 53414 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 9a. 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Туре NGA GENERATOR 14 14. Special Handling Instructions and Additional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA.Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Signature Year 21 122 6 16. International Shipments Export from U.S. Import to U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Narcen comeis 2. Transporter 2 Printed/Typed Name Signature Month 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity Full Rejection

18. Discrepancy Indication Space Quantity Type Residue Partial Rejection

| Residue | Partial Rejection | Full Rejection | Residue | Partial Rejection | Residue | Residue | Residue | Residue | Residue | Residue | Res

Signature

Printed/Typed Name

12 Page

### **LEAKING UST TECHNICAL REVIEW NOTES**

Reviewed by: Nathan Fox Re: 0971255169 -- Lake County

Date Reviewed: 5/11/2022 North Chicago/EMCO Chemical Distributors,

Inc.

2525 Greenfield Lane

Leaking UST Incident 20220253 Leaking UST Technical File

### **Document(s) Reviewed:**

45-Day Report/CACR

#### **General Site Information:**

Site subject to: 734

IEMA date(s): 03/24/2022	Payment from the Fund? (Y/N/unknown): U				
UST system removed? (Y/N): Y	OSFM Fac. ID #: 2047356				
	OSFM Database				
Encountered groundwater? (Y/N/unknown):	SWAP mapping and evaluation completion				
N	date: 5/6/2022 <u>Open SWAP</u>				
Free product? (Y/N/unknown): N	Site placement correct in SWAP? (Y/N): Y				
_	-				
Current/past land use: Vacant land/future site	Inspection Required? (Date/Plan):				
will be warehouse building	NA				
Size & product of USTs: 2-10,000-gal heating	oil and 1-12,000-gal heating oil tank				
Is site located in EJ area? Y	Is investigation of indoor inhalation exposure				
EJ Form	route required? N				
	VI Incomplete Pathway Checklist				
Has enough sampling been completed to	PLA Checklist Complete? N				
perform a Right-to-Know Evaluation? Y	PLA Checklist				
RTK Form					

Database Update Worksheet (Pink Sheet)

**BOL File Information**:(optional) (Arranged chronologically):

#### 45-Day Review Notes:

- 30 cubic yards of backfill material excavated. 90 cubic yards of native soil has been excavated.
- Approximately 450 cubic yards of soil and concrete were excavated from this site to Zion Landfill.
- There are currently 4 current/historical wells located within 2,500 feet of site, however they are at not located within the setback zone for wells.
- S-BF was the backfill sample, taken on 3/24/22.
- Soil samples S-1 through S-8 were sampled on 3/24/22.
  - o Soil samples S-9 and S-10 were sampled on 4/1/22.
  - o Soil samples S-11 through S-17 were sampled on 4/6/22.

### Page 2

- Tier 1 soil remediation objectives for residential land use and Class I Groundwater were exceeded by samples S-1, S-6, S-8.
  - o The resulting walls were resampled for BETX and PNAs. No concentrations for BTEX or PNAs were above TACO Tier 1 SROs in these samples.
  - o On April 6<sup>th</sup> soil sample S-1, S-6, and S-8 locations were excavated. Approx. 120 cubic yards of contaminated soil were transported to Zion for disposal.
- USTs were removed on March 24<sup>th</sup> and April 5<sup>th</sup>.
- The excavation was backfilled with imported crushed stone.
- Maximum depth of excavation was 13 feet.
- Two soil samples were obtained for the floor of the excavation beneath each UST (S-9 through S-14).
  - o Eight wall samples were obtained (S-1 through S-8)
  - o One backfill sample (S-BF)
- The UST excavation measured approximately 65 feet from North to South, approx. 20 feet east to west, and approx. 13 feet in depth.
- Reason for exponential amount of water removed from site was because of following problems at site according to consultant:
  - o Following up on this after speaking with my field personnel, it appears the downspout form the east adjacent building was discharging right into the area where the tanks were being removed which added an immense amount of water to the excavation. Also, apparently the water line that is to the east of the excavation had been leaking for some time. The owner had a plumber repair the line which finally stopped the infiltration of water. I believe these are the reasons for so much water being pumped there.
- 6/8/22 Questioned consultant about backfill sample and this was the response:
  - As the tank removals progressed the backfill material was removed along with the remainder of the concrete tanks. No backfill was returned to the excavations. Nick.
- Stage 1 Groundwater investigation is needed next per Brian's request.
- 7/13/22 EPS (Nick Cuzzone is Consultant), said client is wanting to appeal the requirement for groundwater investigation.
  - o Thompson Coburn out of St. Louis appeal.

