N

WASHKOVICK

SCHROEDER

CO TRUNK HWY PP

CTY HWY FF

GP-10 GP-11

P-101 MW-101

GP-12

GP-2

GV-4 GV-5 GV-12 LC-1

GP-1

GP-5

GV-3 GV-6 GV-11

LC-2

P-104 MW-104

MW-102 P-102

GV-2 GV-7 GV-10

GP-8

LC-3

GV-1 GV-8 GV-9

P-106 MW-106

MW-108 P-108

MW-112

MW-103 P-103

GP-3

GP-4

P-103D

GP-6

GP-7

P-107D

P-107

MW-107

P-111

MW-111 P-111D

P-118

P-117

BICYCLE PATH

BICYCLE PATH

MW-3A MW-3B

ALTNAU (abandoned)

GAASTRA

P-114 (EHSTER)

SOUTH KORO ROAD

CHARLES STREET

P-116 (HADEL)

BANECK

P-115 (WIESE)

MILLER (abandoned)

ROHDE

P-113A

P-113B

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

EXPLANATION

P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION

LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION

— — — OUTLINE OF CLOSED LANDFILL

● GP-1 — GAS PROBE LOCATION AND DESIGNATION

▲ GV-1 — GAS VENT LOCATION AND DESIGNATION

SCALE

0 800

Feet

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 9/20/18
	DESIGNED: AAW
	CHECKED: AAW
SITE LAYOUT	APPROVED: MRN
	DRAWN: CMP
	PROJ.: 117-2202061
TETRA TECH	Figure 1

S:\CAD\RIPON\SEPTEMBER 2018\SITE LAYOUT_9-20-18.DWG

Map with OLD Locations of MWs

N

WASHKOVICK

SCHROEDER

CO TRUNK HWY PP

CTY HWY FF

BICYCLE PATH

BICYCLE PATH

SOUTH KORO ROAD

CHARLES STREET

GAASTRA

BANECK

ALTNAU (abandoned)

MILLER (abandoned)

ROHDE

GP-10 GP-11 GP-12 GP-1 GP-2 GP-5 GP-8 GP-3 GP-4 GP-6 GP-7

P-101 MW-101

GV-4 GV-5 GV-12 LC-1

GV-3 GV-6 GV-11 LC-2

P-102 MW-102

P-104 MW-104

GV-2 GV-7 GV-10 LC-3

GV-1 GV-8 GV-9

P-106 MW-106

MW-112 MW-103 P-103 P-103D 823.43

P-107D P-107 MW-107

P-111 MW-111 P-111D 821.66

MW-3A MW-3B 822.61

P-108 MW-108

P-118 818.93

P-117 818.92

P-114 820.48 (EHSTER)

P-116 (HADEL) 819.24

P-115 (WIESE) 820.70

P-113A P-113B 820.87

LAYER 3 DIRECTION OF FLOW

819 819.5 820 820.5 821 821.5 822 822.5 823

EXPLANATION

- P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- ● GP-1 — GAS PROBE LOCATION AND DESIGNATION
- GV-1 — GAS VENT LOCATION AND DESIGNATION
- 820.87 — GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR

SCALE

0 800

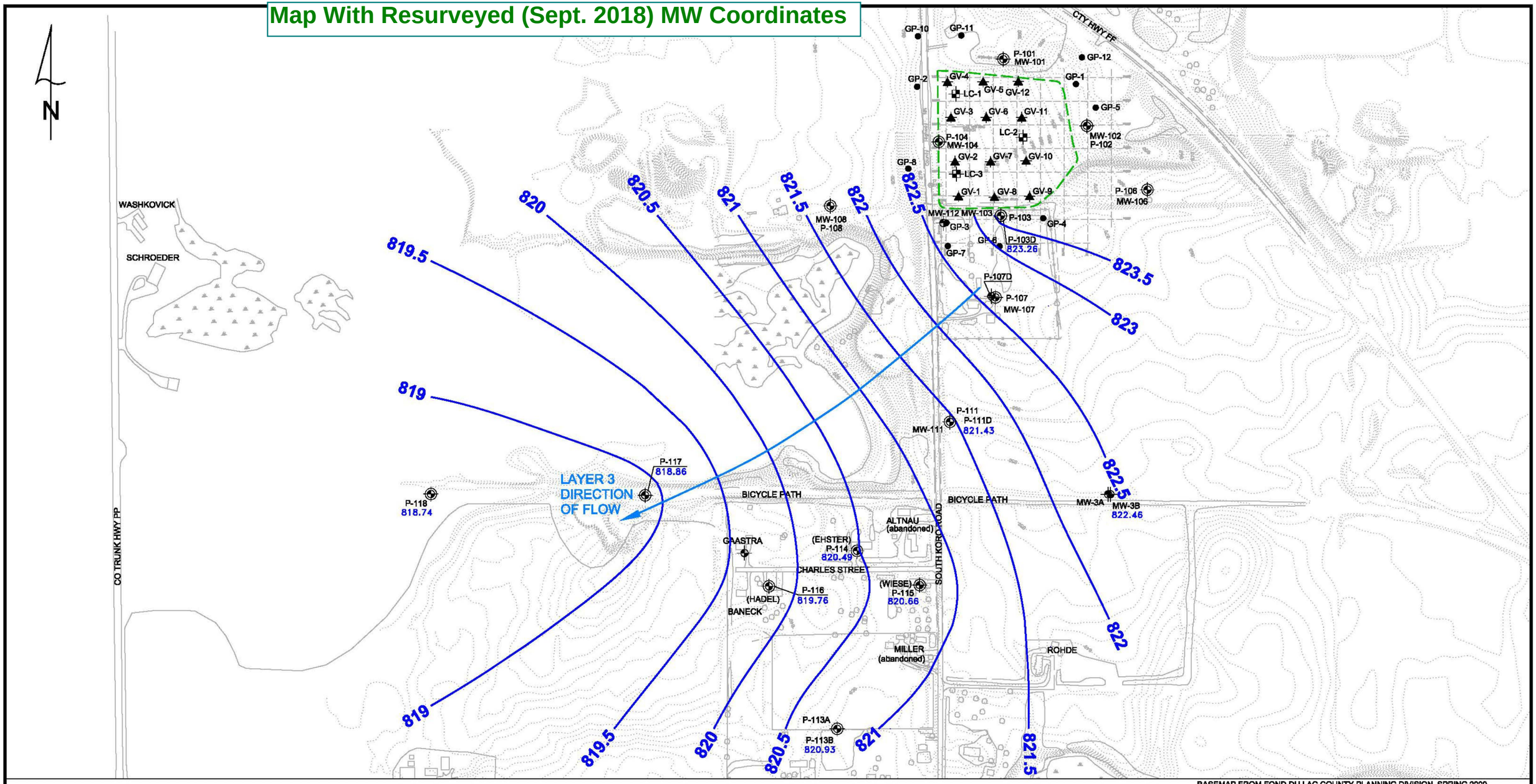
Feet

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 8/14/18
	DESIGNED: AAW
	CHECKED: AAW
GROUNDWATER ELEVATIONS LAYER 3 WELLS JUNE 2018	APPROVED: MRN
	DRAWN: CMP
	PROJ.: 117-2202061
TETRA TECH	Figure 3

S:\CAD\RIPON\AUGUST 2018\GW ELEVATIONS LAYER 3_8-14-18.DWG

Map With Resurveyed (Sept. 2018) MW Coordinates



EXPLANATION

- P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- GP-1 — GAS PROBE LOCATION AND DESIGNATION
- GV-1 — GAS VENT LOCATION AND DESIGNATION
- 820.93 — GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR

SCALE
0 800
Feet

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 9/27/18
	DESIGNED: AAW
GROUNDWATER ELEVATIONS LAYER 3 WELLS - UPDATED SURVEY DATA JUNE 2018	CHECKED: AAW
	APPROVED: MRN
	DRAWN: CMP
	PROJ.: 117-2202061
TETRA TECH	Figure 3

S:\CAD\RIPON\SEPTEMBER 2018\GE ELEVATIONS LAYER 3 JUNE 2018_9-27-18.DWG

Re-Surveyed Locations

WISCONSIN LAND SURVEYING, INC. SEPTEMBER 5, 2018
FF/NN LANDFILL RIPON, WI
ALL ELEVATIONS BASED ON NAVD 88 DATUM

Unit for WTM Northings and Eastings in Survey **ft** (*i.e.*, not in meters)

	TOP OF STEEL	TOP OF	GROUND	WI SPC NAD 83 SOUTH ZONE		WGS 84		WISCONSIN WTM NAD 83	
	CASING	PVC	SHOT	NORTH	EASTING	LAT	LONG	NORTHING	EASTING
MW-101	884.90	884.73	882.48	682761.34	2266220.91	43°52'03.86"	-88°52'15.70"	1239506.86	2003655.26
P-101	885.43	885.39	882.85	682765.68	2266223.45	43°52'03.90"	-88°52'15.67"	1239511.20	2003657.80
MW-102	843.38	842.90	840.88	682482.17	2266572.26	43°52'01.06"	-88°52'10.96"	1239227.80	2004006.55
P-102	843.30	842.85	840.65	682481.86	2266579.32	43°52'01.05"	-88°52'10.86"	1239227.49	2004013.61
MW-103	872.88	872.30	869.63	682104.06	2266213.57	43°51'57.37"	-88°52'15.92"	1238849.75	2003648.00
P-103	873.24	872.74	870.74	682098.46	2266212.75	43°51'57.31"	-8852'15.94"	1238844.15	2003647.18
P-103D	872.79	872.91	870.79	682101.91	2266208.79	43°51'57.35"	-88°52'15.99"	1238847.61	2003643.22
MW-104	875.28	875.20	872.30	682414.04	2265946.41	43°52'00.47"	-88°52'19.51"	1239159.62	2003380.88
P-104	875.36	875.40	872.56	682414.75	2265952.54	43°52'00.47"	-88°52'19.43"	1239160.33	2003387.01
MW-106	879.97	878.75	876.37	682210.42	2266835.29	43°51'58.34"	-88°52'07.42"	1238956.16	2004269.54
P-106	879.50	878.80	876.50	682210.89	2266828.99	43°51'58.34"	-88°52'07.51"	1238956.63	2004263.24
MW-107	872.64	871.69	869.36	681752.68	2266188.49	43°51'53.90"	-88°52'16.33"	1238498.46	2003622.97
P-107	872.32	871.33	869.15	681758.23	2266188.98	43°51'53.96"	-88°52'16.32"	1238504.01	2003623.45
P-107D	872.04	871.90	869.19	681760.49	2266170.98	43°51'53.98"	-88°52'16.57"	1238506.27	2003605.47
MW-108	845.41	845.08	842.83	682142.49	2265486.53	43°51'57.85"	-88°52'25.84"	1238888.09	2002921.15
P-108	845.42	845.48	843.00	682143.34	2265493.23	43°51'57.85"	-88°52'25.75"	1238888.94	2002927.84
MW-111	856.15	856.09	853.86	681224.61	2265999.60	43°51'48.71"	-88°52'19.01"	1237970.51	2003434.19
P-111	856.36	856.28	853.59	681232.95	2265998.87	43°51'48.80"	-88°52'19.02"	1237978.85	2003433.46
P-111D	855.46	855.56	852.60	681227.57	2265989.70	43°51'48.74"	-88°52'19.14"	1237973.47	2003424.30
MW-112	874.95	874.70	872.64	682070.27	2265968.29	43°51'57.07"	-88°52'19.28"	1238815.95	2003402.79
P-113A	833.28	833.16	830.44	679929.26	2265518.67	43°51'35.99"	-88°52'25.81"	1236675.45	2002953.54
P-113B	833.28	833.16	830.44	679929.26	2265518.67	43°51'35.99"	-88°52'25.81"	1236675.45	2002953.54
P-114	839.64	839.36	839.64	680682.48	2265602.31	43°51'43.41"	-88°52'24.53"	1237428.48	2003037.06
P-115	842.88	842.67	842.88	680537.36	2265868.16	43°51'41.94"	-88°52'20.93"	1237283.42	2003302.86
P-116	846.30	845.86	846.30	680532.34	2265229.47	43°51'41.98"	-88°52'29.65"	1237278.33	2002664.34
P-117	834.06	833.96	831.38	680917.66	2264705.13	43°51'45.86"	-88°52'36.73"	1237663.49	2002140.10
P-118	826.77	826.74	824.29	680923.28	2263798.08	43°51'46.03"	-88°52'49.11"	1237669.31	2001233.28
MW-3A	850.76	850.60	847.45	680922.29	2266665.45	43°51'45.64"	-88°52'09.98"	1237668.35	2004099.90
MW-3B	851.14	850.89	847.71	680921.58	2266675.25	43°51'45.63"	-88°52'09.84"	1237667.64	2004109.70
Rohde			844.98	680250.79	2266412.91	43°51'39.04"	-88°52'13.55"	1236997.00	2003847.50
LC-1			872.80	682616.67	2266020.98	43°52'02.46"	-88°52'18.93"	1239362.21	2003455.40

Re-Surveyed Locations

WISCONSIN LAND SURVEYING, INC. SEPTEMBER 5, 2018
FF/NN LANDFILL RIPON, WI
ALL ELEVATIONS BASED ON NAVD 88 DATUM

Unit for WTM Northings and Eastings in Survey **ft** (*i.e.*, not in meters)

