



Tetra Tech

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Newberry Township PFC
 Project No.: 103S5435015

Domestic Well Data
 Monitoring Well Data
 Other Well Type: _____
 QA Sample Type: _____

Sample ID No.: MW-1
AW-1 / 0128-06
 Sample Location: MW-1
 Sampled By: N. D. [Signature]
 C.O.C. No.: _____
 Type of Sample:
 Low Concentration
 High Concentration

SAMPLING DATA:

Date:	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	ORP mV	Other
8/28/2015								
Time: 1025								
Method: Low flow	Brown	7.19	1.244	17.87	1250.5	3.79	87.1	0.62

PURGE DATA:

Date:	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Other
8/28/2015 1025								
Method: Low flow								
Monitor Reading (ppm): NM	SEE LOW FLOW PURGE DATA SHEET							
Well Casing Diameter & Material Type: 2.0 PVC								
Total Well Depth (TD): 66.50								
Static Water Level (WL): 15.10								
One Casing Volume (gal/L): 8.46								
Start Purge (hrs): 0940								
End Purge (hrs): 1015								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L): 3								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
PFAS	TRIZMA	2 - 250ml Poly	23
<i>[Large diagonal signature/initials across the table]</i>			

OBSERVATIONS / NOTES:

HRP Took a duplicate sample and field blank
 2 - 250ml Poly Not preserve

BOL 6128-06
 YSE 6920 # 2234

Circle if Applicable:

MS/MSD <u>NA</u>	Duplicate ID No.: <u>NA</u>
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Signature(s):

[Signature]



Tetra Tech

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Newberry Township PFC Sample ID No.: 0128-07 / MW-2
 Project No.: 103S5435015 Sample Location: MW-2
 Sampled By: N. Odeh
 Domestic Well Data C.O.C. No.: _____
 Monitoring Well Data Type of Sample: _____
 Other Well Type: _____ Low Concentration
 QA Sample Type: _____ High Concentration

SAMPLING DATA:									
Date:	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other	
Time:	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	S, I, F, NA	
08/28/2011	Brown	6.75	0.627	15.05	217.8	6.05	116.1	0.30	

PURGE DATA:									
Date:	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Other	
8/28/11									
Method: Low Flow	SEE LOW FLOW PURGE DATA SHEET								
Monitor Reading (ppm): NM									
Well Casing Diameter & Material Type: 2" PVC									
Total Well Depth (TD): 48.59									
Static Water Level (WL): 24.03									
One Casing Volume (gal/L): 46									
Start Purge (hrs): 1100									
End Purge (hrs): 1140									
Total Purge Time (min): 40									
Total Vol. Purged (gal/L): 5									

SAMPLE COLLECTION INFORMATION:				
Analysis	Preservative	Container Requirements		Collected
PFOS	Trims	2 250ml	Poly	3
AIK	NP	2 500ml	Poly	1
chl, soy	NP	500ml	Poly	1
Mn, Mg, Ca, Ms, K, Fe	HNO3	250ml	Poly	2
NO3-D	H2SO4, NP	250ml	Poly	2
/				

OBSERVATIONS / NOTES:
 SOL Sample 0128-07
 YSI 6920 # 2234
 HRP took a sample 2-250ml in preservative poly.
 Also transferred field blank back and forth in bottles.

Circle if Applicable: _____ Signature(s):

MS/MSD NA	Duplicate ID No.: NA
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LOW FLOW PURGE DATA SHEET

1338

PROJECT SITE NAME:
PROJECT NUMBER:

Newberry Township PFC
103S5435015

WELL ID:
DATE:

MW-3 10128-008
08/28/2017

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Salinity % or ppt	Comments
1218	21.32	270	7.16	0.896	1246.0	4.27	17.15	-73.5	0.45	Brown
1223	21.33		7.19	0.920	1257.7	3.44	18.45	-60.0	0.46	
1228	22.06		7.22	0.923	1251.0	3.79	17.72	-20.0	0.46	
1233	22.25		7.19	0.919	1251.1	3.50	17.81	11.8	0.45	
1238	22.32		7.16	0.915	1250.9	3.42	18.33	22.9	0.45	
1243	22.41		7.15	0.913	1252.1	3.33	18.82	28.2	0.45	
1248	22.33	300	7.03	0.898	1161	2.92	19.32	43.2	0.44	
1253	22.29		7.02	0.891	790	2.95	19.18	43.2	0.44	
1258	22.41		6.90	0.832	591	2.90	19.69	54.1	0.43	
1303	22.36		6.84	0.873	418.1	2.83	19.23	60.1	0.43	
1308	22.30		6.82	0.869	266.1	2.80	19.91	63.4	0.43	clear
1313	22.28		6.81	0.862	181.2	2.83	19.91	62.8	0.43	
1318	22.32		6.81	0.862	150	2.82	17.98	59.1	0.43	
1323	22.36		6.82	0.868	108	2.84	18.48	55.1	0.43	
1328	22.40		6.81	0.865	98.3	2.89	18.33	32.4	0.43	
1333	22.42		6.80	0.865	90.2	2.89	18.31	25.7	0.43	
1338	22.44		6.80	0.864	73.4	2.90	18.26	22.4	0.43	

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SIGNATURE(S):

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GROUNDWATER SAMPLE LOG SHEET

Page 1 of 1

Project Site Name: Newberry Township PFC
 Project No.: 103S5435015

Domestic Well Data
 Monitoring Well Data
 Other Well Type: _____
 QA Sample Type: _____

Sample ID No.: 0128-008
MW-3
 Sample Location: MW-3
 Sampled By: N. Ded. C
 C.O.C. No.: _____
 Type of Sample:
 Low Concentration
 High Concentration

SAMPLING DATA:

Date: <u>8/28/2019</u>	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: <u>1338</u>	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	<u>55/2.1</u> NA
Method: <u>Low Flow</u>	<u>Clear</u>	<u>6.80</u>	<u>0.864</u>	<u>18.26</u>	<u>273.7</u>	<u>2.90</u>	<u>22.7</u>	<u>0.43</u>

PURGE DATA:

Date: <u>8/28/2019</u>	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Other
Method: <u>Low Flow</u>								
Monitor Reading (ppm):	SEE LOW FLOW PURGE DATA SHEET							
Well Casing Diameter & Material Type: <u>2.7 PUC</u>								
Total Well Depth (TD): <u>59.65</u>								
Static Water Level (WL): <u>19.77</u>								
One Casing Volume (gal/L): <u>6.56</u>								
Start Purge (hrs): <u>1218</u>								
End Purge (hrs): <u>1338</u>								
Total Purge Time (min): <u>80</u>								
Total Vol. Purged (gal/L): <u>76</u>								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
<u>PFA5</u>	<u>TRIZMA</u>	<u>250 ml Poly</u>	<u>3</u>
<u>Alk</u>	<u>NP</u>	<u>500 ml</u>	<u>1</u>
<u>chl, 504</u>	<u>NP</u>	<u>500 ml</u>	<u>1</u>
<u>Mn, Mg, Ca, Na, K, Fe</u>	<u>HNO3</u>	<u>250 ml</u>	<u>2</u>
<u>NO30</u>	<u>H2SO4, NP</u>	<u>250 ml</u>	<u>2</u>

OBSERVATIONS / NOTES:

BUL 0128-008 VSE 6920 # 2234

#RP collected 2 - un-preserved 250ml poly. Also transferred field blank back and forth between bottles

Circle if Applicable:

MS/MSD NA
 Duplicate ID No.: NA

Signature(s):



LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME:
PROJECT NUMBER:

Newberry Township PFC
103S5435015

WELL ID.:
DATE:

MW-4
08/28/2019

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (ML/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Salinity (% or ppt)	Comments
1415	25.80	250	7.57	0.817	288.6	5.96	5.66	10.4	0.40	Brown
1420	26.855		7.36	0.813	320.7	4.35	16.26	46.3	0.40	
1425	27.20		7.37	0.811	253.1	4.06	17.53	37.7	0.40	
1430	27.18		7.35	0.810	241	4.01	18.07	40.3	0.40	
1435	27.14		7.37	0.809	222	3.94	18.42	40.2	0.40	Warning
1440	27.18		7.37	0.813	159	3.90	19.63	47.5	0.40	
1445	27.40		7.32	0.811	136	3.89	20.09	62.5	0.40	
1450	27.28		7.37	0.812	120.6	3.94	20.22	62.4	0.40	
1455	27.42		7.32	0.813	99.5	3.95	19.90	68.6	0.40	
1500	27.44		7.36	0.810	79.9	4.00	19.55	74.1	0.40	
1505	27.45		7.31	0.809	80.2	4.00	19.24	75.7	0.40	
1520	27.48		7.35	0.805	73.4	4.03	19.73	79.7	0.40	
1525	27.51		7.37	0.805	65.7	3.96	20.02	82.3	0.40	