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Approve

**Response Due:** 

8/23/2022

\*Red Fields denote required data

Leaking UST Patabase, Update Morkshept 22

Incident(s): 20220253					Site Nar	me: EMCO Ch	emical Distributors, Inc.		
BL_ID/(LPC)#:	IEMA	Date:		PM: Fox	Site Add		, , , , , , , , , , , , , , , , , , , ,		
PRP:		Attn:			Site City		Site Zip:		
PRP Address:			PF	RP Phone:	Consul	tant EPS Envi	ronmental Services, Inc.		
PRP City:		PRP	State:	PRP Zip:					
Database Comments:					□No □Pro	eating OII Letter on-Lust Letter e-74 Letter R Reissued	If a Heating Oil or NFR Letter was sent, were <u>ALL</u> tanks associated with this incident heating oil tanks?  Yes - Heating Oil Only- (Not Federally Regulated) Date: <b>05/11/22</b>		
Form Comments:							O No		
Would you please add	stage 1 plar	and bu	dget to	title xvi list.	1 41 15,5	Does this letter achieve closure for ALL tanks associated with this Incident? Yes, Incident Closed No			
					EJ Status* Both (Red) EJ Memo Date 05/11/22				
						AND THE RESERVE OF THE PERSON NAMED IN	upon submission of a CAP or CACR.		
Title XVI Report Type	Received	Decision	PLA	RTK Status	RTK Date	Field Notification Required	Is this an NFR? O Yes No		
45 DAY	04/25/22	APR	(E)	Reviewed-Not Referred	05/11/22		Letter Date:		
CACR	04/25/22	DEN	E	Reviewed-Referred	05/11/22		Letter Date:		
STAGE 1 SIP	06/08/22	APR		Reviewed-Not Referred	06/08/22		11111		
STAGE 1 PROPOSED BUDG	ET 06/08/22	APR		Reviewed-Not Referred	06/08/22		(For Tonya's Use Only)		
No Entry				Not Reviewed			Manager Approval:		
General Event Type	Received	RTK S	tatus	RTK Date			(Initials)		
No Entry			eviewed		TE Y				
No Entry		Not R	eviewed						



### Electronic Eiling: Received, Clerk's Office 10/27/2022 Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

# Leaking Underground Storage Tank Section Indoor Inhalation Exposure Route Checklist

**Applicability:** This checklist may be used to exclude the indoor inhalation exposure route in accordance with 35 Illinois Administrative Code (III. Adm. Code) Section 742.312. This checklist shall be applied during the development of a site investigation completion report (SICR) and corrective action plan (CAP), if applicable, and may be reapplied after completion of a corrective action plan proposing active remediation.

Reviewed	By: Nathan Fox	Generator #: 0971255169	County: Lake
Date Review	/ed: 5/11/2022	Incident #: 20220253	City: North Chicago
		Site Name: EMCO Chemical Distrib	outors , Inc.
		Site Address: 2525 Greenfield Lane	
			Leaking UST Technical F
. Do you hav	ve volatile chemicals at	your site per 35 III. Adm. Code 742. Appendi	ix A. Table J?
Yes	<b>⊘</b> No		
If No: No f	further evaluation of the	e indoor inhalation exposure route is required	. Skip ahead to the Conclusion.
2. Was groun	dwater encountered at	the site?	
○Yes	○ No		
If Yes: Ski	p ahead to question 5.		
3. Do benzen	e concentrations in the	soil exceed 10 mg/kg?	
○Yes	○ No		
If No: Skip	ahead to question 12.		
10 mg/kg b	etween the soil exhibit	esidual LNAPL): Is there at least 15 feet of so ing benzene concentrations greater than 10 r surface if there is no overlying receptor?	oil exhibiting benzene concentrations less than mg/kg and the lowest point of a building
○ Yes	○ No		
	luation of the indoor inho ahead to the Conclusi	nalation exposure route in accordance with 35 ion.	5 III. Adm. Code 742 is required.
If Yes: Ski	p ahead to question 10	).,	
i. Has the gr	oundwater plume been	defined to the Class I standards for the volat	ile chemicals?
○ Yes	○ No		
If No: Add	itional investigation is r	required to define the groundwater plume before	ore completing this form.