	TOP OF STEEL	TOP OF	GROUND	WI SPC NAD 83 SOUTH ZONE		WGS 84		WISCONSIN WTM NAD 83	
	CASING	PVC	SHOT	NORTH	EASTING	LAT	LONG	NORTHING	EASTING
LC-2			862.03	682432.80	2266305.40	43°52'00.60"	-88°52'14.61"	1239178.42	2003739.76
LC-3			874.33	682278.04	2266023.50	43°51'59.11"	-88°52'18.49"	1239023.66	2003457.96
GV-1			874.24	682183.01	2266032.48	43°51'58.17"	-88°52'18.38"	1238928.66	2003466.95
GV-2			873.81	682330.58	2266017.55	43°51'59.63"	-88°52'18.56"	1239076.20	2003452.00
GV-3			873.69	682517.33	2266000.53	43°52'01.48"	-88°52'18.76"	1239262.89	2003434.97
GV-4			873.59	682666.83	2265985.45	43°52'02.96"	-88°52'18.93"	1239412.35	2003419.88
GV-5			868.45	682668.09	2266136.56	43°52'02.95"	-88°52'16.87"	1239413.63	2003570.95
GV-6			869.29	682518.31	2266150.03	43°52'01.47"	-88°52'16.72"	1239263.89	2003584.43
GV-7			869.75	682329.94	2266168.29	43°51'59.61"	-88°52'16.50"	1239075.57	2003602.71
GV-8			870.61	682179.79	2266184.45	43°51'58.12"	-88°52'16.31"	1238925.46	2003618.88
GV-9			866.18	682183.74	2266332.81	43°51'58.14"	-88°52'14.28"	1238929.43	2003767.20
GV-10			863.35	682333.57	2266318.38	43°51'59.62"	-88°52'14.45"	1239079.21	2003752.75
GV-11			861.74	682516.99	2266300.01	43°52'01.44"	-88°52'14.67"	1239262.58	2003734.36
GV-12			859.82	682668.97	2266285.27	43°52'02.94"	-88°52'14.84"	1239414.52	2003719.61
GP-1			846.47	682658.03	2266529.48	43°52'02.80"	-88°52'11.51"	1239403.62	2003963.76
GP-2			871.53	682646.73	2265857.40	43°52'02.78"	-88°52'20.69"	1239392.24	2003291.86
GP-3			872.18	682071.50	2265981.42	43°51'57.08"	-88°52'19.10"	1238817.17	2003415.92
GP-4			869.23	682090.45	2266391.08	43°51'57.21"	-88°52'13.50"	1238836.17	2003825.46
GP-5			840.70	682558.87	2266613.31	43°52'01.81"	-88°52'10.38"	1239304.49	2004047.58
GP-6			868.58	681972.25	2266206.30	43°51'56.07"	-88°52'16.05"	1238717.98	2003640.74
GP-7			870.74	681973.45	2265987.34	43°51'56.11"	-88°52'19.04"	1238719.15	2003421.85
GP-8	872.06 MH TOP		864.10 SUMP	682300.35	2265819.48	43°51'59.36"	-88°52'21.27"	1239045.94	2003253.99
GP-10			868.58	682860.46	2265860.37	43°52'04.89"	-88°52'20.61"	1239605.91	2003294.80
GP-11			877.27	682863.64	2266043.91	43°52'04.89"	-88°52'18.10"	1239609.11	2003478.29
GP-12			858.05	682771.12	2266554.62	43°52'03.91"	-88°52'11.15"	1239516.68	2003988.88

Unit for WTM_N and WTM_E in Survey **ft** (*i.e.*, not in meters)

Groundwater Monitoring Well Information Form

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date: 9/14/18	Completed By (Name and Firm):
Ripon FF/NN Landfill	431048200	467	~~05/07/2018~~	Ashley Wagner, Tetra Tech

WTM_N / WTM_E

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	DIR		Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enforcement Standards	Gradient	Distance to Waste
				N			Diameter	Type	Top of Well Casing	Ground Surface	MSL (y/n)	Site Datum (y/n)	Screen Top	Initial GW	Well Depth						
				E																	
PG204	MW-101	110	1,239,506.8600	N		05/13/1993	2.0	P	884.73	882.48	y	n	54.23	58.88	64.5	10.0	11/mw	A		U	75
			2,003,655.2600	E																	
PG215	P-101	131	1,239,511.2000	N		05/26/1993	2.0	P	885.39	882.85	y	n	91.49	59.33	96.49	5.0	12/pz	A		U	75
			2,003,657.8000	E																	
PG205	MW-102	111	1,239,227.8000	N		05/07/1993	2.0	P	843.9	840.88	y	n	14.00	16.36	24	10.0	11/mw	A		S	60
			2,004,006.5500	E																	
PJ951	P-102	123	1,239,227.4900	N		05/28/1993	2.0	P	842.85	840.65	y	n	56.15	16.1	61.15	5.0	12/pz	A		S	60
			2,004,013.6100	E																	
PG206	MW-103	112	1,238,849.7500	N		05/11/1993	2.0	P	872.3	869.63	y	n	43.70	50.00	53.7	10.0	11/mw	A		D	50
			2,003,648.0000	E																	
PG208	P-103	114	1,238,844.1500	N		05/19/1993	2.0	P	872.74	870.74	y	n	77.34	47.39	82.34	5.0	12/pz	A		D	50
			2,003,647.1800	E																	
PG243	P-103D	141	1,238,847.6100	N		12/10/2003	2.0	P	872.91	870.79	y	n	188.11		192.11	5.0	12/pz	A		D	50
			2,003,643.2200	E																	
PG207	MW-104	113	1,239,159.6200	N		05/10/1993	2.0	P	875.20	872.3	y	n	44.90	48.10	54.9	10.0	11/mw	A		Within landfill	0
			2,003,380.8800	E																	
PG209	P-104	115	1,239,160.3300	N		05/25/1993	2.0	P	875.4	872.56	y	n	87.80	48.31	92.8	5.0	12/pz	A		Within landfill	0
			2,003,387.0100	E																	
PG216	MW-106	132	1,238,956.1600	N		06/08/1993	2.0	P	878.75	876.37	y	n	47.35	52.26	57.35	10.0	11/mw	A		S	320
			2,004,269.5400	E																	
PG210	P-106	116	1,238,956.6300	N		06/09/1993	2.0	P	878.8	876.5	y	n	82.30	52.3	87.3	5.0	12/pz	A		S	320
			2,004,263.2400	E																	
PG211	MW-107	117	1,238,498.4600	N		05/12/1993	2.0	P	871.69	869.36	y	n	45.29	51.36	55.29	10.0	11/mw	A		D	375
			2,003,622.9700	E																	
PG212	P-107	118	1,238,504.0100	N		05/12/1993	2.0	P	871.33	869.15	y	n	82.13	50.52	87.13	5.0	12/pz	A		D	370
			2,003,623.4500	E																	
PG213	P-107D	119	1,238,506.2700	N		10/22/1993	2.0	P	871.9	869.19	y	n	317.70	52.35	322.7	10.0	12/pz	A		D	370
			2,003,605.4700	E																	
PG214	MW-108	120	1,238,888.0900	N		09/07/1993	2.0	P	845.08	842.83	y	n	20.28	25.16	30.28	10.0	11/mw	A		S	460
			2,002,921.1500	E																	
PJ952	P-108	125	1,238,888.9400	N		09/07/1993	2.0	P	845.45	843.00	y	n	57.48	23.2	62.48	5.0	12/pz	A		S	460
			2,002,927.8400	E																	
PJ953	MW-111	127	1,237,970.5100	N		04/04/1994	2.0	P	856.09	853.86	y	n	33.79	38.84	43.79	10.0	11/mw	A		D	900
			2,003,434.1900	E																	
PJ954	P-111	129	1,237,978.8500	N		04/05/1994	2.0	P	856.28	853.59	y	n	77.68	38.99	82.68	5.0	12/pz	A		D	900
			2,003,433.4600	E																	
PG201	P-111D	130	1,237,973.4700	N		04/02/2002	2.0	P	855.56	852.6	y	n	143.46	41.48	148.5	5.0	12/pz	A		D	900
			2,003,424.3000	E																	
LO787	MW-112	121	1,238,815.9500	N		1996	2.0	P	874.7	872.64	y	n	50.47		60.47	10.0	11/mw	A		D	60
			2,003,402.7900	E																	
PG241	P-113A	136	1,236,675.4500	N		09/05/2002	2.0	P	833.16	830.44	y	n	320.31		325.31	5.0	12/pz	A		D	2275
			2,002,953.5400	E																	

Unit for WTM_N and WTM_E in Survey **ft** (*i.e.*, not in meters)

Groundwater Monitoring Well Information Form

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date: 9/14/18	Completed By (Name and Firm):
Ripon FF/NN Landfill	431048200	467	~~05/07/2018~~	Ashley Wagner, Tetra Tech

WI Unique		DNR Well ID	WTM_N / WTM_E	DIR		Date	Well Casing		Elevations		Reference		Depths			Screen	Well	Well	Enforcement		Distance to
				N					Top of Well	Ground	MSL	Site Datum	Screen	Initial	Well						
PG242	P-113B	138	1,236,675.4500	N		09/06/2002	2.0	P	833.16	830.44	y	n	193.90		198.9	5.0	12/pz	A		D	2275
			2,002,953.5400	E																	
PG223	P-114	140	1,237,428.4800	N		01/28/2003	2.0	P	839.36	839.64	y	n	176.72		181.7	5.0	12/pz	A		D	1540
			2,003,037.0600	E																	
PG121	P-115	142	1,237,283.4200	N		04/16/2004	2.0	P	842.67	842.88	y	n	174.77	23.99	179.77	5.0	12/pz	A		D	1600
			2,003,302.8600	E																	
PG222	P-116	143	1,237,278.3300	N		04/15/2004	2.0	P	845.86	846.3	y	n	158.56	28.28	163.56	5.0	12/pz	A		D	1800
			2,002,664.3400	E																	
PG226	P-117	144	1,237,663.4900	N		11/17/2016	2.0	P	833.96	831.38	y	n	160.56	13.83	165.56	5.0	12/pz	A		D	1850
			2,002,140.1000	E																	
PG227	P-118	145	1,237,669.3100	N		08/11/2017	2.0	P	826.74	824.29	y	n	162.44	6.96	167.44	5.0	12/pz	A		D	2600
			2,001,233.2800	E																	
PG202	MW-3A	133	1,237,668.3500	N		1991	2.0	P	850.6	847.45	y	n	280.10		280.1		11/mw	A		D	1260
			2,004,099.9000	E																	
PG203	MW-3B	134	1,237,667.6400	N		1991	2.0	P	850.89	847.71	y	n	185.72		185.72		11/mw	A		D	1260
			2,004,109.7000	E																	
PR813	Rohde	207	1,236,997.0000	N		07/23/1970	8.0	S		844.98				18	228		13/pw	A		D	1930
			2,003,847.5000	E																	
	LC-1	301	1,239,362.2100	N		05/05/1993	4.0	P	876.15	872.8	y	n	7.00		27	20.0	25/lg	A		Within	0
			2,003,455.4000	E																	
	LC-2	302	1,239,178.4200	N		05/05/1993	4.0	P	866.05	862.03	y	n	16.00		26	10.0	25/lg	A		Within	0
			2,003,739.7600	E																	
	LC-3	303	1,239,023.6600	N		05/04/1993	4.0	P	877.34	874.33	y	n	6.00		26	20.0	25/lg	A		Within	0
			2,003,457.9600	E																	
	GV-1	304	1,238,928.6600	N			4.0	P		874.24	y	n					53/ge	I		Within	0
			2,003,466.9500	E																	
	GV-4	307	1,239,412.3500	N			4.0	P		873.59	y	n					53/ge	I		Within	0
			2,003,419.8800	E																	
	GV-6	309	1,239,263.8900	N			4.0	P		869.29	y	n					53/ge	A		Within	0
			2,003,584.4300	E																	
	GV-7	310	1,239,075.5700	N			4.0	P		869.75	y	n					53/ge	I		Within	0
			2,003,602.7100	E																	
	GV-9	312	1,238,929.4300	N			4.0	P		866.18	y	n					53/ge	I		Within	0
			2,003,767.2000	E																	
	GV-12	315	1,239,414.5200	N			4.0	P		859.82	y	n					53/ge	I		Within	0
			2,003,719.6100	E																	
	GP-1	400	1,239,403.6200	N		03/29/2004	2.0	P		846.47	y	n		6			51/gp	A		S	50
			2,003,963.7600	E																	
	GP-2	401	1,239,392.2400	N		05/20/2004	2.0	P		871.53	y	n					51/gp	A		S	90
			2,003,291.8600	E																	
	GP-3	402	1,238,817.1700	N		03/30/2004	2.0	P		872.18	y	n		30			51/gp	A		D	60
			2,003,415.9200	E																	

Unit for WTM_N and WTM_E in Survey **ft** (*i.e.*, not in meters)

Groundwater Monitoring Well Information Form

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date:	Completed By (Name and Firm):
Ripon FF/NN Landfill	431048200	467	9/14/18 ~~05/07/2018~~	Ashley Wagner, Tetra Tech