SIGNATURE(S):

PAGE 1 OF 1



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GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Newberry Township PFC
 Project No.: 103S5435015

Domestic Well Data
 Monitoring Well Data
 Other Well Type: _____
 QA Sample Type: _____

Sample ID No.: MW-4 / 0128-09
 Sample Location: MW-4
 Sampled By: N. Decker
 C.O.C. No.: _____
 Type of Sample:
 Low Concentration
 High Concentration

SAMPLING DATA:

Date: <u>08/28/2015</u>	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: <u>1525</u>	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: <u>GRW</u>	<u>Clear</u>	<u>7.37</u>	<u>0.805</u>	<u>20.02</u>	<u>45.7</u>	<u>3.96</u>	<u>82.7</u>	<u>0.40</u>

PURGE DATA:

Date: <u>08/28/2015</u>	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Other
Method: <u>Low Flow</u>								
Monitor Reading (ppm): <u>NM</u>	SEE LOW FLOW PURGE DATA SHEET							
Well Casing Diameter & Material Type: <u>2 in PVC</u>								
Total Well Depth (TD): <u>59.87</u>								
Static Water Level (WL): <u>23.35</u>								
One Casing Volume (gal/L): <u>66</u>								
Start Purge (hrs): <u>1415</u>								
End Purge (hrs): <u>1525</u>								
Total Purge Time (min): <u>70</u>								
Total Vol. Purged (gal/L): <u>56</u>								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
<u>PFAS</u>	<u>Trizms</u>	<u>250 ml Poly</u>	<u>3</u>
<u>AIF</u>	<u>NP</u>	<u>250 ml Poly</u>	<u>1</u>
<u>chl, 207</u>	<u>NP</u>	<u>500 ml</u>	<u>1</u>
<u>Mn, Mg, Ca, K, Fe, Na</u>	<u>HNO3</u>	<u>500 ml</u>	<u>1</u>
<u>NO3-N</u>	<u>H2SO4, NP</u>	<u>250 ml</u>	<u>2</u>

OBSERVATIONS / NOTES:

BUL 0128-09 YSE 6920 # 2234

FB 0128-14 @ 1515

HRP not collected 2-250ml unpreserved poly. They also transferred the field blank back and forth between bottles.

Circle if Applicable:

MS/MSD <u>NA</u>	Duplicate ID No.: <u>NA</u>
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Signature(s):



Tetra Tech

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Newberry Township PFC
 Project No.: 103S5435015

Domestic Well Data
 Monitoring Well Data
 Other Well Type: _____
 QA Sample Type: _____

Sample ID No.: MW-4 / 0128-09
 Sample Location: MW-4
 Sampled By: N. DeLuz
 C.O.C. No.: _____
 Type of Sample:
 Low Concentration
 High Concentration

SAMPLING DATA:

Date: <u>8/28/2015</u>	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: <u>1338</u>	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	<u>5.1, 1.3, 1.1</u> <u>NA (1.1)</u>
Method: <u>Grp</u>	<u>Clear</u>	<u>6.80</u>	<u>0.867</u>	<u>18.23</u>	<u>73.7</u>	<u>2.90</u>	<u>22.4</u>	<u>0.27</u>

PURGE DATA:

Date: <u>8/28/2015</u>	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Other
Method: <u>Low Flow</u>								
Monitor Reading (ppm):	SEE LOW FLOW PURGE DATA SHEET							
Well Casing Diameter & Material Type: <u>2 in PVC</u>								
Total Well Depth (TD): <u>59.87</u>								
Static Water Level (WL): <u>23.35</u>								
One Casing Volume (gal/L): <u>66</u>								
Start Purge (hrs): <u>12.8</u>								
End Purge (hrs): <u>13.38</u>								
Total Purge Time (min): <u>80</u>								
Total Vol. Purged (gal/L): <u>76</u>								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
<u>PFAS</u>	<u>TRIZMA</u>	<u>250 ml Poly</u>	<u>3</u>
<u>AIK</u>	<u>NP</u>	<u>250 500 ml Poly</u>	<u>1</u>
<u>chl, SO₄</u>	<u>NP</u>	<u>500 ml Poly</u>	<u>1</u>
<u>Mn, Mg, Na, Ca, K, Fe</u>	<u>HNO₃</u>	<u>500 ml Poly</u>	<u>1</u>
<u>NO₃-N</u>	<u>H₂SO₄, NP</u>	<u>250 ml Poly</u>	<u>2</u>