6.	LNAPL/R	esidual LNAPL Electronic Filing: Received, Clerk's Office 10/27/2022
		ee product exceeding one-eighth of an inch in depth as measured in a monitoring well?
	○Yes	○ No
	Do benze	ne concentrations in groundwater exceed 5 mg/L?
	○Yes	○ No
	Do total B	ETX concentrations in groundwater exceed 20 mg/L?
	○Yes	○ No
	Do benze	ne concentrations in soil exceed 10 mg/kg?
	○Yes	○ No
	If Yes (fo	r <u>any</u> of these questions): Skip ahead to question 9.
7.	Do benze	ne concentrations in groundwater exceed the Class I standard (0.005 mg/L)?
	○Yes	○ No
	If No: Ski	p ahead to question 12.
8.	concentra point of a	eparation Screening (Dissolved Groundwater Plume): Is there at least five feet of soil exhibiting benzene tions less than 10 mg/kg between the highest measured groundwater elevation in a monitoring well and the lowest building foundation/crawl space or ground surface if there is no overlying receptor?  No
	If Yes: S	kip ahead to question 10.
		aluation of the indoor inhalation exposure route in accordance with 35 III. Adm. Code 742 is required. ip ahead to the Conclusion.
9.	than 10 m elevation	eparation Screening (LNAPL/Residual LNAPL): Is there at least 15 feet of soil exhibiting benzene concentrations less ng/kg between the highest measured free product elevation in a monitoring well or the highest measured groundwater in a monitoring well and the lowest point of a building foundation/crawl space or ground surface if there is no receptor?  No
	If No: Eva	aluation of the indoor inhalation exposure route in accordance with 35 III. Adm. Code 742 is required. Skip ahead to eConclusion.
10	determin	ng Factors (Karst Geology): Are the properties affected by the release located in an area with Karst geology, as ed by the SWAP Mapping System?  No  No  release cannot be screened out using a vertical separation distance, and an evaluation of the indoor inhalation
	ех	sposure route in accordance with 35 III. Adm. Code 742 is required. Skip ahead to the Conclusion.
11		ng Factors (Utility Conduits): Are utility conduits present within the contaminated groundwater or LNAPL/residual hat may allow for migration of vapors into buildings due to being improperly sealed at the building?  No
		ne conduit must be properly sealed in a manner that does not allow for migration of vapors into the building.  ontinue to question 12.
12	2. Are there	e reports of petroleum vapors in buildings as a result of the release from the UST?
	○Yes	○ No
	If Yes F	valuation of the indoor inhalation exposure route in accordance with 35 III. Adm. Code Part 742 is required

Based upon the results of the current review:

- Evaluation of the indoor inhalation exposure route in accordance with 35 III. Adm. Code 742 is required.
- Evaluation of the indoor inhalation exposure route is not required.
- Evaluation of the indoor inhalation exposure route is not required subject to accepting 5 or 15 feet of soil exhibiting benzene concentrations less than 10 mg/kg as an engineered barrier.

#### Sources

- \* https://connect.itrcweb.org/HigherLogic/System/DownloadDocumentFile.ashx?DocumentFileKey= 223c87f3-fe46-4ade-afae-ea2e6301a522
- \* https://www.epa.gov/ust/technical-guide-addressing-petroleum-vapor-intrusion-leaking-underground-storage-tank-sites

#### Note: To access a map of Illinois' Karst geology:

- 1. Click <a href="https://illinois-epa.maps.arcgis.com/apps/webappviewer/index.html?id=4d37a05f5ba441f1b30dab54ccb81fc8">https://illinois-epa.maps.arcgis.com/apps/webappviewer/index.html?id=4d37a05f5ba441f1b30dab54ccb81fc8</a>.
- 2. Click "Layer List" (one of the icons in the upper-right corner).
- 3. Check and expand "Source Water Assessment Protection Data."
- 4. Check and expand "Surficial/Bedrock Geology."
- 5. Check "Karst."

Bureau of Land Right-to-Know (RTK) Evaluation Form (Updated April 2021).