WTM_N / WTM_E

WI Unique		DNR Well ID		DIR		Date	Well Casing		Elevations		Reference		Depths			Screen	Well	Well	Enforcement		Distance to
				N					Top of Well	Ground	MSL	Site Datum	Screen	Initial	Well						
	GP-4	403	1,238,836.1700	N		03/30/2004	2.0	P		869.23	y	n		30			51/gp	A		D	50
			2,003,825.4600	E																	
	GP-5	404	1,239,304.4900	N		09/30/2004	2.0	P		840.7	y	n		3			51/gp	A		S	110
			2,004,047.5800	E																	
	GP-6	405	1,238,717.9800	N		10/01/2004	2.0	P		868.58	y	n		30			51/gp	A		D	140
			2,003,640.7400	E																	
	GP-7	406	1,238,719.1500	N		10/01/2004	2.0	P		870.74	y	n		30			51/gp	A		D	140
			2,003,421.8500	E																	
	GP-8	407	1,239,045.9400	N		09/30/2004	2.0	P		872.06	y	n		20			51/gp	A		S	140
			2,003,253.9900	E																	
	GP-10	408	1,239,605.9100	N		10/01/2004	2.0	P		868.58	y	n		30			51/gp	A		U	160
			2,003,294.8000	E																	
	GP-11	409	1,239,609.1100	N		09/30/2004	2.0	P		877.27	y	n		38			51/gp	A		U	150
			2,003,478.2900	E																	
	GP-12	410	1,239,516.6800	N		09/30/2004	2.0	P		858.05	y	n		12			51/gp	A		U	150
			2,003,988.8800	E																	
	GV-2	305	1,239,076.2000	N			4.0	P		873.81	y	n					53/ge	I		Within	0
			2,003,452.0000	E																	
	GV-3	306	1,239,262.8900	N			4.0	P		873.69	y	n					53/ge	I		Within	0
			2,003,434.9700	E																	
	GV-5	308	1,239,413.6300	N			4.0	P		868.45	y	n					53/ge	I		Within	0
			2,003,570.9500	E																	
	GV-8	311	1,238,925.4600	N			4.0	P		870.61	y	n					53/ge	I		Within	0
			2,003,618.8800	E																	
	GV-10	313	1,239,079.2100	N			4.0	P		863.35	y	n					53/ge	I		Within	0
			2,003,752.7500	E																	
	GV-11	314	1,239,262.5800	N			4.0	P		861.74	y	n					53/ge	I		Within	0
			2,003,734.3600	E																	

Unit for WTM_N and WTM_E in Survey **ft** (*i.e.*, not in meters)

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date:	Completed By (Name and Firm):
Ripon FF/NN Landfill	431048200	4107	9/14/18	Ashley Wagner TetraTech

WTM_N / WTM_E

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	DIR	Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enforcement Standards	Gradient	Distance to Waste
						Diameter	Type	Top of Well Casing	Ground Surface	MSL (y/n)	Site Datum (y/n)	Screen Top	Initial GW	Well Depth						
P6204	MW-101	110	1239506.86 N 2003655.26 E		5/13/93	2.0	P	884.73	882.48	Y	n	54.23	58.88	64.5	10	11/mw	A		U	62.5
P6215	P-101	131	1239511.20 N 2003657.80 E		5/26/93	2.0	P	885.39	882.85	Y	n	91.49		96.49	5	12/PZ	A		U	62.5
P6205	MW-102	111	1239227.80 N 2004006.55 E		5/7/93	2.0	P	842.90	840.88	Y	n	14.0	16.36	24.0	10	11/mw	A		S	60
PJ951	P-102	123	1239227.49 N 2004013.61 E		5/28/93	2.0	P	842.85	840.65	Y	n	56.15	16.10	61.15	5	12/PZ	A		S	60
P6206	MW-103	112	1238849.75 N 2003648.00 E		5/11/93	2.0	P	872.30	869.63	Y	n	43.7	50.0	53.7	10	11/mw	A		D	50
P6208	P-103	114	1238844.15 N 2003647.18 E		5/19/93	2.0	P	872.74	870.74	Y	n	77.34	47.39	82.34	5	12/PZ	A		D	50
P6243	P-103 D	141	1238847.61 N 2003643.22 E		12/10/03	2.0	P	872.91	870.79	Y	n	188.11		193.11	5	12/PZ	A		D	50
P6207	MW-104	113	1239159.62 N 2003380.88 E		5/10/93	2.0	P	875.20	872.30	Y	n	44.9	48.10	54.9	10	11/mw	A		within landfill	0
P6209	P-104	115	1239160.33 N 2003387.01 E		5/25/93	2.0	P	875.40	872.56	Y	n	87.8	48.31	92.8	5	12/PZ	A		within landfill	0
P6216	MW-106	132	1238956.16 N 2004269.54 E		6/18/93	2.0	P	878.75	876.37	Y	n	47.35	52.26	57.35	10	11/mw	A		S	320
P6210	P-106	116	1238956.63 N 2004263.24 E		6/9/93	2.0	P	878.80	876.50	Y	n	82.3	52.3	87.3	5	12/PZ	A		S	320
P6211	MW-107	117	1238498.46 N 2003622.97 E		5/12/93	2.0	P	871.69	869.36	Y	n	45.29	51.36	55.29	10	11/mw	A		D	375
P6212	P-107	118	1238504.01 N 2003623.45 E		5/12/93	2.0	P	871.33	869.15	Y	n	82.13	50.52	87.13	5	12/PZ	A		D	370
P6213	P-107D	119	1238506.27 N 2003605.47 E		10/22/93	2.0	P	871.90	869.19	Y	n	317.7	52.35	322.7	5	12/PZ	A		D	370
P6214	MW-108	120	1238888.09 N 2002921.15 E		9/7/93	2.0	P	845.08	842.83	Y	n	20.28	25.16	30.28	10	11/mw	A		S	460
PJ952	P-108	125	1238888.94 N 2002927.84 E		9/7/93	2.0	P	845.48	843.00	Y	n	57.48	23.2	62.48	5	12/PZ	A		S	460
PJ953	MW-111	127	1237970.51 N 2003434.19 E		4/4/94	2.0	P	856.09	853.86	Y	n	33.79	38.84	43.79	10	11/mw	A		D	900
PJ954	P-111	129	1237978.85 N 2003433.46 E		4/5/94	2.0	P	856.28	853.59	Y	n	77.68	38.99	82.68	5	12/PZ	A		D	900
P6201	P-111 D	130	1237973.47 N 2003424.30 E		4/2/02	2.0	P	855.56	852.60	Y	n	143.46	41.48	148.46	5	12/PZ	A		D	900
L0787	MW-112	121	1238815.95 N 2003402.79 E		1996	2.0	P	874.70	872.64	Y	n	50.47		60.47	10	11/mw	A		D	60
P6-241	P-113A	136	1231675.45 N 2002953.54 E		9/5/02	2.0	P	833.16	830.44	Y	n	320.31		325.31	50	12/PZ	A		D	2275

Unit for WTM_N and WTM_E in Survey **ft** (*i.e.*, not in meters)

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date:	Completed By (Name and Firm):
Ripon FF/NN Landfill	431048200	467	9/14/18	Ashley Wagner Tetra Tech

WTM_N / WTM_E

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	DIR	Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enforcement Standards	Gradient	Distance to Waste
						Diameter	Type	Top of Well Casing	Ground Surface	MSL (y/n)	Site Datum (y/n)	Screen Top	Initial GW	Well Depth						
P6242	P-113B	138	1236675.45 N 2002953.54 E		9/16/02	2.0	P	833.16	830.44	Y	n	193.90		198.9	5	12/PZ	A		D	2275
P6223	P-114	140	1237428.48 N 2003037.06 E		1/28/03	2.0	P	839.36	839.64	Y	n	176.72		181.7	5	12/PZ	A		D	1540
P6121	P-115	142	1237283.42 N 2003302.86 E		4/16/04	2.0	P	842.67	842.88	Y	n	174.77	23.99	179.77	5	12/PZ	A		D	1600
P6222	P-116	143	1237278.33 N 2002604.34 E		4/15/04	2.0	P	848.86	846.30	Y	n	158.56	28.28	163.56	5	12/PZ	A		D	1800
P6226	P-117	144	1237663.49 N 2002140.10 E		11/17/16	2.0	P	833.96	831.38	Y	n	160.56	13.83	165.56	5	12/PZ	A		D	1850
P6227	P-118	145	1237669.31 N 2001233.28 E		8/11/17	2.0	P	826.74	824.29	Y	n	162.44	16.96	167.44	5	12/PZ	A		D	2600
P6202	MW-3A	133	1237668.35 N 2004099.90 E		1991	2.0	P	850.60	847.45	Y	n	280.13		280.1		11/mw	A		D	1260
P6203	MW-3B	134	1237667.64 N 2004109.70 E		1991	2.0	P	850.89	847.71	Y	n	185.72		185.72		11/mw	A		D	1260
PR813	Rohde	207	1236997.00 N 2003847.50 E		7/23/70	8.0	P		844.98	Y	n		18	228		13/pw	A		D	1930
	LC-1	301	1239362.21 N 2003455.40 E		5/5/93	4.0	P	876.15	872.80	Y	n	7.7		27.7	20.0	25/lg	A		within	0
	LC-2	302	1239178.42 N 2003739.76 E		5/5/93	4.0	P	866.05	862.03	Y	n	17.91		27.91	10.0	25/lg	A		within	0
	LC-3	303	1239023.606 N 2003457.96 E		5/4/93	4.0	P	877.34	874.33	Y	n	6.14		26.14	20.0	25/lg	A		within	0
	GV-1	304	1238928.606 N 2003466.95 E			4.0	P		874.24	Y	n					53/gc	I		within	0
	GV-4	307	1239412.35 N 2003419.88 E			4.0	P		873.59	Y	n					53/gc	I		within	0
	GV-6	309	1239263.89 N 2003584.43 E			1.0	P		869.29	Y	n					53/gc	A		within	0
	GV-7	310	1239075.57 N 2003602.71 E			1.0	P		869.75	Y	n					53/gc	I		within	0
	GV-9	312	1238929.43 N 2003767.20 E			4.0	P		866.18	Y	n					53/gc	I		within	0
	GV-12	315	1239414.52 N 2003719.61 E			4.0	P		859.82	Y	n					53/gc	I		within	0
	GP-1	400	1239403.102 N 2003963.76 E		3/29/04	2.0	P		846.47	Y	n					51/gp	A		S	50
	GP-2	401	1239392.24 N 2003291.86 E		5/20/04	2.0	P		871.53	Y	n					51/gp	A		S	90
	GP-3	402	1238817.17 N 2003415.92 E		3/30/04	2.0	P		872.18	Y	n					51/gp	A		D	60

Unit for WTM_N and WTM_E in Survey **ft** (*i.e.*, not in meters)

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date:	Completed By (Name and Firm):
Bidon FF/NN Landfill	431048200	467	9/14/18	Ashley Wagner Tetra Tech

WTM_N / WTM_E

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	DIR	Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enforcement Standards	Gradient	Distance to Waste
						Diameter	Type	Top of Well Casing	Ground Surface	MSL (y/n)	Site Datum (y/n)	Screen Top	Initial GW	Well Depth						
	GP-4	403	1238836.17 N 2003825.46 E		3/30/04	2.0	P		869.23	Y	n					51/gp	A		D	50
	GP-5	404	1239304.49 N 2004047.58 E		9/30/04	2.0	P		840.70	Y	n					51/gp	A		S	110
	GP-6	405	1238717.98 N 2003640.74 E		10/1/04	2.0	P		868.58	Y	n					51/gp	A		D	140
	GP-7	406	1238719.15 N 2003421.85 E		10/1/04	2.0	P		870.74	Y	n					51/gp	A		D	140
	GP-8	407	1239045.94 N 2003253.99 E		9/30/04	2.0	P		872.06	Y	n					51/gp	A		S	140
	GP-10	408	1239605.91 N 2003294.80 E		10/1/04	2.0	P		868.58	Y	n					51/gp	A		U	160
	GP-11	409	1239609.11 N 2003478.29 E		9/30/04	2.0	P		877.27	Y	n					51/gp	A		U	150
	GP-12	410	1239516.168 N 2003988.88 E		9/30/04	2.0	P		858.05	Y	n					51/gp	A		U	150
	GV-2	305	1239076.20 N 2003452.00 E			4.0	P		873.81	Y	n					53/gc	I		within	0
	GV-3	306	1239262.89 N 2003434.97 E			4.0	P		873.69	Y	n					53/gc	I		within	0
	GV-5	308	1239413.63 N 2003570.95 E			4.0	P		868.45	Y	n					53/gc	I		within	0
	GV-8	311	1238925.46 N 2003618.88 E			4.0	P		870.61	Y	n					53/gc	I		within	0
	GV-10	313	1239079.21 N 2003752.75 E			4.0	P		863.35	Y	n					53/gc	I		within	0
	GV-11	314	1239262.58 N 2003734.36 E			4.0	P		861.74	Y	n					53/gc	I		within	0

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/NN Landfill
Facility License, Permit or Monitoring Number: ________

Grid Location: 682666.67 ft. ☒ N. ☐ S.
226602098 ft. ☒ E. ☐ W.

Well Name: LC-1
Wis. Unique Well Number / DNR Well Number:

Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12 — leachate head well

Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W

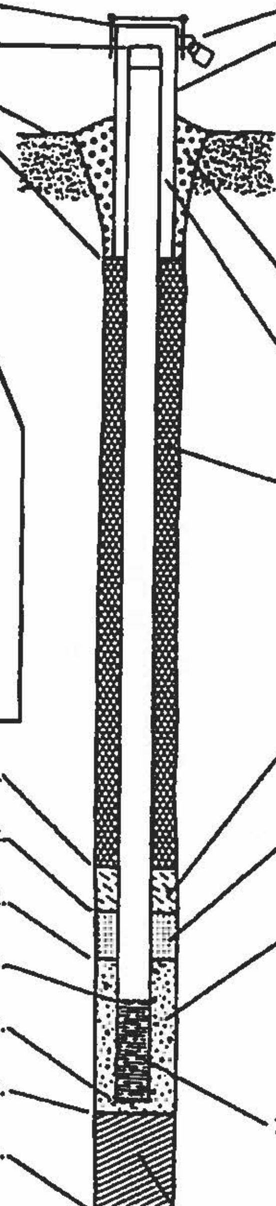
Date Well Installed: 05/05/93 (mm dd yy)

Distance Well Is From Waste/Source Boundary: ø ft.

Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known

Well Installed By: (Person's Name and Firm) Eric Schoenbus WTD

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No



A. Protective pipe, top elevation ________ ft. MSL
B. Well casing, top elevation 873.50 ft. MSL
C. Land surface elevation 872.80 ft. MSL
D. Surface seal, bottom ______ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock — refuse

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ________

17. Source of water (attach analysis): N/A

E. Bentonite seal, top 872.8 ft. MSL or 0.0 ft.
F. Fine sand, top 867.8 ft. MSL or 5.0 ft.
G. Filter pack, top 866.8 ft. MSL or 6.0 ft.
H. Well screen, top 865.8 ft. MSL or 7.0 ft.
I. Well screen, bottom 845.8 ft. MSL or 27.0 ft.
J. Filter pack, bottom 842.8 ft. MSL or 30.0 ft.
K. Borehole, bottom 838.8 ft. MSL or 34.0 ft.
L. Borehole, diameter 10.3 in.
M. O.D. well casing 4.50 in.
N. I.D. well casing 3.79 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 3 bumper posts

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐

5. Annular space seal: none
Granular Bentonite ☐ 33
____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: N/A — Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite chips — Other ☒

7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 1 bag

8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 16 bags

9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; Other ☐

10. Screen material: same as casing
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 19.3 ft.

11. Backfill material (below filter pack): None ☐; Other ☒ — Bentonite Chips

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Simon Hydro-Search

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/WN Landfill	Grid Location: 682432.80 ft. ☒ N. ☐ S. / 2260305.40 ft. ☒ E. ☐ W.	Well Name: LC-2
Facility License, Permit or Monitoring Number: ________		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11 / Piezometer ☐ 12 — chute head well	Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W	Date Well Installed: 05/06/93 (mm dd yy)
Distance Well Is From Waste/Source Boundary: 0 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) Eric Schoenbus - WTD
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation ________ ft. MSL
B. Well casing, top elevation 863.91 ft. MSL
C. Land surface elevation 862.03 ft. MSL
D. Surface seal, bottom ________ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock Refuse

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ________

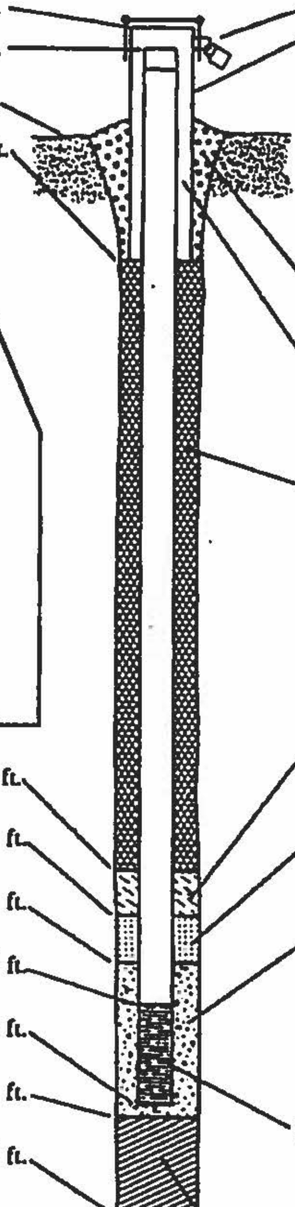
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ________

17. Source of water (attach analysis): N/A

E. Bentonite seal, top 862.0 ft. MSL or 0.0 ft.
F. Fine sand, top 850.0 ft. MSL or 12.0 ft.
G. Filter pack, top 848.0 ft. MSL or 14.0 ft.
H. Well screen, top 846.0 ft. MSL or 16.0 ft.
I. Well screen, bottom 836.0 ft. MSL or 26.0 ft.
J. Filter pack, bottom 835.0 ft. MSL or 27.0 ft.
K. Borehole, bottom 835.0 ft. MSL or 27.0 ft.
L. Borehole, diameter 10.3 in.
M. O.D. well casing 4.50 in.
N. I.D. well casing 3.79 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 3 bumper posts
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ / Other ☐
5. Annular space seal: None — Granular Bentonite ☐ 33
____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: N/A Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size
Badger fine sand
Volume added 1 bag
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint # 30
Volume added 3 bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23
Flush threaded PVC schedule 80 ☒ 24
Other ☐
10. Screen material: Same as casing
Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 10' 9.6 ft.
11. Backfill material (below filter pack): None ☐ / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	Simon Hydro-Search

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Rice Lake FF/NW Landfill	Grid Location: 682278.04 ft. ☒ N. ☐ S. / 2266023.50 ft. ☒ E. ☐ W.	Well Name: LC-3
Facility License, Permit or Monitoring Number: [redacted]		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Leachate Headwell/Piezometer ☐ 12	Section Location: SE 1/4 of SE 1/4 of Section 7, T 34 N, R 13 ☒ E ☐ W	Date Well Installed: 05/04/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: 0 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) Eric Schonberg WTD
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 874.44 ft. MSL
C. Land surface elevation 874.33 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock Refuse

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top 874.3 ft. MSL or 0.0 ft.
F. Fine sand, top 873.3 ft. MSL or ~~1.0~~ 1.0 ft.
G. Filter pack, top 873.3 ft. MSL or 1.0 ft.
H. Well screen, top 868.3 ± ft. MSL or 6.0 ft.
I. Well screen, bottom 848.3 ft. MSL or 26.0 ft.
J. Filter pack, bottom 846.3 ft. MSL or 28.0 ft.
K. Borehole, bottom 834.3 ft. MSL or 40.0 ft.
L. Borehole, diameter 10.3 in.
M. O.D. well casing 4.50 in.
N. well casing 3.79 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 3 Bumper posts
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐ ____
5. Annular space seal: None Granular Bentonite ☐ 33; ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35; ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31; ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50; ____ Ft³ volume added for any of the above
How installed: N/A Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33; ☐ 1/4 in. ☐ 3/8 in. ☒ 1/2 in. Bentonite pellets ☐ 32; Bentonite chips Other ☒ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger fine sand
Volume added 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 16 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; Other ☐ ____
10. Screen material: same as casing
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 20 ft.
11. Backfill material (below filter pack): None ☐
Bentonite chips Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/NN Landfill
Facility License, Permit or Monitoring Number:
Type of Well: Water Table Observation Well ☒ 11 Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Grid Location: 1082761.34 ft. ☒ N. ☐ S. 2266220.91 ft. ☒ E. ☐ W.
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known

Well Name: MW-101
Wis. Unique Well Number: DNR Well Number:
Date Well Installed: 05/13/93 (m m d d y y)
Well Installed By: (Person's Name and Firm) Eric Schoenbuz - WTI

a. Protective pipe, top elevation 884.90 ft. MSL
b. Well casing, top elevation 884.73 ft. MSL
c. Land surface elevation 882.48 ft. MSL
d. Surface seal, bottom 878.5 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP
☒ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐
N/A

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis):
N/A

Bentonite seal, top 430 ft. MSL or 839.5 ft.
Fine sand, top 480 ft. MSL or 834.5 ft.
Filter pack, top 500 ft. MSL or 832.5 ft.
Well screen, top 520 ft. MSL or 830.5 ft.
Well screen, bottom 620 ft. MSL or 820.5 ft.
Filter pack, bottom 630 ft. MSL or 819.5 ft.
Borehole, bottom 630 ft. MSL or 819.5 ft.
Borehole, diameter 8.3 in.
O.D. well casing 2.38 in.
I.D. well casing 2.05 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 5.4 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐
5. Annular space seal: Granular Bentonite ☐ 33
___ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
___ Lbs/gal mud weight ..... Bentonite slurry ☒ 31
___ % Bentonite .... Bentonite-cement grout ☐ 50
___ Ft³ volume added for any of the above
How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 2 bags ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 6 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: Same as casing
Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 2.0 ft.
11. Backfill material (below filter pack): None ☒ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Lincoln Pinnacle(?) Landfill

Facility License, Permit or Monitoring Number: ________

Type of Well: Water Table Observation Well ☐ 11; Piezometer ☒ 12

Distance Well Is From Waste/Source Boundary: ___ ft.

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Grid Location: 1082765.68 ft. ☒ N. ☐ S.; 2260223.45 ft. ☒ E. ☐ W.

Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W

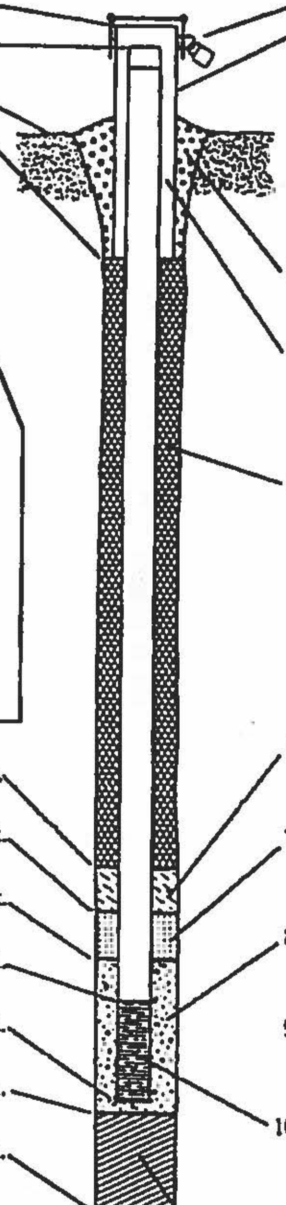
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known

Well Name: P-101

Wis. Unique Well Number / DNR Well Number:

Date Well Installed: 05 26 93 (m m d d y y)

Well Installed By: (Person's Name and Firm) Paul Dickson(?) – WTD



A. Protective pipe, top elevation: 885.43 ft. MSL
B. Well casing, top elevation: 885.39 ft. MSL
C. Land surface elevation: 882.85 ft. MSL
D. Surface seal, bottom: 878.9 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen: ☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe: N/A

17. Source of water (attach analysis): N/A

E. Bentonite seal, top: 802.9 ft. MSL or 80.0 ft.
F. Fine sand, top: 797.9 ft. MSL or 85.0 ft.
G. Filter pack, top: 795.9 ft. MSL or 87.0 ft.
H. Well screen, top: 793.9 ft. MSL or 89.0 ft.
I. Well screen, bottom: 788.9 ft. MSL or 94.0 ft.
J. Filter pack, bottom: 787.9 ft. MSL or 95.0 ft.
K. Borehole, bottom: 787.9 ft. MSL or 95.0 ft.
L. Borehole, diameter: 8.3 in.
M. O.D. well casing: 2.38 in.
N. I.D. well casing: 1.91 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐
5. Annular space seal: Granular Bentonite ☐ 33
___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
___ Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31
___ % Bentonite . . . . Bentonite-cement grout ☐ 50
160 gal Volume added for any of the above
How installed: Tremie ☒ 01; Tremie pumped ☒ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size: Badger fine sand
Volume added: 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #30
Volume added: 2 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; Other ☐
10. Screen material: Same as casing
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer: Timco
Slot size: 0.010 in.
Slotted length: 4.4 ft.
11. Backfill material (below filter pack): None ☒; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] | Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Kiefer FF/NN Landfill
Facility License, Permit or Monitoring Number:
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Grid Location: 682482.17 ft. ☒ N. ☐ S.; 2216572.26 ft. ☒ E. ☐ W.
Section Location: SE 1/4 of SE 1/4 of Section 7
T 11e N, R 17 ☒ E ☐ W
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known

Well Name: MW-102
Wis. Unique Well Number: DNR Well Number:
Date Well Installed: 05/07/93 (m m / d d / y y)
Well Installed By: (Person's Name and Firm) Eric Schoenberg WTO

A. Protective pipe, top elevation 843.38 ft. MSL
B. Well casing, top elevation 842.90 ft. MSL
C. Land surface elevation 840.88 ft. MSL
D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐
Describe: N/A

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe: N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top 840.9 ft. MSL or 0.0 ft.
F. Fine sand, top 832.9 ft. MSL or 8.0 ft.
G. Filter pack, top 830.9 ft. MSL or 10.0 ft.
H. Well screen, top 828.9 ft. MSL or 12.0 ft.
Well screen, bottom 818.9 ft. MSL or 22.0 ft.
Filter pack, bottom 817.9 ft. MSL or 23.0 ft.
I. Borehole, bottom 817.9 ft. MSL or 23.0 ft.
Borehole, diameter 8.3 in.
J. O.D. well casing 2.38 in.
well casing 2.05 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 20 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐
5. Annular space seal: None; Granular Bentonite ☐ 33; ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35; ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31; ____ % Bentonite . . . . Bentonite-cement grout ☐ 50; ____ Ft³ volume added for any of the above
How installed: N/A Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33; ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32; Bentonite chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size: Badger Fine Sand
Volume added: 1 bag ☒
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #30
Volume added: 4 bags ☒
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: Same as casing; Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer: Timco
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/NN landfill
Facility License, Permit or Monitoring Number: __ __ __ __ __ __
Type of Well: Water Table Observation Well ☐ 11 / Piezometer ☒ 12
Distance Well Is From Waste/Source Boundary ____ ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

