From: Hischke, Tyler <Tyler.Hischke@stantec.com>
Sent: Thursday, November 7, 2024 1:14 PM
To: Schultz, Josie M - DNR
Cc: Caine, Lynelle
Subject: RE: SLO - Email Contacts from Meeting Today
Attachments: J259201-1 UDS Level 2 Report Final Report.pdf

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Good afternoon Josie,

Lab data for the Butler Street waste characterization sample is attached. Sample was only run for analytes requested by the landfill – GRO and DRO detects were reported. The City is working with the landfill on disposal, but we will update you once that is completed.

Please feel free to reach out with any questions or if you'd like to discuss further.

Thanks much,

Tyler Hischke PG
Geologist
Mobile: 920.309.7824
tyler.hischke@stantec.com

Stantec

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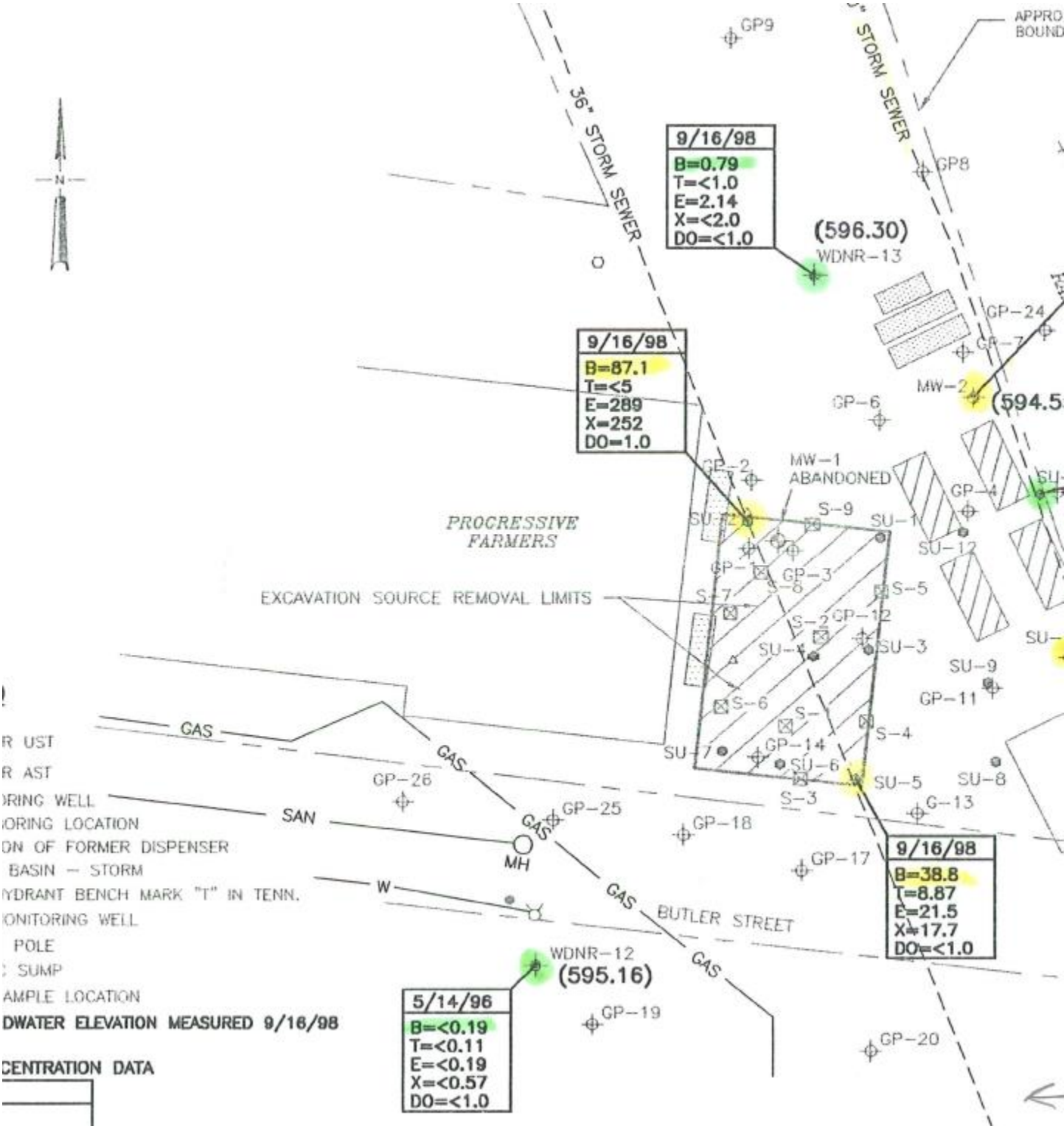
From: Caine, Lynelle <Lynelle.Caine@stantec.com>
Sent: Thursday, October 31, 2024 8:36 PM
To: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>; Hischke, Tyler <Tyler.Hischke@stantec.com>
Cc: Aleah Hummel <ahummel@deperewi.gov>; Eric Rakers <erakers@deperewi.gov>
Subject: RE: SLO - Email Contacts from Meeting Today