Re: 0971255169 -- Lake County Filling: Received, Clerk's Office 10/27/2022 North Chicago/EMCO Chemical Distributors, Inc. 2525 Greenfield Lane Leaking UST Incident 20220253 Leaking UST Technical File Please check all criteria that apply: Criteria Measured or modeled groundwater contamination from the site where the release occurred (including the impact from soil contamination in concentrations exceeding the applicable remediation objectives for the soil component of the groundwater ingestion exposure route) exceeds Class I groundwater quality standards specified in 35 III. Adm. Code Part 620 or Tier 1, Class I groundwater remediation objectives specified in 35 Ill. Adm. Code Part 742 ("TACO") within the setback zone or regulated recharge area of a community water system (CWS) well, or within the setback zone of a private, semi-private, or non-CWS well; ☐ Five or fewer properties/potable supply wells ☐ More than five properties/potable supply wells Measured off-site groundwater or soil gas contamination from volatile chemicals (as defined in 35 Ill. Adm. Code Part 1600.110) from the site where the release occurred poses a threat of indoor inhalation exposure above the appropriate TACO Tier 1 remediation objectives for the current use of the off-site property<sup>(a)(b)</sup>; ☐ Five or fewer properties ☐ More than five properties Off-site soil contamination from the site where the release occurred poses a threat of exposure above the appropriate TACO Tier 1 remediation objectives based on the current use of the off-site property<sup>(a)(b)</sup>; ☐ Five or fewer properties ☐ More than five properties The Agency refers a matter for enforcement under Section 43(a) of the Act: In circumstances of substantial danger to the environment or public health, the State's Attorney or Attorney General, upon request of the Agency or on their own motion, may institute a civil action for an immediate injunction to halt any discharge or other activity causing or contributing to the danger or to require such other action as may be necessary; The Agency issues a seal order under Section 34 of the Act: Upon a finding that episode or emergency conditions specified in Board regulations exist, the Agency shall declare such alerts or emergencies as provided by those regulations. While such an alert or emergency is in effect, the Agency may seal any equipment, vehicle, vessel, aircraft, or other facility operated in violation of such regulations; or The Agency, the USEPA, or a third party under Agency or USEPA oversight performs an immediate/emergency removal under the federal Comprehensive Environmental Response, Compensation, and Liability Act.

Contamination beneath a publicly owned roadway or alleyway in which a Highway Authority Agreement (HAA) or a HAA Memorandum of Agreement (HAA MOA) is necessary pursuant to 35 III. Adm. Code Part 742.1020

should not be considered when making this determination.

(b) The construction worker population is the only population that requires evaluation with respect to contamination beneath a publicly owned roadway or alleyway.

<u>Sumn</u>	<u>nary</u>					
	None of the above cr	iteria are met and	the above-identified site does not wa	arrant further	evaluation.	
	At least one of the	above criteria is	met and the subject site must be	further evalu	ated: Please submi	t a
	Contaminant Evaluat	ion Group (CEG) R	eferral Memorandum to the RTK Coc	ordinator in th	e Office of Commur	nity
	Relations along with	this RTK Evaluation	n Form.			
,	_	•	IEPA-DIVISION OF RECORDS MANAGEM RELEASASLE	IGNT		
Projec	ct Manager Signature:	Nathan Fox	,	Date:	5/11/2022	

JUL 1 4 2022

AR000167

Fox, Nathan D.

From:

To:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent: Wednesday, May 11, 2022 11:24 AM

Fox, Nathan D. Subject: [External] RE: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

2525 Greenfield Lane North Chicago 45-Day CACR.pdf Attachments:

No problem Nathan, the report is attached.

Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



EPS Environmental Services, Inc. 7237 West Devon Avenue Chicago, Illinois 60631 tel. 773.792.3090 fax. 773.792.3091 www.epsenv.com

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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, May 11, 2022 11:11 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

You don't often get email from nathan.d.fox@illinois.gov. Learn why this is important

255169 - Lake County

Hey Nicholas,

I have been assigned the project manager for this LUST incident and I was wondering if I could get you to send an electronic copy of the 45-day/CACR to my email. Thanks

### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



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### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Friday, May 27, 2022 7:41 AM

To:

Fox, Nathan D.

Cc:

Sam Bodine; Chris Lewis

Subject:

[External] RE: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Follow Up Flag:

Follow up

Flag Status:

Completed

#### Nathan:

Following up on this after speaking with my field personnel, it appears the downspout form the east adjacent building was discharging right into the area where the tanks were being removed which added an immense amount of water to the excavation. Also, apparently the water line that is to the east of the excavation had been leaking for some time. The owner had a plumber repair the line which finally stopped the infiltration of water. I believe these are the reasons for so much water being pumped there.

#### Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Thursday, May 19, 2022 9:29 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

You don't often get email from nathan.d.fox@illinois.gov. Learn why this is important

Hey Nicholas,

Just have a quick question regarding the 45-Day Report. My question is about the continual water in the excavation over that timeframe and if you would be amenable to installing a source well? We took a look at the weather for that area in late March/early April and there was some precipitation but it doesn't look like enough to contribute to the continual pumping of water from the excavation. Lake County uses a lot of wells and there was contamination in the excavation over the soil component so could you please further explain the water satisfactorily to see if you will need to investigate. We are trying to find out if you encountered groundwater or not.

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



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#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Wednesday, June 8, 2022 9:30 AM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Nathan:

As the tank removals progressed the backfill material was removed along with the remainder of the concrete tanks. No backfill was returned to the excavations

Nick

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Tuesday, June 7, 2022 2:44 PM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Hey Nicholas,

I have a quick question regarding the backfill for this site. It appears that most of the backfill was returned to the excavation. Per 734.210(h)(D), if backfill is returned to the excavation one sample must be collected for each 100 cubic yards of backfill returned to the excavation. There are some contradicting values for the volume of soil excavated from the site. One part of the report shows that 30 cubic yards were excavated of backfill material and 90 cubic yards of native soil. Then further in the report it shows approximately 450 cubic yards of soil and concrete were excavated from the tank location. If any of the backfill is returned to the site there must be one backfill sample per 100 cubic yards of backfill. Just let me know with your response at your earliest convenience.

Thanks.

Nathan Fox
Environmental Protection Specialist I - IEPA
(217) 524-1663
Bureau of Land/Leaking Underground Storage Tank
www.epa.illinois.gov



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Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. < Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, June 15, 2022 2:13 PM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com >

Subject: RE: LUST Incident #20220253

I forgot to send this decision as well my bad. Attaching now.

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663
Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Fox, Nathan D.

Sent: Wednesday, June 15, 2022 2:11 PM

To: ncuzzone@epsenv.com

Subject: LUST Incident #20220253

Hey Nicholas,

The Illinois EPA has made the following decision on the following LUST site and I am forwarding you their decision. If you have any questions let me know.

Thanks,

Nathan Fox
Environmental Protection Specialist I - IEPA
(217) 524-1663
Bureau of Land/Leaking Underground Storage Tank
www.epa.illinois.gov



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#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Tuesday, July 12, 2022 2:59 PM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253

Follow Up Flag:

Follow up

Flag Status:

Completed

Nathan:

My client would like to appeal the requirement for a groundwater investigation. What is the process to do that?

Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. < Nathan.D. Fox@Illinois.gov>

Sent: Wednesday, June 15, 2022 2:13 PM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: RE: LUST Incident #20220253

I forgot to send this decision as well my bad. Attaching now.

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Fox, Nathan D.

Sent: Wednesday, June 15, 2022 2:11 PM

To: ncuzzone@epsenv.com

Subject: LUST Incident #20220253

Hey Nicholas,

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Thanks,

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Wednesday, July 13, 2022 11:03 AM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253

Follow Up Flag: Flag Status:

Follow up Completed

Thanks Nathan!

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, July 13, 2022 11:02 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Cc: Bauer, Brian P. <Brian.Bauer@Illinois.gov>

Subject: RE: LUST Incident #20220253

Hey Nick,

Per the Appeal rights at the bottom of the 45-day/Early CACR letter there are two routes you can go. I have listed the routes below:

#### **Appeal Rights**

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Clerk of the Board Illinois Pollution Control Board James R. Thompson Center 100 West Randolph, Suite 11-500 Chicago, IL 60601 (312) 814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency Division of Legal Counsel 1021 North Grand Avenue East PO Box 19276 Springfield, IL 62794-9276 (217) 782-5544

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663
Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent: Tuesday, July 12, 2022 2:59 PM

To: Fox, Nathan D. < Nathan.D.Fox@Illinois.gov>
Subject: [External] RE: LUST Incident #20220253

Nathan:

My client would like to appeal the requirement for a groundwater investigation. What is the process to do that?

#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Wednesday, July 13, 2022 11:03 AM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253

Follow Up Flag: Flag Status:

Follow up Completed

Thanks Nathan!