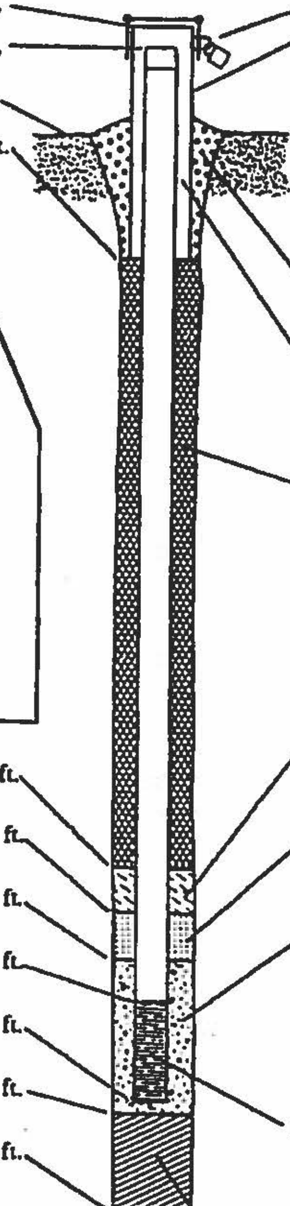
Grid Location: 1082481.86 ft. ☒ N. ☐ S. / 2261057 9.32 ft. ☒ E. ☐ W.
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known

Well Name: P-102
Wis. Unique Well Number: __ __ __ __ __ DNR Well Number: __ __
Date Well Installed: 05/28/93 (m m d d y y)
Well Installed By: (Person's Name and Firm) Paul Dickonson – WTD

A. Protective pipe, top elevation 843.30 ft. MSL
B. Well casing, top elevation 842.85 ft. MSL
C. Land surface elevation 840.65 ft. MSL
D. Surface seal, bottom 836.7 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen: ☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐ Bedrock
13. Sieve analysis attached? ☒ Yes ☐ No
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ____
15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe: N/A
17. Source of water (attach analysis): N/A

E. Bentonite seal, top 795.7 ft. MSL or 45.0 ft.
F. Fine sand, top 790.7 ft. MSL or 50.0 ft.
G. Filter pack, top 788.7 ft. MSL or 52.0 ft.
H. Well screen, top 786.7 ft. MSL or 54.0 ft.
I. Well screen, bottom 781.7 ft. MSL or 59.0 ft.
J. Filter pack, bottom 780.7 ft. MSL or 60.0 ft.
K. Borehole, bottom 780.7 ft. MSL or 60.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 1.91 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 6.0 in.
   b. Length: 7.0 ft.
   c. Material: Steel ☒ 04 / Other ☐
   d. Additional protection? ☐ Yes ☒ No — If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ / Other ☐
5. Annular space seal: Granular Bentonite ☐ 33
   ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
   ____ Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31
   ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
   130 gal volume added for any of the above
   How installed: Tremie ☐ 01 / Tremie pumped ☒ 02 / Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33 / ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32 / Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size: Badger Fine Sand
   Volume added: 1 bag
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #30
   Volume added: 5 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / Other ☐
10. Screen material: Same as casing
    Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
    Manufacturer: Timco
    Slot size: 0.010 in.
    Slotted length: 4.9 ft.
11. Backfill material (below filter pack): None ☒ / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: RIPON FFW Landfill
Facility License, Permit or Monitoring Number:
Grid Location: 682104.06 ft. N. S. / 2266213.57 ft. E. W.
Well Name: MW-103
Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well 11 / Piezometer 12
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E W
Date Well Installed: 05/11/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ft.
Well Installed By: (Person's Name and Firm): Eric Schoenberg, W. T. D
Is Well A Point of Enforcement Std. Application? Yes No
Location of Well Relative to Waste/Source: Upgradient, Sidegradient, Downgradient, Not Known

A. Protective pipe, top elevation 872.88 ft. MSL
B. Well casing, top elevation 872.30 ft. MSL
C. Land surface elevation 869.63 ft. MSL
D. Surface seal, bottom 865.6 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 50 / Hollow Stem Auger 41 / Other

15. Drilling fluid used: Water 02 / Air 01 / Drilling Mud 03 / None 99

16. Drilling additives used? Yes No
Describe

17. Source of water (attach analysis):

E. Bentonite seal, top 837.6 ft. MSL or 32.0 ft.
F. Fine sand, top 832.6 ft. MSL or 37.0 ft.
G. Filter pack, top 830.6 ft. MSL or 39.0 ft.
H. Well screen, top 828.6 ft. MSL or 41.0 ft.
I. Well screen, bottom 818.6 ft. MSL or 51.0 ft.
J. Filter pack, bottom 817.6 ft. MSL or 52.0 ft.
K. Borehole, bottom 817.6 ft. MSL or 52.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.

1. Cap and lock? Yes No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel 04 / Other
d. Additional protection? Yes No
If yes, describe:
3. Surface seal: Bentonite 30 / Concrete 01 / Other
4. Material between well casing and protective pipe: Bentonite 30 / Annular space seal / Other
5. Annular space seal: Granular Bentonite 33 / ____ Lbs/gal mud weight ... Bentonite-sand slurry 35 / ____ Lbs/gal mud weight ..... Bentonite slurry 31 / ____ % Bentonite .... Bentonite-cement grout 50
90 gal volume added for any of the above
How installed: Tremie 01 / Tremie pumped 02 / Gravity 08
6. Bentonite seal: Bentonite granules 33 / 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32 / Other
Bentonite chips
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 6 bags
9. Well casing: Flush threaded PVC schedule 40 23 / Flush threaded PVC schedule 80 24 / Other
10. Screen material: Same as casing
Screen type: Factory cut 11 / Continuous slot 01 / Other
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 9.1 ft.
11. Backfill material (below filter pack): None / Other
None

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro Search

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon SF/NP Landfill	Grid Location: 1682098.46 ft. ☑ N. ☐ S.	Well Name: P-103
Facility License, Permit or Monitoring Number:	2216212.75 ft. ☑ E. ☐ W.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☒ 12	Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☐ E ☐ W	Date Well Installed: 05/19/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☑ Not Known	Well Installed By: (Person's Name and Firm) TD Eric Schoenberg - WTD
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 873.24 ft. MSL
B. Well casing, top elevation 872.74 ft. MSL
C. Land surface elevation 870.74 ft. MSL
D. Surface seal, bottom 866.7 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☒ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

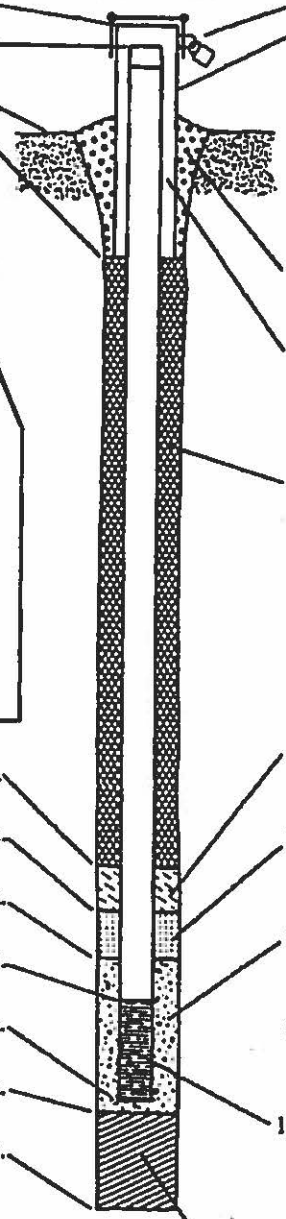
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☒ 01; Drilling Mud ☐ 03; None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top 802.9 ft. MSL or 67.8 ft.
F. Fine sand, top 797.9 ft. MSL or 72.8 ft.
G. Filter pack, top 797.4 ft. MSL or 73.3 ft.
H. Well screen, top 795.4 ft. MSL or 75.3 ft.
I. Well screen, bottom 790.4 ft. MSL or 80.3 ft.
J. Filter pack, bottom 790.4 ft. MSL or 80.3 ft.
K. Borehole, bottom 790.4 ft. MSL or 80.3 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. well casing 1.91 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☐ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐ ____
5. Annular space seal: Granular Bentonite ☐ 33; ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35; ____ Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31; ____ % Bentonite . . . . Bentonite-cement grout ☐ 50; 275 gal ☒ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☒ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33; ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32; Beadonite chips Other ☒ ____
7. Fine sand material: Manufacturer, product name and mesh size: Badger Blend
Volume added 1/2 bag ☒
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #30
Volume added 1 1/2 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; Other ☐ ____
10. Screen material: Same as Casing
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 5' 4.5 ft.
11. Backfill material (below filter pack): None ☒; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: P-103D
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 57.4" Long. -88° 52' 16.0" or	Wis. Unique Well No.: PG243 / DNR Well Number: 141
Facility ID: 431048200	St. Plane 682,102 ft. N, 2,266,209 ft. E. S / C / N	Date Well Installed: 12/10/2003
Type of Well: Well Code 72/dp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Stacy Kizewski / Boart Longyear
Distance from Waste/Source: 50 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 872.79 ft. MSL
B. Well casing, top elevation 872.91 ft. MSL
C. Land surface elevation 870.8 ft. MSL
D. Surface seal, bottom 866.8 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

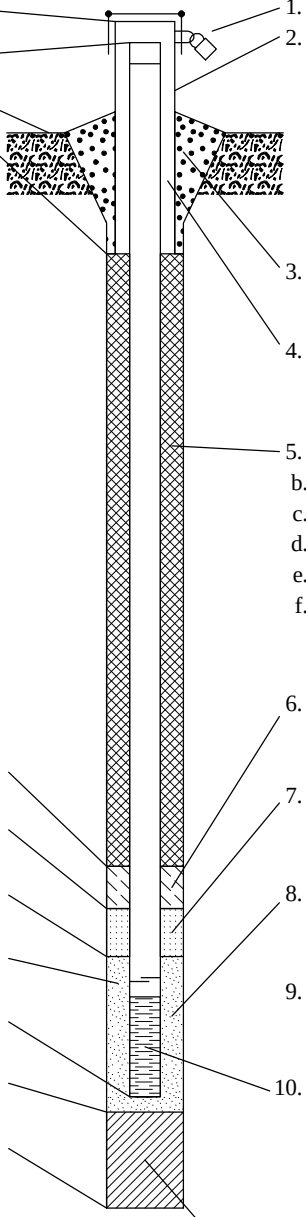
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☐ 4 1 / Rotosonic / Other ☒

15. Drilling fluid used: Water ☒ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
City of Green Lake

E. Bentonite seal, top 696.8 ft. MSL or 174.0 ft.
F. Fine sand, top 688.8 ft. MSL or 182.0 ft.
G. Filter pack, top 686.8 ft. MSL or 184.0 ft.
H. Screen joint, top 684.8 ft. MSL or 186.0 ft.
I. Well bottom 679.8 ft. MSL or 191.0 ft.
J. Filter pack, bottom 679.8 ft. MSL or 191.0 ft.
K. Borehole, bottom 679.8 ft. MSL or 191.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 1.94 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. 3.4 Lbs/gal mud weight . . . Bentonite slurry ☒ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 160 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☒ 0 2 / Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining Company #7
b. Volume added 0.375 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 1.375 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3 / Flush threaded PVC schedule 80 ☒ 2 4 / Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: RioN FPNW Landfill
Facility License, Permit or Monitoring Number:
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: ft.
Was Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Grid Location: 682414.04 ft. ☒ N. ☐ S.; 2216946.41 ft. ☒ E. ☐ W.
Section Location: SE 1/4 of SE 1/4 of Section 7, T 26 N, R 17 ☒ E ☐ W
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known

Well Name: MW-604
Wis. Unique Well Number: DNR Well Number:
Date Well Installed: 05/12/93 (m m d d y y)
Well Installed By: (Person's Name and Firm) Eric Schoenberg - WTD

A. Protective pipe, top elevation: 875.28 ft. MSL
B. Well casing, top elevation: 875.20 ft. MSL
C. Land surface elevation: 872.30 ft. MSL
D. Surface seal, bottom: ft. MSL or 0.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☒ SW ☐ SP
☒ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe: N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top: 872.3 ft. MSL or 0.0 ft.
F. Fine sand, top: 834.3 ft. MSL or 38.0 ft.
G. Filter pack, top: 832.3 ft. MSL or 40.0 ft.
H. Well screen, top: 830.3 ft. MSL or 42.0 ft.
Well screen, bottom: 820.3 ft. MSL or 52.0 ft.
Filter pack, bottom: 819.3 ft. MSL or 53.0 ft.
I. Borehole, bottom: 819.3 ft. MSL or 53.0 ft.
Borehole, diameter: 8.3 in.
J. O.D. well casing: 2.38 in.
well casing: 2.05 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: Bumper posts
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐
5. Annular space seal: None; Granular Bentonite ☐ 33; ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35; ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31; ____ % Bentonite .... Bentonite-cement grout ☐ 50; ____ Ft³ volume added for any of the above
How installed: N/A; Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33; ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32; Bentonite chips; Other ☒
7. Fine sand material: Manufacturer, product name and mesh size: Badger Fine Sand
Volume added: 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size: Red Rock #30
Volume added: 7 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: same as casing; Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer: Timco
Slot size: 0.010 in.
Slotted length: 9.9 ft.
11. Backfill material (below filter pack): None ☒; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: R.P.D.F. / NW Landfill
Facility License, Permit or Monitoring Number:
Type of Well: Water Table Observation Well ☐ 11 Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Grid Location: 682414.75 ft. ☒ N. ☐ S.; 2265952.54 ft. ☒ E. ☐ W.
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known