Hi Josie – Thanks for the response. I was in the same boat as you last week, but I talked to Keld and he shared with me the case closure request from the Progressive Farmers Coop site (see attached). You'll have to ask him how he gets special access to these files. 😉

From my review of the soil data including lab results and PID readings, I think there is plenty of evidence to show it is coming from the Progressive Farmers site. If you look at the PID readings for the borings completed in the road and on the southern edge of the property, there are clearly elevated PID readings in these borings. There are also PVOCs detected in soil, but they collected most of their samples from below the water table…likely why the site did not get closed with remaining soil contamination or a right of way notification. Also, on pages 23 and 24 of the attached document you will see soil samples from the limits of the excavation also have soil contamination remaining. In particular, S3,collected adjacent to

Butler Street is still dirty. Given that there is no other source of petroleum in this area, it seems there is enough evidence to say the contamination originated from the Progressive Farmers site. If you want to discuss the results further, feel free to give me a call. Thanks,



Lynelle Caine

Senior Associate, Senior Project Manager

Direct: 920-655-7211
Mobile: 920 655-7211
Lynelle.Caine@stantec.com

Stantec
1165 Scheuring Road
De Pere WI 54115-1001

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From: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Sent: Thursday, October 31, 2024 10:07 AM
To: Hischke, Tyler <Tyler.Hischke@stantec.com>
Cc: Aleah Hummel <ahummel@deperewi.gov>; Caine, Lynelle <Lynelle.Caine@stantec.com>; Eric Rakers <erakers@deperewi.gov>
Subject: RE: SLO - Email Contacts from Meeting Today

Good Morning Tyler,

I was able to take a look at the files available, and DNR only has available what you are able to see on BOTW for the closed Progressive Farmers Co-Op site, BRRTS # 03-05-002209. Electronically available documents do not include soil sampling results, so it's hard to definitively say this is related to the Progressive Farmers Co-Op site.

I've submitted an open records request for the closed file to come back from DOA to be scanned into our database as a site file for review. This can take a couple weeks or possibly longer depending on the queue for requests – which I believe is fairly lengthy right now.

Please forward the soil sampling results to me once they're received, and transport soil to a licensed landfill as Keld had discussed with Lynelle.

I'll be in touch once I receive and review the file. Please let me know if you have any questions or concerns in the meantime.

Thank you,
Josie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Josie Schultz
Cell Phone: (920) 366-5685
Josie.Schultz@Wisconsin.gov

From: Hischke, Tyler <Tyler.Hischke@stantec.com>
Sent: Wednesday, October 30, 2024 2:37 PM

To: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Cc: Aleah Hummel <ahummel@deperewi.gov>; Caine, Lynelle <Lynelle.Caine@stantec.com>; Eric Rakers <erakers@deperewi.gov>
Subject: RE: SLO - Email Contacts from Meeting Today

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Good afternoon Josie,

Following up on Eric's email and my call earlier today – please see the attached figure showing the approximate extent of impacted soil removed for disposal along Butler Street. This portion of the excavation consisted of a roughly U-shaped trench along the outside edge of the road and measured approximately 3 feet wide and generally less than 2ft deep.
Soil removed from the site has been temporarily stockpiled at the De Pere Municipal Service Center pending landfill approval.

Please feel free to reach out with any questions or if you would like to discuss further.

Thanks again,

Tyler Hischke PG
Geologist
Mobile: 920.309.7824
tyler.hischke@stantec.com

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From: Eric Rakers <erakers@deperewi.gov>
Sent: Monday, October 28, 2024 12:48 PM
To: 'Josie.Schultz@Wisconsin.gov' <Josie.Schultz@Wisconsin.gov>
Cc: Aleah Hummel <ahummel@deperewi.gov>; Caine, Lynelle <Lynelle.Caine@stantec.com>; Hischke, Tyler <Tyler.Hischke@stantec.com>
Subject: FW: SLO - Email Contacts from Meeting Today

Hi Josie,

We have encountered a small amount of contaminated material on construction project where we are installing curb and gutter. Below are more specifics on the site. Stantec is monitoring the excavation for us and will be taking a sample. The material is being stored temporarily at the Municipal Service Center, 925 S. Sixth Street. We are working with Brown County to landfill the material. What are the next steps we need to take with the WDNR?