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, July 13, 2022 11:02 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Cc: Bauer, Brian P. <Brian.Bauer@Illinois.gov>

Subject: RE: LUST Incident #20220253

Hey Nick,

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For information regarding the filing of an extension, please contact:

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# Nathan Fox

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Nick Cuzzone < NCuzzone@epsenvironmental.com >

Sent: Tuesday, July 12, 2022 2:59 PM

To: Fox, Nathan D. < Nathan.D.Fox@Illinois.gov>
Subject: [External] RE: LUST Incident #20220253

Nathan:

My client would like to appeal the requirement for a groundwater investigation. What is the process to do that?



1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 · (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

#### **CERTIFIED MAIL**

JUN 1 6 2022

7011 1150 0001 0855 0489

BJ Korman EMCO Chemical Distribtors, Inc. 8601 95<sup>th</sup> Street Pleasant Prairie, WI 53158

Re:

0971255169 -- Lake County

North Chicago/EMCO Chemical Distributors, Inc.

2525 Greenfield Lane

Leaking UST Incident 20220253 Leaking UST Technical File

Dear Mr. Korman:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the 45-Day Report (report) for the above-referenced incident. The report, dated April 20, 2022, was received by the Illinois EPA on April 25, 2022. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The report is approved pursuant to 35 Ill. Adm. Code 734.505(b) and 734.510(a). Therefore, the 45-day reporting requirements of Section 57.6 of the Act and 35 Ill. Adm. Code 734.210(d) have been satisfied.

The Stage 1 Site Investigation Plan must be conducted in accordance with 35 Ill. Adm. Code 734.315. The budget, if applicable, is approved, and costs must not exceed the amounts set forth in 35 Ill. Adm. Code 734.Subpart H, Appendix D, and Appendix E. Please be advised that, if you do not meet the eligibility requirements as determined by the Office of the State Fire Marshal, you may not be entitled to payment from the Underground Storage Tank Fund for costs incurred. You must proceed with the Stage 1 site investigation in accordance with 35 Ill. Adm. Code 734.315.

Further, pursuant to 35 Ill. Adm. Code 734.145, it is required that the Illinois EPA be notified of field activities prior to the date the field activities take place. This notice must include a description of the field activities to be conducted; the name of the person conducting the activities; and the date, time, and place the activities will be conducted and shall be made to EPA.FieldNotifications@illinois.gov. This notification of field activities must be provided at least two weeks prior to the scheduled field activities.

The Illinois EPA requires that the owner or operator submit a site investigation plan and budget for the Stage 1 site investigation within 90 days of the date of this letter pursuant to Sections 57.7(a) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.305. Please note that the

Page 2

Illinois EPA does not require the submission of a budget if the owner or operator does not intend to seek payment from the Underground Storage Tank Fund.

This action does not constitute any decision or determination regarding the timeliness of the submittal of the report. This decision does not waive or otherwise preclude any enforcement action the Illinois EPA may initiate in response to any apparent violation of timely submittal requirements.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact the undersigned at (217) 524-1663 or at nathan.d.fox@illinois.gov.

Sincerely,

Nathan Fox

Project Manager

Leaking Underground Storage Tank Section

Bureau of Land

Attachment: Appeal Rights

c: Nicholas J. Cuzzone, EPS Environmental Services, Inc. (electronic copy),

ncuzzone@epsenv.com

**BOL** File

#### Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

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For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency Division of Legal Counsel 1021 North Grand Avenue East PO Box 19276 Springfield, IL 62794-9276 (217) 782-5544



# Electronic Fring/Regained Rienk's Poffice 12/27/2022 GENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-3397 JB PRITZKER, GOVERNOR JOHN J. KIM, DIRECTOR

(217) 524-3300

#### **CERTIFIED MAIL**

7011 1150 0001 0855 0472

JUN 1 6 2022

BJ Korman EMCO Chemical Distributors, Inc. 8601 95th Street Pleasant Prairie, WI 53158

Re:

0971255169 -- Lake County

North Chicago/EMCO Chemical Distribitors, Inc.

2525 Greenfield Lane

Leaking UST Incident 20220253 Leaking UST Technical File

Dear Mr. Korman:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Corrective Action Completion Report (report) submitted pursuant to Section 57.6 of the Environmental Protection Act (415 ILCS 5) (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 734. Subpart B. The report, dated April 20, 2022, was received by the Illinois EPA on April 25, 2022.