Well Name: P-104
Wis. Unique Well Number / DNR Well Number:
Date Well Installed: 05/23/95 (m m / d d / y y)
Well Installed By: (Person's Name and Firm)
Eric Schomburg - WTD

a. Protective pipe, top elevation: 875.36 ft. MSL
b. Well casing, top elevation: 875.40 ft. MSL
c. Land surface elevation: 875.6 ft. MSL
d. Surface seal, bottom: 871.6 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP
☒ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

4. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☒ 41; Other ☐
5. Drilling fluid used: Water ☐ 02; Air ☒ 01; Drilling Mud ☐ 03; None ☐ 99
6. Drilling additives used? ☐ Yes ☒ No
Describe: N/A
7. Source of water (attach analysis): N/A

Bentonite seal, top	796.6 ft. MSL	78.0 ft.
Fine sand, top	791.6 ft. MSL	83.0 ft.
Filter pack, top	789.6 ft. MSL	85.0 ft.
Well screen, top	787.6 ft. MSL	85.0 ft.
Well screen, bottom	782.6 ft. MSL	90.0 ft.
Filter pack, bottom	779.6 ft. MSL	93.0 ft.
Borehole, bottom	779.6 ft. MSL	93.0 ft.
Borehole, diameter	6.0	in.
O.D. well casing	2.38	in.
I.D. well casing	1.91	in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: bumper posts
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐
5. Annular space seal: Granular Bentonite ☐ 33
___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
___ Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31
___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
170 gal ft³ volume added for any of the above
How installed: Tremie ☒ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 3 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; Other ☐
10. Screen material: Same as Casing
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer: Timco
Slot size: 0.010 in.
Slotted length: 5.2 ft.
11. Backfill material (below filter pack): None ☒; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/WN Landfill
Facility License, Permit or Monitoring Number:
Grid Location: 682210.42 ft. ☒ N. ☐ S. — 2216835.29 ft. ☐ E. ☒ W.
Well Name: MW-106
Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well ☒ 11 — Piezometer ☐ 12
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W
Date Well Installed: 06/14/93 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ft.
Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No
Well Installed By: (Person's Name and Firm): Eric Schoenburg - WTD

A. Protective pipe, top elevation 879.97 ft. MSL
B. Well casing, top elevation 876.75 ft. MSL
C. Land surface elevation 876.37 MSL
D. Surface seal, bottom 872. ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

14. Drilling method used: Rotary ☒ 30
Hollow Stem Auger ☐ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☒ 01
Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top 840.4 ft. MSL or 36.0 ft.
F. Fine sand, top 835.4 ft. MSL or 41.0 ft.
G. Filter pack, top 833.4 ft. MSL or 43.0 ft.
H. Well screen, top 831.4 ft. MSL or 45.0 ft.
I. Well screen, bottom 821.4 ft. MSL or 55.0 ft.
J. Filter pack, bottom 821.4 ft. MSL or 55.0 ft.
K. Borehole, bottom 821.4 ft. MSL or 55.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 20. ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Bumper posts
3. Surface seal: Bentonite ☐ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐
5. Annular space seal: Granular Bentonite ☐ 33
___ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
___ Lbs/gal mud weight ..... Bentonite slurry ☒ 31
___ % Bentonite .... Bentonite-cement grout ☐ 50
___ Ft³ volume added for any of the above
How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 1 Bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #50
Volume added 8 Bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
10. Screen material: Same
Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 5. ft.
11. Backfill material (below filter pack): None ☒ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with s. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/MW Landfill
Facility License, Permit or Monitoring Number:
Grid Location: 682210.89 ft. N. S. / 2216828.99 ft. E. W.
Well Name: P-106
Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well 11 / Piezometer 12
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E W
Date Well Installed: 06 09 93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ft.
Well Installed By: (Person's Name and Firm) Eric Schoenberg - WTH
Is Well A Point of Enforcement Std. Application? Yes No
Location of Well Relative to Waste/Source: Upgradient, Sidegradient, Downgradient, Not Known

a. Protective pipe, top elevation 879.50 ft. MSL
b. Well casing, top elevation 878.80 ft. MSL
c. Land surface elevation 876.50 ft. MSL
d. Surface seal, bottom 872.5 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 50, Hollow Stem Auger 41, Other

15. Drilling fluid used: Water 02, Air 01, Drilling Mud 03, None 99

16. Drilling additives used? Yes No
Describe N/A

17. Source of water (attach analysis):
N/A

a. Bentonite seal, top 805 ft. MSL or 71.0 ft.
b. Fine sand, top 800.5 ft. MSL or 76.0 ft.
c. Filter pack, top 798.5 ft. MSL or 78.0 ft.
d. Well screen, top 796.5 ft. MSL or 80.0 ft.
e. Well screen, bottom 791.5 ft. MSL or 85.0 ft.
f. Filter pack, bottom 790.5 ft. MSL or 86.0 ft.
g. Borehole, bottom 786.5 ft. MSL or 90.0 ft.
h. Borehole, diameter 6.0 in.
i. O.D. well casing 2.38 in.
j. well casing 1.91 in.

1. Cap and lock? Yes No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel 04, Other
d. Additional protection? Yes No
If yes, describe: Bumper posts
3. Surface seal: Bentonite 30, Concrete 01, Other
4. Material between well casing and protective pipe: Bentonite 30, Annular space seal, Other
5. Annular space seal: Granular Bentonite 33
Lbs/gal mud weight ... Bentonite-sand slurry 35
Lbs/gal mud weight ..... Bentonite slurry 31
% Bentonite ..... Bentonite-cement grout 50
Ft³ volume added for any of the above
How installed: Tremie 01, Tremie pumped 02, Gravity 08
6. Bentonite seal: Bentonite granules 33
1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
Bentonite chips Other
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 2 bags ft³
9. Well casing: Flush threaded PVC schedule 40 23, Flush threaded PVC schedule 80 24, Other
10. Screen material: Same as casing
Screen type: Factory cut 11, Continuous slot 01, Other
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None, Other
Formation Sand heaved to 80

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Badger AP/INW Landfill
Facility License, Permit or Monitoring Number:
Grid Location: 1081752.68 ft. [X] N. [ ] S. — 2216188.49 ft. [X] E. [ ] W.
Well Name: MW-107
Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well [X] 11 — Piezometer [ ] 12
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 [X] E [ ] W
Date Well Installed: 05/12/93
Distance Well Is From Waste/Source Boundary: ft.
Well Installed By: (Person's Name and Firm) Eric Schmaltz WTD
Is Well A Point of Enforcement Std. Application? [ ] Yes [ ] No
Location of Well Relative to Waste/Source: [ ] Upgradient [ ] Sidegradient [ ] Downgradient [X] Not Known

A. Protective pipe, top elevation 872.64 ft. MSL
B. Well casing, top elevation 871.69 ft. MSL
C. Land surface elevation 869.36 ft. MSL
D. Surface seal, bottom 865.4 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
[ ] GP [ ] GM [ ] GC [ ] GW [ ] SW [ ] SP
[X] SM [ ] SC [ ] ML [ ] MH [ ] CL [ ] CH
[ ] Bedrock

13. Sieve analysis attached? [X] Yes [ ] No

14. Drilling method used: Rotary [ ] 50 — Hollow Stem Auger [X] 41 — Other [ ]

15. Drilling fluid used: Water [ ] 02 — Air [ ] 01 — Drilling Mud [ ] 03 — None [X] 99

16. Drilling additives used? [ ] Yes [X] No
Describe N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top 835.4 ft. MSL or 34.6 ft.
F. Fine sand, top 830.9 ft. MSL or 39.0 ft.
G. Filter pack, top 828.4 ft. MSL or 41.0 ft.
H. Well screen, top 826.9 ft. MSL or 43.0 ft.
I. Well screen, bottom 816.9 ft. MSL or 53.0 ft.
J. Filter pack, bottom 815.4 ft. MSL or 54.0 ft.
K. Borehole, bottom 815.4 ft. MSL or 54.0 ft.
L. Borehole, diameter 6.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.

1. Cap and lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 10 ft.
c. Material: Steel [X] 04 — Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Bumper post
3. Surface seal: Bentonite [X] 30 — Concrete [ ] 01 — Other [ ]
4. Material between well casing and protective pipe: Bentonite [X] 30 — Annular space seal [ ] — Other [ ]
5. Annular space seal: Granular Bentonite [ ] 33
____ Lbs/gal mud weight ... Bentonite-sand slurry [ ] 35
____ Lbs/gal mud weight ..... Bentonite slurry [X] 31
____ % Bentonite .... Bentonite-cement grout [ ] 50
90gal volume added for any of the above
How installed: Tremie [ ] 01 — Tremie pumped [ ] 02 — Gravity [X] 08
6. Bentonite seal: Bentonite granules [ ] 33
[ ] 1/4 in. [ ] 3/8 in. [ ] 1/2 in. Bentonite pellets [ ] 32
Bentonite Chips Other [X]
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 6 bags ft³
9. Well casing: Flush threaded PVC schedule 40 [X] 23 — Flush threaded PVC schedule 80 [ ] 24 — Other [ ]
10. Screen material: Same as Casing
Screen type: Factory cut [X] 11 — Continuous slot [ ] 01 — Other [ ]
Manufacturer TIMCO
Slot size: 0.010 in.
Slotted length: 10' 3.9 ft.
11. Backfill material (below filter pack): None [X] — Other [ ]

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Sirrt Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF INN Landfill
Facility License, Permit or Monitoring Number:
Grid Location: 688758.23 ft. N. S. / 2266188.98 ft. E. W.
Well Name: P107
Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well 11 / Piezometer 12
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E W
Date Well Installed: 11/16/93
Distance Well Is From Waste/Source Boundary: ft.
Location of Well Relative to Waste/Source: Upgradient / Sidegradient / Downgradient / Not Known
Well Installed By: (Person's Name and Firm) Eric Schoenburg-WTD
Is Well A Point of Enforcement Std. Application? Yes / No

A. Protective pipe, top elevation 872.32 ft. MSL
B. Well casing, top elevation 871.33 ft. MSL
C. Land surface elevation 869.15 ft. MSL
D. Surface seal, bottom 865.2 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis attached? Yes / No

14. Drilling method used: Rotary 50 / Hollow Stem Auger 41 / Other

15. Drilling fluid used: Water 02 / Air 01 / Drilling Mud 03 / None 99

16. Drilling additives used? Yes / No
Describe N/A

17. Source of water (attach analysis): N/A

E. Bentonite seal, top 798.2 ft. MSL or 71.0 ft.
F. Fine sand, top 793.2 ft. MSL or 76.0 ft.
G. Filter pack, top 791.2 ft. MSL or 78.0 ft.
H. Well screen, top 789.2 ft. MSL or 80.0 ft.
Well screen, bottom 784.2 ft. MSL or 85.0 ft.
J. Filter pack, bottom 782.2 ft. MSL or 87.0 ft.
K. Borehole, bottom 782.2 ft. MSL or 87.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 1.91 in.

1. Cap and lock? Yes / No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel 04 / Other
d. Additional protection? Yes / No
If yes, describe: Bumper posts
3. Surface seal: Bentonite 30 / Concrete 01 / Other
4. Material between well casing and protective pipe: Bentonite 30 / Annular space seal / Other
5. Annular space seal: Granular Bentonite 33 / Lbs/gal mud weight . . . Bentonite-sand slurry 35 / Lbs/gal mud weight . . . . . Bentonite slurry 31 / % Bentonite . . . . Bentonite-cement grout 50
200 gal volume added for any of the above
How installed: Tremie 01 / Tremie pumped 02 / Gravity 08
6. Bentonite seal: Bentonite granules 33 / 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32 / Bentonite chips / Other
7. Fine sand material: Manufacturer, product name and mesh size Badger Fine Sand
Volume added 1 bags
8. Filter pack material: Manufacturer, product name and mesh size Red Flint #30
Volume added 6 bags
9. Well casing: Flush threaded PVC schedule 40 23 / Flush threaded PVC schedule 80 24 / Other
10. Screen material: Slotted casing / Screen type: Factory cut 11 / Continuous slot 01 / Other
Manufacturer Johnson
Slot size: 0.010 in.
Slotted length: 5 ft.
11. Backfill material (below filter pack): None / Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/NR Landfill
Facility License, Permit or Monitoring Number: [redacted]
Type of Well: Water Table Observation Well ☐ 11 Piezometer ☒ 12
Distance Well Is From Waste/Source Boundary: ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No

Grid Location: 1087160.49 ft. ☒ N. ☐ S.; 2266670.98 ☒ E. ☐ W.
Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W
Location of Well Relative to Waste/Source: ☐ Upgradient ☒ Sidegradient ☒ Downgradient ☐ Not Known

Well Name: P-107I
Wis. Unique Well Number: [redacted] DNR Well Number:
Date Well Installed: 10/22/93 (m m d d y y)
Well Installed By: (Person's Name and Firm)
Chuck Blunt
Wisconsin Test Drilling

A. Protective pipe, top elevation 872.04 ft. MSL
B. Well casing, top elevation 871.90 ft. MSL
C. Land surface elevation 869.19 ft. MSL
D. Surface seal, bottom 844.2 ft. MSL or 25.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☒ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; Other ☐
below bedrock

15. Drilling fluid used: Water ☐ 02; Air ☒ 01; Drilling Mud ☒ 03 to bedrock; None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe

17. Source of water (attach analysis):
City of Ripon - WPEC well

E. Bentonite seal, top 568.2 ft. MSL or 301.0 ft.
F. Fine sand, top 558.2 ft. MSL or 311.0 ft.
G. Filter pack, top 556.3 ft. MSL or 312.9 ft.
H. Well screen, top 554.2 ft. MSL or 315.0 ft.
I. Well screen, bottom 544.2 ft. MSL or 325.0 ft.
J. Filter pack, bottom 539.2 ft. MSL or 330.0 ft.
K. Borchole, bottom 528.7 ft. MSL or 340.5 ft.
L. Borchole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. well casing 1.91 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 2 steel bumper posts
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐
5. Annular space seal: Granular Bentonite ☐ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☒ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
500 Gallons Ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☒ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Bentonite chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size
Badger Fine Sand
Volume added 3/4 bags ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 5 1/2 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; Other ☐
10. Screen material: Same as casing
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 9.2 ft.
11. Backfill material (below filter pack): None ☐
Bentonite chips. Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [signature] Firm: Simon Hydro-Search

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Ripon FF/NN Landfill	Grid Location: 682142.49 ft. ☒ N. ☐ S. / 2265486.53 ft. ☒ E. ☐ W.	Well Name: MW-108
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Number:
Type of Well: Water Table Observation Well ☒ 11 / Piezometer ☐ 12	Section Location: SW 1/4 of SE 1/4 of Section 7, T 16 N, R 17 ☒ E ☐ W	Date Well Installed: 09/07/93 (mm dd yy)
Distance Well Is From Waste/Source Boundary: ft.		Well Installed By: (Person's Name and Firm) Eric Schomburg - WTD
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☒ Downgradient ☐ Not Known	

A. Protective pipe, top elevation 845.46 ft. MSL
B. Well casing, top elevation 845.08 ft. MSL
C. Land surface elevation 842.83 ft. MSL
D. Surface seal, bottom 836. ft. MSL or 6.0 ft.