Thanks,

Eric

Eric Rakers, P.E.
City Engineer | City of De Pere
925 S. Sixth Street | De Pere, WI 54115
Tel: (920) 339-4061 | Fax: (920) 339-4071

From: Caine, Lynelle <Lynelle.Caine@stantec.com>
Sent: Friday, October 25, 2024 12:28 PM
To: Chase Kuffel <ckuffel@deperewi.gov>; Daniel J. Lindstrom <dlindstrom@deperewi.gov>
Cc: Eric Rakers <erakers@deperewi.gov>; Aleah Hummel <ahummel@deperewi.gov>; Hischke, Tyler <Tyler.Hischke@stantec.com>; Herman, Sydney <Sydney.Herman@stantec.com>
Subject: RE: SLO - Email Contacts from Meeting Today

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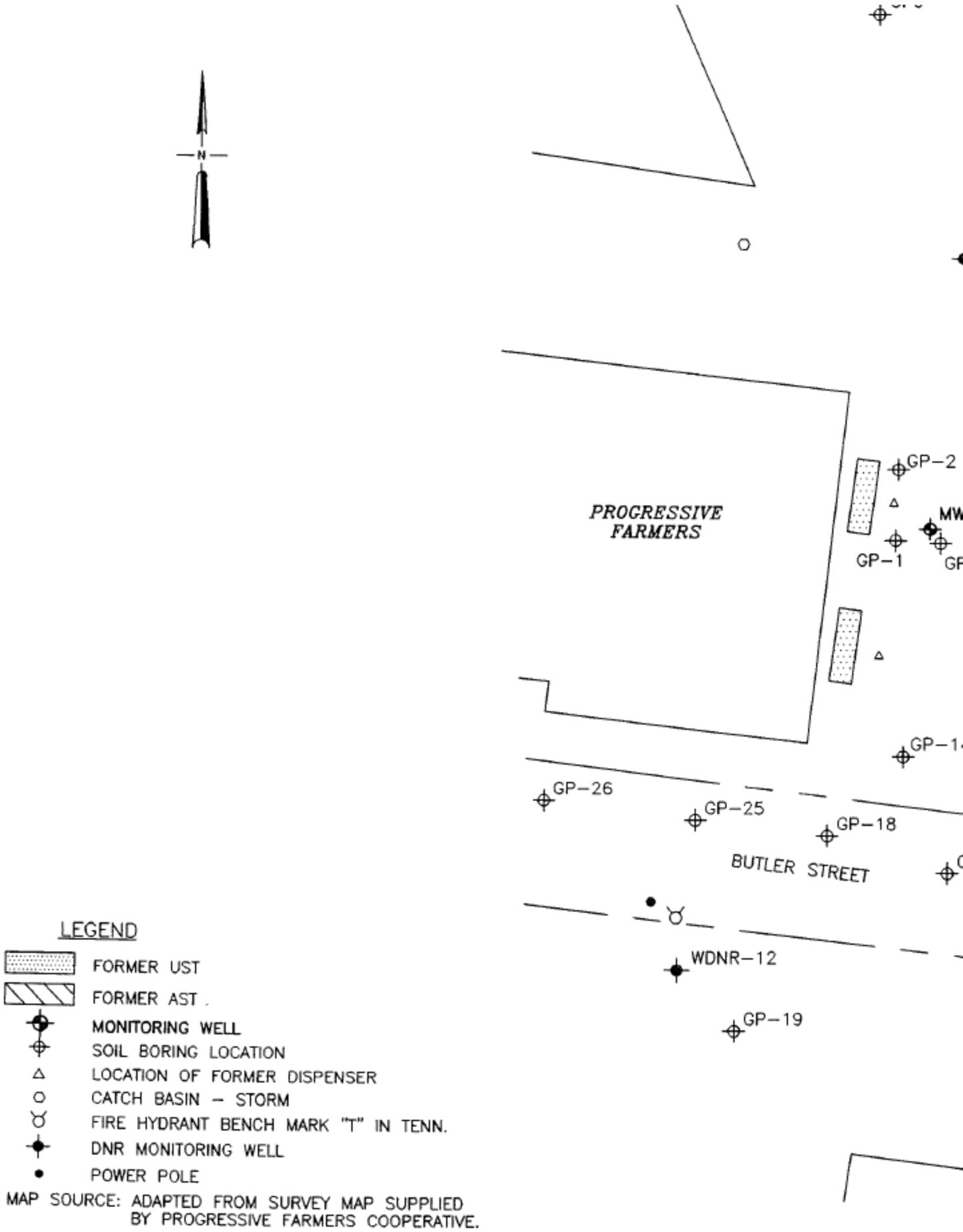
I spoke with Keld Lauridsen at the WDNR. We both agree that the contamination you encountered is associated with the former Progressive Farmers site directly to the north. Therefore, we didn't have to report a new release at this time but should coordinate with Josie Schulz at the WDNR next week who is the WDNR PM for the City. You can see on the map below that there were several above ground and underground storage tanks on-site. We would just need to document where the soil with petroleum odors were removed from and illustrate on a map. I could have someone on-site on Monday to help guide the excavation using a PID (field screening device). We would then want to collect a composite sample of the excavated soil for waste characterization and disposal. We would then put together a brief letter report summarizing the results. I am assuming this would only take a maximum of 5 hours of field work but perhaps less. I can get you a formal proposal next week but I would estimate the costs to be $2500 plus lab analysis. We would bill on a time and materials basis not to exceed this amount without prior approval. Please let me know if you would like us to proceed and if so what time someone should be on-site on Monday morning. Thanks,