Pursuant to Section 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a), the Illinois EPA hereby notifies the owner or operator that the report is rejected for the reason(s) described below:

The Illinois EPA is requiring a Stage 1 groundwater investigation due to the continued presence of groundwater in the excavation, per (734.210(h)(4)(C)).

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact the undersigned at (217) 524-1663 or at nathan.d.fox@illinois.gov.

Sincerely.

Nathan Fox

Project Manager

Leaking Underground Storage Tank Section

Bureau of Land

Attachment: Appeal Rights

Nicholas J. Cuzzone, EPS Environmental Services, Inc. (electronic copy), ncuzzone@epsenv.com **BOL File** 

#### Appeal Rights

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For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency Division of Legal Counsel 1021 North Grand Avenue East PO Box 19276 Springfield, IL 62794-9276 (217) 782-5544

255/69 - Lake County

Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Wednesday, May 11, 2022 11:24 AM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

**Attachments:** 

2525 Greenfield Lane North Chicago 45-Day CACR.pdf

No problem Nathan, the report is attached.

Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, May 11, 2022 11:11 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Hey Nicholas,

I have been assigned the project manager for this LUST incident and I was wondering if I could get you to send an electronic copy of the 45-day/CACR to my email. Thanks

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Friday, May 27, 2022 7:41 AM

To:

Fox, Nathan D.

Cc:

Sam Bodine: Chris Lewis

Subject:

[External] RE: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Follow Up Flag:

Follow up

Flag Status:

Completed

#### Nathan:

Following up on this after speaking with my field personnel, it appears the downspout form the east adjacent building was discharging right into the area where the tanks were being removed which added an immense amount of water to the excavation. Also, apparently the water line that is to the east of the excavation had been leaking for some time. The owner had a plumber repair the line which finally stopped the infiltration of water. I believe these are the reasons for so much water being pumped there.

#### Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Thursday, May 19, 2022 9:29 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

You don't often get email from nathan.d.fox@illinois.gov. Learn why this is important

Hey Nicholas,

Just have a quick question regarding the 45-Day Report. My question is about the continual water in the excavation over that timeframe and if you would be amenable to installing a source well? We took a look at the weather for that area in late March/early April and there was some precipitation but it doesn't look like enough to contribute to the continual pumping of water from the excavation. Lake County uses a lot of wells and there was contamination in the excavation over the soil component so could you please further explain the water satisfactorily to see if you will need to investigate. We are trying to find out if you encountered groundwater or not.

Nathan Fox
Environmental Protection Specialist I - IEPA
(217) 524-1663
Bureau of Land/Leaking Underground Storage Tank
www.epa.illinois.gov



#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Wednesday, June 8, 2022 9:30 AM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Nathan:

As the tank removals progressed the backfill material was removed along with the remainder of the concrete tanks. No backfill was returned to the excavations

Nick

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Tuesday, June 7, 2022 2:44 PM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: LUST Incident #20220253 - EMCO Chemical Distributors, Inc.

Hey Nicholas,

I have a quick question regarding the backfill for this site. It appears that most of the backfill was returned to the excavation. Per 734.210(h)(D), if backfill is returned to the excavation one sample must be collected for each 100 cubic yards of backfill returned to the excavation. There are some contradicting values for the volume of soil excavated from the site. One part of the report shows that 30 cubic yards were excavated of backfill material and 90 cubic yards of native soil. Then further in the report it shows approximately 450 cubic yards of soil and concrete were excavated from the tank location. If any of the backfill is returned to the site there must be one backfill sample per 100 cubic yards of backfill. Just let me know with your response at your earliest convenience.

Thanks,

Nathan Fox
Environmental Protection Specialist I - IEPA
(217) 524-1663
Bureau of Land/Leaking Underground Storage Tank
www.epa.illinois.gov



#### Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. < Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, June 15, 2022 2:13 PM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: RE: LUST Incident #20220253

I forgot to send this decision as well my bad. Attaching now.

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Fox, Nathan D.

Sent: Wednesday, June 15, 2022 2:11 PM

To: ncuzzone@epsenv.com

Subject: LUST Incident #20220253

Hey Nicholas,

The Illinois EPA has made the following decision on the following LUST site and I am forwarding you their decision. If you have any questions let me know.

Thanks,

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Tuesday, July 12, 2022 2:59 PM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253

Follow Up Flag:

Follow up

Flag Status:

Completed

Nathan:

My client would like to appeal the requirement for a groundwater investigation. What is the process to do that?