OBSERVATIONS / NOTES:

0128-09

Circle if Applicable: _____ Signature(s): _____

MS/MSD <u>NR</u>	Duplicate ID No.:
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LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Newberry Township PFC
PROJECT NUMBER: 103SS5435015

WELL ID.: MW-5
DATE: 08/28/2017

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Salinity (% or ppt)	Comments
1550	35.50	250	7.52	0.677	125.2	3.07	15.01	96.2	0.32	Brown
1555	38.22		7.32	0.677	123.7	1.63	15.65	100.9	0.32	
1600	41.20		7.32	0.676	1230.6	2.61	15.52	101.7	0.32	
1605	43.72		7.42	0.676	115.0	3.26	16.31	98.5	0.32	
1610	45.05		7.40	0.671	581.0	3.80	15.96	101.0	0.31	
1615	45.06		7.43	0.639	260.6	4.72	16.10	102.7	0.31	clear
1620	45.10		7.42	0.635	142.5	5.00	16.21	104.4	0.31	
1625	45.09		7.43	0.639	91.9	5.12	16.59	105.7	0.31	
1630	45.09		7.43	0.639	71.0	5.18	16.16	106.8	0.31	
1635	45.45		7.47	0.640	80.1	5.37	16.35	106.3	0.31	
1640	46.06		7.41	0.639	103.0	5.62	16.24	108.1	0.31	
1645	46.44		7.42	0.639	105.6	5.73	16.58	106.4	0.31	
1650	46.70	2	7.42	0.646	106.6	5.73	16.34	106.8	0.31	↓ Brown tint

SIGNATURE(S):



Tetra Tech

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Newberry Township PFC
 Project No.: 103S5435015

Domestic Well Data
 Monitoring Well Data
 Other Well Type:
 QA Sample Type:

Sample ID No.: NP-0128-015
 Sample Location: MW-5/0128-015
 Sampled By: N. D. L. E.
 C.O.C. No.:
 Type of Sample:
 Low Concentration
 High Concentration

SAMPLING DATA:

Date: <u>8/28/2015</u>	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: <u>1650</u>	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	<u>551.2/7</u>
Method: <u>Grub</u>	<u>Brown h. 1</u>	<u>7.42</u>	<u>0.640</u>	<u>16.34</u>	<u>106.6</u>	<u>5.73</u>	<u>106.8</u>	<u>0.31</u>

PURGE DATA:

Date: <u>08/28/2015</u>	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Other
Method: <u>Low flow</u>								
Monitor Reading (ppm):	SEE LOW FLOW PURGE DATA SHEET							
Well Casing Diameter & Material Type: <u>2 in PVC</u>								
Total Well Depth (TD): <u>59.98</u>								
Static Water Level (WL): <u>32.90</u>								
One Casing Volume (gal/L): <u>456</u>								
Start Purge (hrs): <u>1550</u>								
End Purge (hrs): <u>1650</u>								
Total Purge Time (min): <u>60</u>								
Total Vol. Purged (gal/L): <u>46</u>								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
<u>PFAS</u>	<u>TRIZM</u>	<u>250 ml Poly</u>	<u>3</u>
<u>Alk</u>	<u>NP</u>	<u>500 ml</u>	<u>1</u>
<u>Chl, SO4</u>	<u>NP</u>	<u>500 ml</u>	<u>1</u>
<u>Na, Mg, Mn, Ca, K, Fe</u>	<u>HNO3</u>	<u>250 ml</u>	<u>1</u>
<u>NO3</u>	<u>H2SO4, NP</u>	<u>250 ml</u>	<u>2</u>

OBSERVATIONS / NOTES:

BOL 0128-10 @ 1650 VSE 6970 # 2234
 Duplicate 0128-15 @ 1655 for just PFAS
 to the BOL.
 HRP collected 2-250ml unpreserved polyg and transfered the field
 blank back and forth between 2 bottles

Circle if Applicable:

Signature(s):

MS/MSD
NA

Duplicate ID No.:

0128-15