N
PROGRESSIVE FARMERS
GP-2
MW
GP-1
GP-1
GP-26
GP-25
GP-18
BUTLER STREET
WDNR-12
GP-19
LEGEND
FORMER UST
FORMER AST
MONITORING WELL
SOIL BORING LOCATION
LOCATION OF FORMER DISPENSER
CATCH BASIN – STORM
FIRE HYDRANT BENCH MARK "T" IN TENN.
DNR MONITORING WELL
POWER POLE
MAP SOURCE: ADAPTED FROM SURVEY MAP SUPPLIED BY PROGRESSIVE FARMERS COOPERATIVE.

Lynelle Caine
Senior Project Manager
Mobile: 920-655-7211
Lynelle.Caine@stantec.com

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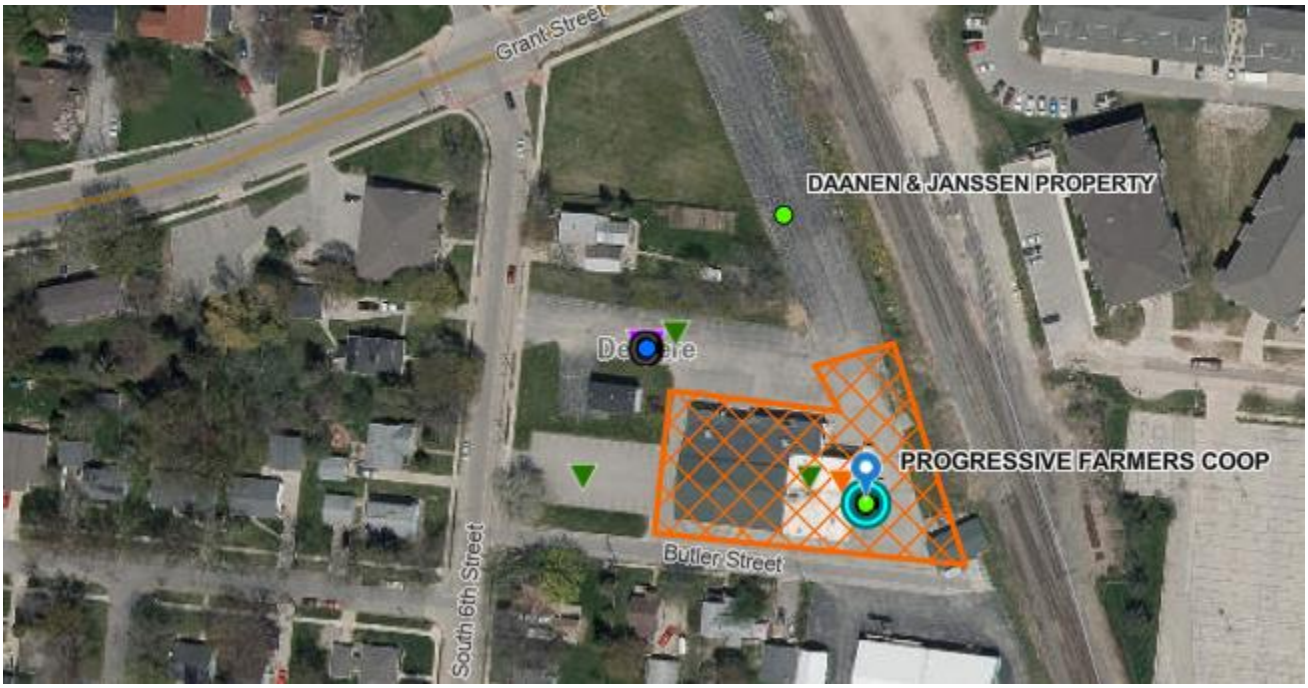
From: Caine, Lynelle
Sent: Friday, October 25, 2024 11:21 AM
To: Chase Kuffel <ckuffel@deperewi.gov>; Daniel J. Lindstrom <dlindstrom@deperewi.gov>
Cc: Eric Rakers <erakers@deperewi.gov>; Aleah Hummel <ahummel@deperewi.gov>
Subject: RE: SLO - Email Contacts from Meeting Today