Nick Cuzzone

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, June 15, 2022 2:13 PM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Subject: RE: LUST Incident #20220253

I forgot to send this decision as well my bad. Attaching now.

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663
Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Fox, Nathan D.

Sent: Wednesday, June 15, 2022 2:11 PM

To: ncuzzone@epsenv.com

Subject: LUST Incident #20220253

Hey Nicholas,

The Illinois EPA has made the following decision on the following LUST site and I am forwarding you their decision. If you have any questions let me know.

Thanks,

# Nathan Fox Environmental Protection Specialist I - IEPA (217) 524-1663 Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



#### Fox, Nathan D.

From:

Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent:

Wednesday, July 13, 2022 11:03 AM

To:

Fox, Nathan D.

Subject:

[External] RE: LUST Incident #20220253

Follow Up Flag: Flag Status:

Follow up Completed

Thanks Nathan!

Nicholas J. Cuzzone, P.E. President Senior Project Engineer ncuzzone@epsenv.com



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From: Fox, Nathan D. <Nathan.D.Fox@Illinois.gov>

Sent: Wednesday, July 13, 2022 11:02 AM

To: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Cc: Bauer, Brian P. <Brian.Bauer@Illinois.gov>

Subject: RE: LUST Incident #20220253

Hey Nick,

Per the Appeal rights at the bottom of the 45-day/Early CACR letter there are two routes you can go. I have listed the routes below:

#### **Appeal Rights**

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Clerk of the Board Illinois Pollution Control Board James R. Thompson Center 100 West Randolph, Suite 11-500 Chicago, IL 60601 (312) 814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency Division of Legal Counsel 1021 North Grand Avenue East PO Box 19276 Springfield, IL 62794-9276 (217) 782-5544

#### **Nathan Fox**

Environmental Protection Specialist I - IEPA (217) 524-1663
Bureau of Land/Leaking Underground Storage Tank www.epa.illinois.gov



From: Nick Cuzzone < NCuzzone@epsenvironmental.com>

Sent: Tuesday, July 12, 2022 2:59 PM

To: Fox, Nathan D. < Nathan.D.Fox@Illinois.gov>
Subject: [External] RE: LUST Incident #20220253

Nathan:

My client would like to appeal the requirement for a groundwater investigation. What is the process to do that?

# **Division of Petroleum & Chemical Safety**

#### Print Detail Page Export to Excel Last Search Page

#### Pay Tank Fees Online

#### **Facility Details**

# Facility Number: 2047356 Status: Exempt Facility Name: Industrial Address: 2525 Greenfield Lane North Chicago, IL 60064 County: Lake Property Parcel: Facility Type: Industrial / Manufacturing Owner Type: Private Green Tag Decal:

Owner Details				
Owner Name:	EMCO Chemical Distributors, Inc.			
Owner Address:	8601 95th Street Pleasant Prairie, WI 53158			
Owner Status:	Current Owner			
Purchase Date:				
Type of Financial Responsibility:				
Financial Responsibility Reporting Due Date:				

Owner Details

#### **Motor Fuel Dispensing Permits**

Green Tag Issue Date: Green Tag Expiration Date:

#### **No MFD Permits Found**

#### **Owner Summary**

Owner Number	Owner Name	Owner Status	Purchase Date
U0040404	EMCO Chemical Distributors, Inc.	Current Owner	

#### **Permits (Unexpired)**

Click for permit history

**No Active Permits Found** 

#### **Deficiencies (Current)**

No Deficiencies Found

#### **IEMA Numbers Associated with the Facility**

IEMA Number	Inspection Date	Inspection Type	Permit Number
2022-0253	4/5/2022	Removal Log	01393-2021REM
22-0253	3/31/2022	Removal Log	01393-2021REM

#### **LUST** Fund Eligibility and Deductibility Determinations

#### **No Applications Found**

#### **Tank Information**

Pay Tank Fees Online

Tank Number	Capacity	Product	Status	Regulated Status	Red Tag Issued	Fee Due	Abandon/Removal Date
<u>1</u>	12000	Unknown	Removed	Exempt		\$0.00	03/31/2022 - REM
2	10000	Heating Oil	Removed	Exempt		\$0.00	04/05/2022 - REM
3	10000	Heating Oil	Removed	Exempt		\$0.00	04/05/2022 - REM

#### **Dispenser Information**