Sounds good! I did a little more research and there looks like a closed WDNR petroleum case adjacent to Butler Street associated with 506 Butler. I am 99% certain the contamination originated from there but I need to do a little more digging since it was an old release. If that is the case, the WDNR would just address this as contamination associated with that release and no new release would be reported. You still would need to manage the soil properly but perhaps the landfill can just use the available data from the old release. See the map below indicating an old release and continuing obligations at Progressive Farmers Coop site. Does the City have any contracts in place with landfills for soil disposal?



I also talked to the PM at the WDNR about the Better Brite site. She said as long as you are staying above the water table in that area you don't have to worry about soil with hex chromium. However, if you have to dewater or encounter saturated soils you could be encountering hexavalent chromium. I'll let you know if I find out more otherwise we will be in touch on Monday. Thanks,

Lynelle Caine
Senior Project Manager
Mobile: 920-655-7211
Lynelle.Caine@stantec.com

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From: Chase Kuffel <ckuffel@deperewi.gov>
Sent: Friday, October 25, 2024 10:56 AM
To: Daniel J. Lindstrom <dlindstrom@deperewi.gov>; Caine, Lynelle <Lynelle.Caine@stantec.com>
Cc: Eric Rakers <erakers@deperewi.gov>; Aleah Hummel <ahummel@deperewi.gov>
Subject: RE: SLO - Email Contacts from Meeting Today

> You don't often get email from ckuffel@deperewi.gov. Learn why this is important

Here is Eric Raker's email for coordination next week. Thanks,

Chase

Chase K Kuffel, PE
Assistant City Engineer | City of De Pere
925 S. Sixth Street | De Pere, WI 54115
Tel: (920) 339-4072 x 2239 | Fax: (920) 339-4071

From: Daniel J. Lindstrom <dlindstrom@deperewi.gov>
Sent: Friday, October 25, 2024 10:56 AM
To: Chase Kuffel <ckuffel@deperewi.gov>; Lynelle Caine (lynelle.caine@stantec.com) <lynelle.caine@stantec.com>
Subject: SLO - Email Contacts from Meeting Today

Daniel J Lindstrom, AICP
Director of Development Services | City of De Pere
335 S. Broadway | De Pere, WI 54115
Tel: (920) 339-4043 x 3 | Fax: (920) 330-9491

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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lynelle Caine
Stantec Consulting Corporation
1165 Scheuring Road
De Pere, Wisconsin 54115

Generated 11/6/2024 10:49:13 AM

JOB DESCRIPTION

DE PERE - BUTLER ST.

JOB NUMBER

500-259201-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

Generated
11/6/2024 10:49:13 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 6
Sample Summary 7
Client Sample Results 8
Definitions 10
QC Association 11
Surrogate Summary 13
QC Sample Results 14
Chronicle 18
Certification Summary 19
Chain of Custody 20
Receipt Checklists 22

Job Narrative
500-259201-1

Receipt
The sample was received on 10/29/2024 10:54 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
Method WI-GRO: Significant peaks, readily distinguished from background, were detected in the following sample before the analytical window defined by the first component eluting in the Gasoline Range Organics (GRO) mix (i.e., Methyl tert-butyl ether): DP-BUTLER-ST-COMP (500-259201-1).

Method WI-GRO: Significant peaks, readily distinguished from background, were detected in the following sample within five minutes after the end of the analytical window defined by the last component eluting in the Gasoline Range Organics (GRO) mix (i.e., Naphthalene): DP-BUTLER-ST-COMP (500-259201-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method WI-DRO: The following sample required a dilution due to the nature of the sample matrix: DP-BUTLER-ST-COMP (500-259201-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Client Sample ID: DP-BUTLER-ST-COMP

Lab Sample ID: 500-259201-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
WI Gasoline Range Organics (C5-C10)	22000		2100	1000	ug/Kg	50	☼	Mod GRO	Total/NA
WI Diesel Range Organics (C10-C28)	1100		68	45	mg/Kg	20	☼	WI-DRO	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
Mod GRO	Modified Wisconsin - Gasoline Range Organics (GC)	WI-GRO	EET CHI
WI-DRO	Wisconsin - Diesel Range Organics (GC)	WI-DRO	EET CHI
6010D	Metals (ICP)	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
1311	TCLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI
WI DRO PREP	Wisconsin Extraction (Diesel Range Organics)	WI-DRO	EET CHI
WI GRO	Closed System Purge and Trap	WI-GRO	EET CHI

Protocol References:

EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.
WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259201-1	DP-BUTLER-ST-COMP	Solid	10/28/24 14:00	10/29/24 10:54

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Client Sample ID: DP-BUTLER-ST-COMP

Lab Sample ID: 500-259201-1

Date Collected: 10/28/24 14:00

Matrix: Solid

Date Received: 10/29/24 10:54

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.010		0.020	0.010	mg/L			11/05/24 15:48	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*11/05/24 15:48*	*20*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*11/05/24 15:48*	*20*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*11/05/24 15:48*	*20*
Toluene-d8 (Surr)	*99*		*75 - 120*		*11/05/24 15:48*	*20*

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/04/24 14:32	11/05/24 12:07	1
Lead	<0.0075		0.050	0.0075	mg/L		11/04/24 14:32	11/05/24 12:07	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Client Sample ID: DP-BUTLER-ST-COMP

Lab Sample ID: 500-259201-1
Date Collected: 10/28/24 14:00
Matrix: Solid
Date Received: 10/29/24 10:54
Percent Solids: 83.7

Method: WI-GRO Mod GRO - Modified Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C5-C10)	22000		2100	1000	ug/Kg	☼	10/28/24 14:00	10/31/24 08:41	50

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	1100		68	45	mg/Kg	☼	11/04/24 09:15	11/05/24 12:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*0*	*S1-*	*44 - 148*	*11/04/24 09:15*	*11/05/24 12:38*	*20*

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

GC/MS VOA

Leach Batch: 793157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	TCLP	Solid	1311	
LB 500-793157/1-A	Method Blank	TCLP	Solid	1311	
LCS 500-793157/2-A	Lab Control Sample	TCLP	Solid	1311	

Analysis Batch: 793854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	TCLP	Solid	8260D	793157
LB 500-793157/1-A	Method Blank	TCLP	Solid	8260D	793157
MB 500-793854/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-793157/2-A	Lab Control Sample	TCLP	Solid	8260D	793157
LCS 500-793854/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-793854/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC VOA

Prep Batch: 792978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	Total/NA	Solid	WI GRO	
LB3 500-792978/2-A	Method Blank	Total/NA	Solid	WI GRO	
LCS 500-792978/3-A	Lab Control Sample	Total/NA	Solid	WI GRO	
LCSD 500-792978/4-A	Lab Control Sample Dup	Total/NA	Solid	WI GRO	

Analysis Batch: 793176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	Total/NA	Solid	Mod GRO	792978
LB3 500-792978/2-A	Method Blank	Total/NA	Solid	Mod GRO	792978
LCS 500-792978/3-A	Lab Control Sample	Total/NA	Solid	Mod GRO	792978
LCSD 500-792978/4-A	Lab Control Sample Dup	Total/NA	Solid	Mod GRO	792978

GC Semi VOA

Prep Batch: 793818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	Total/NA	Solid	WI DRO PREP	
MB 500-793818/1-A	Method Blank	Total/NA	Solid	WI DRO PREP	
LCS 500-793818/2-A	Lab Control Sample	Total/NA	Solid	WI DRO PREP	
LCSD 500-793818/3-A	Lab Control Sample Dup	Total/NA	Solid	WI DRO PREP	

Analysis Batch: 793877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	Total/NA	Solid	WI-DRO	793818
MB 500-793818/1-A	Method Blank	Total/NA	Solid	WI-DRO	793818
LCS 500-793818/2-A	Lab Control Sample	Total/NA	Solid	WI-DRO	793818
LCSD 500-793818/3-A	Lab Control Sample Dup	Total/NA	Solid	WI-DRO	793818

Metals

Leach Batch: 793273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	TCLP	Solid	1311	
LB 500-793273/1-B	Method Blank	TCLP	Solid	1311	
500-259201-1 MS	DP-BUTLER-ST-COMP	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 793273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1 DU	DP-BUTLER-ST-COMP	TCLP	Solid	1311	

Prep Batch: 793784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	TCLP	Solid	3010A	793273
LB 500-793273/1-B	Method Blank	TCLP	Solid	3010A	793273
LCS 500-793784/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-259201-1 MS	DP-BUTLER-ST-COMP	TCLP	Solid	3010A	793273
500-259201-1 DU	DP-BUTLER-ST-COMP	TCLP	Solid	3010A	793273

Analysis Batch: 793981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	TCLP	Solid	6010D	793784
LB 500-793273/1-B	Method Blank	TCLP	Solid	6010D	793784
LCS 500-793784/2-A	Lab Control Sample	Total/NA	Solid	6010D	793784
500-259201-1 MS	DP-BUTLER-ST-COMP	TCLP	Solid	6010D	793784
500-259201-1 DU	DP-BUTLER-ST-COMP	TCLP	Solid	6010D	793784

General Chemistry

Analysis Batch: 792945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259201-1	DP-BUTLER-ST-COMP	Total/NA	Solid	Moisture	
500-259201-1 DU	DP-BUTLER-ST-COMP	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	**(75-126)**	**(72-124)**	**(75-120)**	**(75-120)**
LCS 500-793854/3	Lab Control Sample	100	97	102	99
LCSD 500-793854/4	Lab Control Sample Dup	101	99	103	99
MB 500-793854/6	Method Blank	101	96	102	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	**(75-126)**	**(72-124)**	**(75-120)**	**(75-120)**
500-259201-1	DP-BUTLER-ST-COMP	104	97	103	99
LB 500-793157/1-A	Method Blank	100	98	99	101
LCS 500-793157/2-A	Lab Control Sample	104	98	103	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		C9
Lab Sample ID	**Client Sample ID**	**(44-148)**
500-259201-1	DP-BUTLER-ST-COMP	0 S1-
LCS 500-793818/2-A	Lab Control Sample	84
LCSD 500-793818/3-A	Lab Control Sample Dup	84
MB 500-793818/1-A	Method Blank	83

Surrogate Legend

C9 = n-Nonane

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-793854/6
Matrix: Solid
Analysis Batch: 793854

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			11/05/24 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*11/05/24 10:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*11/05/24 10:00*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*11/05/24 10:00*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*11/05/24 10:00*	*1*

Lab Sample ID: LCS 500-793854/3
Matrix: Solid
Analysis Batch: 793854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.0470		mg/L		94	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: LCSD 500-793854/4
Matrix: Solid
Analysis Batch: 793854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.0471		mg/L		94	70 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: LB 500-793157/1-A
Matrix: Solid
Analysis Batch: 793854

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.010		0.020	0.010	mg/L			11/05/24 11:14	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*11/05/24 11:14*	*20*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*11/05/24 11:14*	*20*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*11/05/24 11:14*	*20*
Toluene-d8 (Surr)	*101*		*75 - 120*		*11/05/24 11:14*	*20*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-793157/2-A
Matrix: Solid
Analysis Batch: 793854

Client Sample ID: Lab Control Sample
Prep Type: TCLP

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.885		mg/L		88	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*

Method: Mod GRO - Modified Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: LB3 500-792978/2-A
Matrix: Solid
Analysis Batch: 793176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 792978

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C5-C10)	<750		1500	750	ug/Kg		10/30/24 01:45	10/31/24 07:26	50

Lab Sample ID: LCS 500-792978/3-A
Matrix: Solid
Analysis Batch: 793176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 792978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
WI Gasoline Range Organics (C5-C10)	20000	20500		ug/Kg		102	80 - 120

Lab Sample ID: LCSD 500-792978/4-A
Matrix: Solid
Analysis Batch: 793176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 792978

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
WI Gasoline Range Organics (C5-C10)	20000	20900		ug/Kg		104	80 - 120	2	20

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: MB 500-793818/1-A
Matrix: Solid
Analysis Batch: 793877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 793818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	<4.4		6.7	4.4	mg/Kg		11/04/24 09:15	11/05/24 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*83*		*44 - 148*	*11/04/24 09:15*	*11/05/24 11:32*	*1*

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC) (Continued)

Lab Sample ID: LCS 500-793818/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 793877 — **Prep Batch: 793818**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
WI Diesel Range Organics (C10-C28)			33.3	32.2		mg/Kg		97	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Nonane	*84*		*44 - 148*

Lab Sample ID: LCSD 500-793818/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 793877 — **Prep Batch: 793818**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
WI Diesel Range Organics (C10-C28)			33.3	39.3		mg/Kg		118	70 - 120	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Nonane	*84*		*44 - 148*

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 500-793784/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 793981 — **Prep Batch: 793784**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cadmium			0.0500	0.0509		mg/L		102	80 - 120		
Lead			0.100	0.105		mg/L		105	80 - 120		

Lab Sample ID: LB 500-793273/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 793981 — **Prep Batch: 793784**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/04/24 14:32	11/05/24 11:58	1
Lead	<0.0075		0.050	0.0075	mg/L		11/04/24 14:32	11/05/24 11:58	1

Lab Sample ID: 500-259201-1 MS — **Client Sample ID: DP-BUTLER-ST-COMP**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 793981 — **Prep Batch: 793784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cadmium	<0.0020		0.0500	0.0521		mg/L		104	75 - 125		
Lead	<0.0075		0.100	0.102		mg/L		102	75 - 125		

Lab Sample ID: 500-259201-1 DU — **Client Sample ID: DP-BUTLER-ST-COMP**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 793981 — **Prep Batch: 793784**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cadmium	<0.0020			<0.0020		mg/L				NC	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 500-259201-1 DU
Matrix: Solid
Analysis Batch: 793981

Client Sample ID: DP-BUTLER-ST-COMP
Prep Type: TCLP
Prep Batch: 793784

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	<0.0075			<0.0075		mg/L				NC	20

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Client Sample ID: DP-BUTLER-ST-COMP

Lab Sample ID: 500-259201-1
Date Collected: 10/28/24 14:00
Matrix: Solid
Date Received: 10/29/24 10:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			793157	PA	EET CHI	10/30/24 16:20 - 10/31/24 10:20 [1]
TCLP	Analysis	8260D		20	793854	MM	EET CHI	11/05/24 15:48
TCLP	Leach	1311			793273	PA	EET CHI	10/31/24 14:20 - 11/01/24 08:20 [1]
TCLP	Prep	3010A			793784	S1Z	EET CHI	11/04/24 14:32 - 11/04/24 20:32 [1]
TCLP	Analysis	6010D		1	793981	SJ	EET CHI	11/05/24 12:07
Total/NA	Analysis	Moisture		1	792945	ER	EET CHI	10/29/24 15:08

Client Sample ID: DP-BUTLER-ST-COMP

Lab Sample ID: 500-259201-1
Date Collected: 10/28/24 14:00
Matrix: Solid
Date Received: 10/29/24 10:54
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	WI GRO			792978	WRE	EET CHI	10/28/24 14:00
Total/NA	Analysis	Mod GRO		50	793176	WRE	EET CHI	10/31/24 08:41
Total/NA	Prep	WI DRO PREP			793818	DAK	EET CHI	11/04/24 09:15 - 11/04/24 11:15 [1]
Total/NA	Analysis	WI-DRO		20	793877	SB	EET CHI	11/05/24 12:38

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: DE PERE - BUTLER ST.

Job ID: 500-259201-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-25

Chain of Custody Record

544198

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact			
Company Name	STANTEC	Project Manager: Lynelle Caine	Site Contact: Tyler Hischke
Address	1165 SCHEURING RD	Tel/Email: lynelle.caine@stantec.com	Lab Contact: Sandie Fredrick
City/State/Zip	DE PERE WI 54115	Analysis Turnaround Time	Date: 10/28/24
Phone	920 592 8400	☐ CALENDAR DAYS ☐ WORKING DAYS	Carrier: FedEX
~~Fax~~	tyler.hischke@stantec.com	TAT if different from Below: ASAP	COC No 1 of 1 COCs
Project Name	DE PERE - BUTLER ST	☐ 2 weeks	Sampler: Tyler Hischke
Site		☐ 1 week	For Lab Use Only:
P O #		☐ 2 days	Walk-in Client
		☐ 1 day	Lab Sampling
			Job / SDG No 500-259201

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	GRO	DRO	TCLP BENZENE	TCLP LEAD	TCLP CADMIUM	Sample Specific Notes
DP-BUTLER-ST-COMP	10/28/24	1400	Comp	S	6			X	X	X	X	X	

500-259201 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 1.9 Corr'd 1.3 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
TYLER HISCHKE / [signature]	STANTEC	10/28/24, 500			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EETA	Date/Time: 10/29/24 09:55

SYDNEY HERMAN
STANTEC CONSULTING CORP.
1165 SCHEURING ROAD

DE PERE, WI 54115
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0730307/CAFE3755

Part # 159469-434 REV XP 09/24

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 634-5200

INV:
PO:
REF:
DEPT:

12QT

RMA:

FedEx Express

J22302305120161

TRK# 0221 **7338 9116 0613**

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx

TRK# 0221 **7338 9116 0613**

TUE - 29 OCT 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US **ORD**

500-259201 Waybi

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-259201-1

Login Number: 259201
List Number: 1
Creator: Kenneally, Daniel

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	