12. USCS classification of soil near screen:
☒ GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

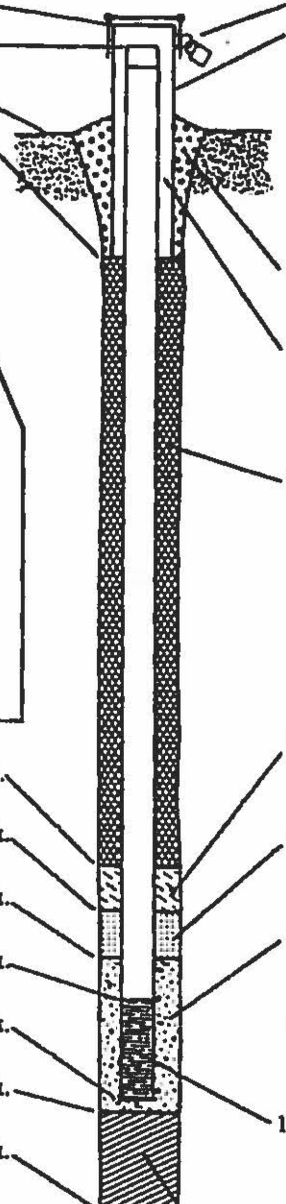
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top 842.8 ft. MSL or 0.0 ft.
F. Fine sand, top 828.8 ft. MSL or 14.0 ft.
G. Filter pack, top 826.8 ft. MSL or 16.0 ft.
H. Well screen, top 824.8 ft. MSL or 18.0 ft.
I. Well screen, bottom 814.8 ft. MSL or 28.0 ft.
J. Filter pack, bottom 814.8 ft. MSL or 28.0 ft.
K. Borehole, bottom 814.8 ft. MSL or 28.0 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 2" steel bumper posts
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annular space seal ☐
Other ☐
5. Annular space seal: None Granular Bentonite ☐ 33
____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
holeplug bentonite chips Other ☒
7. Fine sand material: Manufacturer, product name and mesh size
Badger fine sand
Volume added 1 bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 4.5 bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
10. Screen material: Same as casing
Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 8.6 ft.
11. Backfill material (below filter pack): None ☒
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	Simon Hydro-Search

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MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

cility/Project Name: Iron Ff/NW Landfill
cility License, Permit or Monitoring Number:
Grid Location: 682143.34 ft. N. S. / 2265493.23 ft. E. W.
Well Name: P-105
Wis. Unique Well Number: DNR Well Number:
po of Well: Water Table Observation Well 11 / Piezometer 12
Section Location: SW 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E W
Date Well Installed: 09/08/93 (m m d d y y)
stance Well Is From Waste/Source Boundary: ft.
Location of Well Relative to Waste/Source: Upgradient / Sidegradient / Downgradient / Not Known
Well Installed By: (Person's Name and Firm): Eric Schoenburg - WTD
Well A Point of Enforcement Std. Application? Yes / No

Protective pipe, top elevation 845.42 ft. MSL
Well casing, top elevation 845.48 ft. MSL
Land surface elevation 843.0 ft. MSL
Surface seal, bottom 837.0 ft. MSL or 6.0 ft.

2. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

3. Sieve analysis attached? Yes / No

4. Drilling method used: Rotary 50 / Hollow Stem Auger 41 / Other

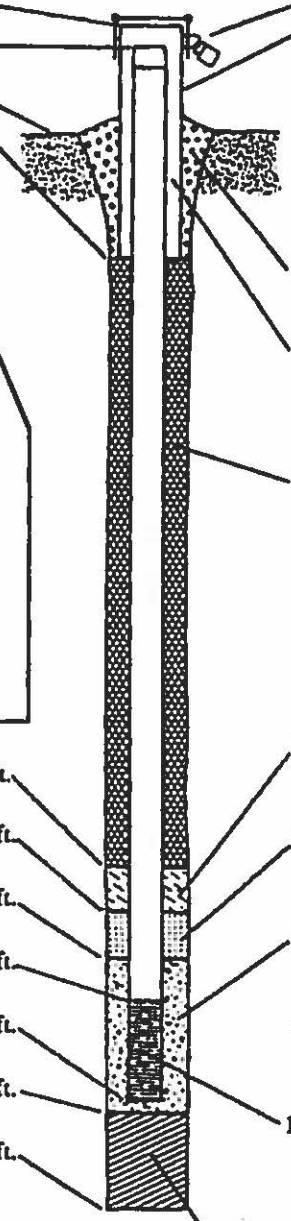
5. Drilling fluid used: Water 02 / Air 01 / Drilling Mud 03 / None 99

6. Drilling additives used? Yes / No
Describe

7. Source of water (attach analysis):
N/A

Bentonite seal, top 797.0 ft. MSL or 46.0 ft.
Fine sand, top 792.0 ft. MSL or 51.0 ft.
Filter pack, top 790.0 ft. MSL or 53.0 ft.
Well screen, top 788.0 ft. MSL or 55.0 ft.
Well screen, bottom 783.0 ft. MSL or 60.0 ft.
Filter pack, bottom 783.0 ft. MSL or 60.0 ft.
Borehole, bottom 783.0 ft. MSL or 60.0 ft.
Borehole, diameter 8.0 in.
O.D. well casing 2.38 in.
Well casing 1.91 in.

1. Cap and lock? Yes / No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 2.0 ft.
c. Material: Steel 04 / Other
d. Additional protection? Yes / No
If yes, describe: 2" steel bumper posts
3. Surface seal: Bentonite 30 / Concrete 01 / Other
4. Material between well casing and protective pipe: Bentonite 30 / Annular space seal / Other
5. Annular space seal: Granular Bentonite 33 / Lbs/gal mud weight ... Bentonite-sand slurry 35 / Lbs/gal mud weight ..... Bentonite slurry 31 / % Bentonite .... Bentonite-cement grout 50
100 gal volume added for any of the above
How installed: Tremie 01 / Tremie pumped 02 / Gravity 08
6. Bentonite seal: Bentonite granules 33 / 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32 / Other Holeplug bentonite chips
7. Fine sand material: Manufacturer, product name and mesh size: Badger fine sand
Volume added 1 bag
8. Filter pack material: Manufacturer, product name and mesh size: Red flint #30
Volume added 4.5 bags ft³
9. Well casing: Flush threaded PVC schedule 40 23 / Flush threaded PVC schedule 80 24 / Other
10. Screen material: Same as casing
Screen type: Factory cut 11 / Continuous slot 01 / Other
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 4.7 ft.
11. Backfill material (below filter pack): None / Other



hereby certify that the information on this form is true and correct to the best of my knowledge.
ature
Firm: Simon Hydro-Search

se complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation

tate of Wisconsin
)epartment of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

acility/Project Name: Ripon FF/NN Landfill
acility License, Permit or Monitoring Number:

Grid Location: 681224.61 ft. [X] N. [ ] S. — 2265999.60 ft. [X] E. [ ] W.

Well Name: MW-111
Wis. Unique Well Number: DNR Well Number:

of Well: Water Table Observation Well [X] 11 — Piezometer [ ] 12

Section Location: SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 [X] E [ ] W

Date Well Installed: 04/04/94 (m m d d y y)

istance Well Is From Waste/Source Boundary: ~800 ft.

Location of Well Relative to Waste/Source: [ ] Upgradient [ ] Sidegradient [ ] Downgradient [ ] Not Known

Well Installed By: (Person's Name and Firm)
John Wallis - WTD
Jennifer J. Rust-Simon Hydro-Sea

Well A Point of Enforcement Std. Application? [X] Yes [ ] No

. Protective pipe, top elevation 856.15 ft. MSL
. Well casing, top elevation 856.09 ft. MSL
. Land surface elevation 853.86 ft. MSL
. Surface seal, bottom 853.9 ft. MSL or 1.0 ft.

2. USCS classification of soil near screen:
[ ] GP [ ] GM [ ] GC [ ] GW [X] SW [ ] SP
[ ] SM [ ] SC [ ] ML [ ] MH [ ] CL [ ] CH
[ ] Bedrock

3. Sieve analysis attached? [ ] Yes [X] No

4. Drilling method used: Rotary [ ] 50 — Hollow Stem Auger [X] 41 — Other [ ]

5. Drilling fluid used: Water [ ] 02 — Air [ ] 01 — Drilling Mud [ ] 03 — None [X] 99

Drilling additives used? [ ] Yes [X] No

Describe N/A

7. Source of water (attach analysis):
N/A

Bentonite seal, top 1.0 ft. MSL or 852.9 ft.
Fine sand, top 28.2 ft. MSL or 825.7 ft.
Filter pack, top 29.8 ft. MSL or 824.1 ft.
Well screen, top 31.6 ft. MSL or 822.3 ft.
Well screen, bottom 41.9 ft. MSL or 812.0 ft.
Filter pack, bottom 41.9 ft. MSL or 812.0 ft.
Borehole, bottom 41.9 ft. MSL or 812.0 ft.
Borehole, diameter 8.3 in.
O.D. well casing 2.38 in.
well casing 2.05 in. 2"

1. Cap and lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel [X] 04 — Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: 3" steel Bumper Posts
3. Surface seal: Bentonite [X] 30 — Concrete [ ] 01 — Bentonite topped w/1' native material Other [ ]
4. Material between well casing and protective pipe: Bentonite [ ] 30 — Annular space seal [ ] — #30 sand Other [X]
5. Annular space seal: chipped Granular Bentonite [X] 33 — Lbs/gal mud weight . . . Bentonite-sand slurry [ ] 35 — Lbs/gal mud weight . . . . . Bentonite slurry [ ] 31 — % Bentonite . . . . Bentonite-cement grout [ ] 50
14 bags volume added for any of the above
How installed: Tremie [ ] 01 — Tremie pumped [ ] 02 — Gravity [X] 08
6. Bentonite seal: Bentonite granules [ ] 33 — [ ]1/4 in. [ ]3/8 in. [ ]1/2 in. Bentonite pellets [ ] 32 — coarse bentonite chips Other [X]
7. Fine sand material: Manufacturer, product name and mesh size
Best sand #8
Volume added 1 bag
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #30
Volume added 6 bags
9. Well casing: Flush threaded PVC schedule 40 [X] 23 — Flush threaded PVC schedule 80 [ ] 24 — Other [ ]
10. Screen material: Same as casing
Screen type: Factory cut [X] 11 — Continuous slot [ ] 01 — Other [ ]
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 9.6 ft.
11. Backfill material (below filter pack): None [X] — Other [ ]

hereby certify that the information on this form is true and correct to the best of my knowledge.

gnature: Jennifer J. Rust
Firm: Simon Hydro-Search

ase complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

tate of Wisconsin
epartment of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

acility/Project Name: Ripon Hahn Landfill
acility License, Permit or Monitoring Number:
Grid Location: 681232.95 ft. N. S. / 2265998.87 ft. E. W.
Well Name: P-111
Wis. Unique Well Number / DNR Well Number:
ype of Well: Water Table Observation Well 11; Piezometer 12
Section Location: SE 1/4 of SE 1/4 of Section 7
Date Well Installed: 04/10/91
istance Well Is From Waste/Source Boundary: N 800 ft.
T 16 N, R 17 E W
Well Installed By: (Person's Name and Firm): John Weeks - WTD; Jennifer J. Rook-Simon Hydro-Search
Well A Point of Enforcement Std. Application? Yes / No
Location of Well Relative to Waste/Source: Upgradient / Sidegradient / Downgradient / Not Known

. Protective pipe, top elevation 856.36 ft. MSL
. Well casing, top elevation 856.28 ft. MSL
. Land surface elevation 853.6 ft. MSL
. Surface seal, bottom 813.6 ft. MSL or 40.0 ft.

2. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

3. Sieve analysis attached? Yes / No

4. Drilling method used: Rotary 50; Hollow Stem Auger 41; Other

5. Drilling fluid used: Water 02; Air 01; Drilling Mud 03; None 99

ling additives used? Yes / No

Describe

7. Source of water (attach analysis): N/A

Bentonite seal, top 787.1 ft. MSL or 66.5 ft.
Fine sand, top 785.1 ft. MSL or 68.5 ft.
Filter pack, top 781.2 ft. MSL or 72.4 ft.
Well screen, top 778.6 ft. MSL or 75.0 ft.
Vell screen, bottom 773.5 ft. MSL or 80.1 ft.
Filter pack, bottom 773.5 ft. MSL or 80.1 ft.
Borehole, bottom 773.5 ft. MSL or 80.1 ft.
Borehole, diameter 8.3 in.
O.D. well casing 2.38 in.
well casing 2.05 in.

1. Cap and lock? Yes / No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel 04; Other
d. Additional protection? Yes / No
If yes, describe: Bumper post (2.2")
3. Surface seal: Bentonite 30; Concrete 01; Other
4. Material between well casing and protective pipe: Bentonite 30; Annular space seal; Other: Sand
5. Annular space seal: Granular Bentonite 33; Lbs/gal mud weight ... Bentonite-sand slurry 35; Lbs/gal mud weight ..... Bentonite slurry 31; % Bentonite .... Bentonite-cement grout 50
60 sacks volume added for any of the above
How installed: Tremie 01; Tremie pumped 02; Gravity 08
6. Bentonite seal: Bentonite granules 33; 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32; Other: chipped bentonite
7. Fine sand material: Manufacturer, product name and mesh size: Badger #8 Fine Sand
Volume added 1 bags ft³
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #30
Volume added 4 bags ft³
9. Well casing: Flush threaded PVC schedule 40 23; Flush threaded PVC schedule 80 24; Other
10. Screen material: Same as casing
Screen type: Factory cut 11; Continuous slot 01; Other
Manufacturer: Timco
Slot size: 0.01 in.
Slotted length: 4.5 ft.
11. Backfill material (below filter pack): None; Other

ereby certify that the information on this form is true and correct to the best of my knowledge.

nature | Firm: Simon Hydro-Search

se complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: P-111D
Facility License, Permit or Monitoring No.: 00467	Local Grid Origin ☐ (estimated: ☒) or Well Location ☒ Lat. 43 ° 51 ' 48.74 " Long. -88 ° 52 ' 19.14 " or	Wis. Unique Well No.: PG201 / DNR Well ID No.: NA
Facility ID: 420013660	St. Plane 681227.57 ft. N, 2265989.70 ft. E. S/C/N	Date Well Installed: 04 / 02 / 2002 (m m d d y y y y)
Type of Well: Well Code 12 / pz	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Craig Plant / Environmental Drilling Services, Inc.
Distance from Waste/Source: 1000 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 855.46 ft. MSL
B. Well casing, top elevation 855.56 ft. MSL
C. Land surface elevation 852.6 ft. MSL
D. Surface seal, bottom 852.1 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☒ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

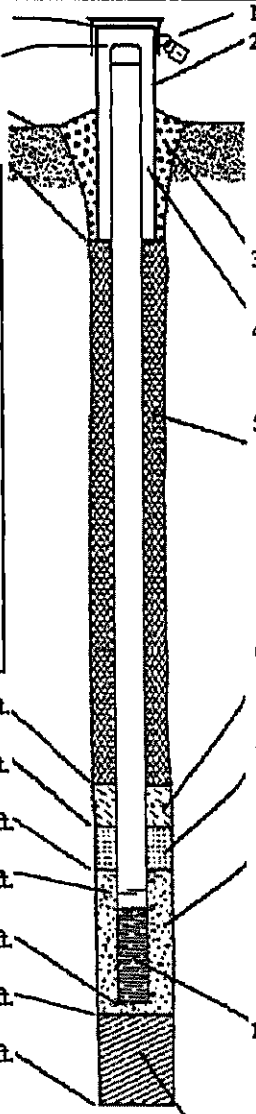
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Casing Hammer / Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☒ 01 Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
Water not used

E. Bentonite seal, top 717.6 ft. MSL or 135 ft.
F. Fine sand, top 713.1 ft. MSL or 139.5 ft.
G. Filter pack, top 711.6 ft. MSL or 141 ft.
H. Screen joint, top 709.1 ft. MSL or 143.5 ft.
I. Well bottom 704.1 ft. MSL or 148.5 ft.
J. Filter pack, bottom 693.6 ft. MSL or 159 ft.
K. Borehole, bottom 652.6 ft. MSL or 200 ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: bumper posts
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. 11.5 Lbs/gal mud weight . . . Bentonite-sand slurry ☒ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 19 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☒ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining Co, fine sand (40-60)
b. Volume added 0.25 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Co, filter pack sand (20-4
b. Volume added 3 ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / TimCo / Other ☐
b. Manufacturer Badger Mining Corporation
c. Slot size: 0.01 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☐ 14 / Bentonite (3/8") / Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Steve W Yonts | Firm: GeoTrans, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: P-115
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 41.9" Long. -88° 52' 20.9" or St. Plane 680,537 ft. N, 2,265,868 ft. E. S / C / N	Wis. Unique Well No.: PG221 DNR Well Number: 142
Facility ID: 431048200		Date Well Installed: 04/16/2004
Type of Well: Well Code 72/dp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Todd Schamfelt; Boart Longyear
Distance from Waste/Source: 1600 ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 842.88 ft. MSL
B. Well casing, top elevation 842.67 ft. MSL
C. Land surface elevation 842.9 ft. MSL
D. Surface seal, bottom 830.9 ft. MSL or 12.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

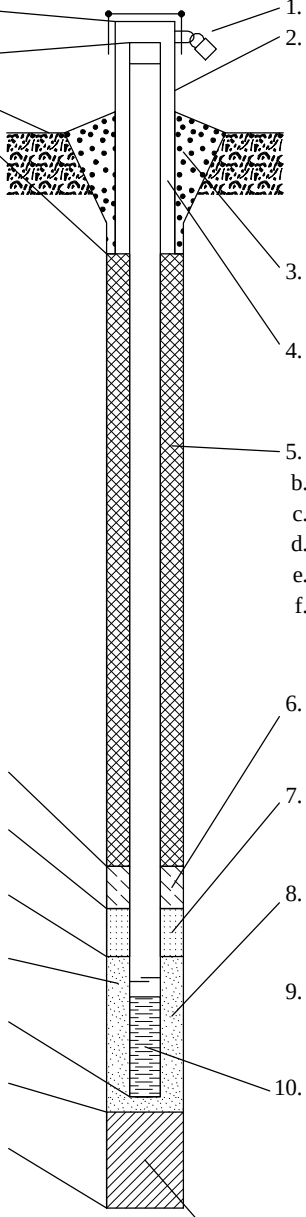
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☐ 4 1
Converted private well — Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 681.9 ft. MSL or 161.0 ft.
F. Fine sand, top 671.9 ft. MSL or 171.0 ft.
G. Filter pack, top 669.9 ft. MSL or 173.0 ft.
H. Screen joint, top 667.9 ft. MSL or 175.0 ft.
I. Well bottom 662.9 ft. MSL or 180.0 ft.
J. Filter pack, bottom 662.9 ft. MSL or 180.0 ft.
K. Borehole, bottom 662.9 ft. MSL or 180.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 1.94 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 Concrete ☐ 0 1 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. 3.4 Lbs/gal mud weight . . . Bentonite slurry ☒ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 149 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ☒ 0 2 Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining Company #7
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 1 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3 Flush threaded PVC schedule 80 ☒ 2 4 Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 Continuous slot ☐ 0 1 Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: P-116
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 42.0" Long. -88° 52' 29.7" or St. Plane 680,532 ft. N, 2,265,229 ft. E. S / C / N	Wis. Unique Well No.: PG222 DNR Well Number: 143
Facility ID: 431048200		Date Well Installed: 04/15/2004
Type of Well: Well Code 72/dp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Todd Schamfelt; Boart Longyear
Distance from Waste/Source: 1800 ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 846.30 ft. MSL
B. Well casing, top elevation 845.86 ft. MSL
C. Land surface elevation 846.3 ft. MSL
D. Surface seal, bottom 836.3 ft. MSL or 10.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☐ 4 1; Converted private well; Other ☒

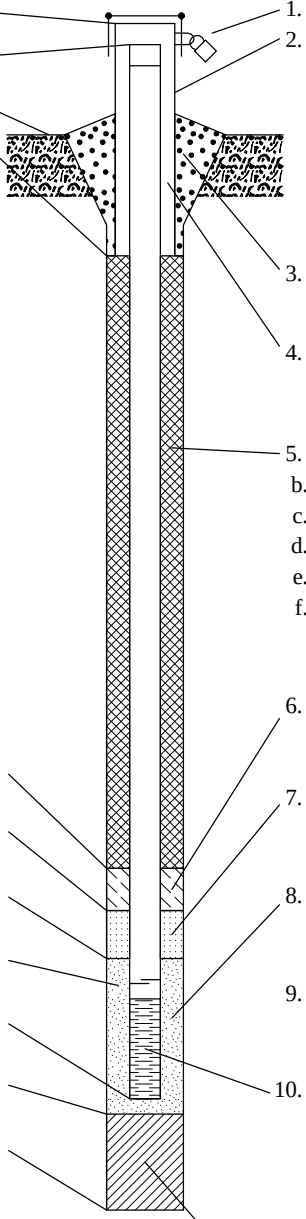
15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 700.8 ft. MSL or 145.5 ft.
F. Fine sand, top 691.3 ft. MSL or 155.0 ft.
G. Filter pack, top 689.3 ft. MSL or 157.0 ft.
H. Screen joint, top 687.3 ft. MSL or 159.0 ft.
I. Well bottom 680.3 ft. MSL or 166.0 ft.
J. Filter pack, bottom 681.3 ft. MSL or 165.0 ft.
K. Borehole, bottom 681.3 ft. MSL or 165.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 1.94 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0; Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. 3.4 Lbs/gal mud weight . . . Bentonite slurry ☒ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 135.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ☒ 0 2; Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a.
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 1 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3; Flush threaded PVC schedule 80 ☒ 2 4; Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4; Cave-in formation; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner Firm: tetra tech Tel: Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: P-117
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 45.9" Long. -88° 52' 36.7" or St. Plane 680,918 ft. N, 2,264,705 ft. E. S / C / N	Wis. Unique Well No.: PG226 DNR Well Number: 144
Facility ID: 431048200		Date Well Installed: 11/17/2016
Type of Well: Well Code 72/dp	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 18, T. 16 N, R. 14 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Mark Biermaier; Cascade Drilling
Distance from Waste/Source: 1800 ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 834.06 ft. MSL
B. Well casing, top elevation 833.96 ft. MSL
C. Land surface elevation 831.4 ft. MSL
D. Surface seal, bottom 828.4 ft. MSL or 3.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☐ 4 1; Sonic; Other ☒

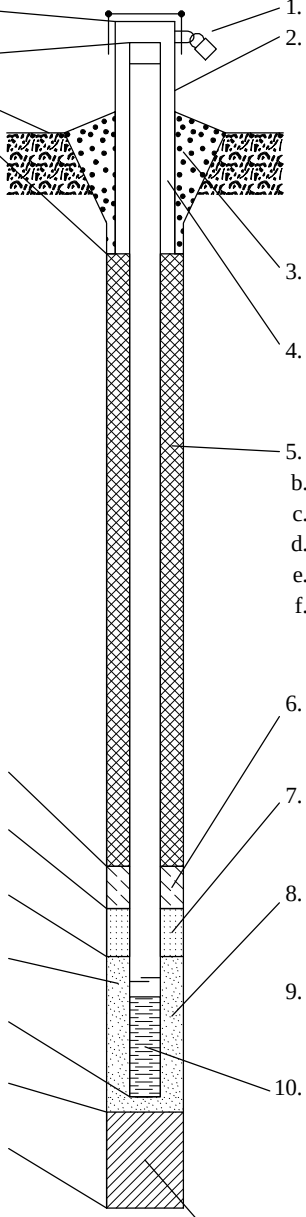
15. Drilling fluid used: Water ☒ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): City of Ripon

E. Bentonite seal, top 685.4 ft. MSL or 146.0 ft.
F. Fine sand, top 678.4 ft. MSL or 153.0 ft.
G. Filter pack, top 675.9 ft. MSL or 155.5 ft.
H. Screen joint, top 673.4 ft. MSL or 158.0 ft.
I. Well bottom 668.4 ft. MSL or 163.0 ft.
J. Filter pack, bottom 666.9 ft. MSL or 164.5 ft.
K. Borehole, bottom 665.4 ft. MSL or 166.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0; Bentonite and Sand; Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. 3.4 Lbs/gal mud weight . . . Bentonite slurry ☒ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ☒ 0 2; Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Premier Silica
b. Volume added 0.375 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 1 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3; Flush threaded PVC schedule 80 ☒ 2 4; Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4; Slough; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner Firm: tetra tech Tel: Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: P-118
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 46.0" Long. -88° 52' 49.1" or	Wis. Unique Well No.: PG227 / DNR Well Number: 145
Facility ID: 431048200	St. Plane 680,923 ft. N, 2,263,798 ft. E. S / C / N	Date Well Installed: 08/11/2017
Type of Well: Well Code 72/dp	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 18, T. 16 N, R. 14 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Roy Buckenberger / Cascade Drilling
Distance from Waste/Source: 2700 ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation: 826.77 ft. MSL
B. Well casing, top elevation: 826.74 ft. MSL
C. Land surface elevation: 824.3 ft. MSL
D. Surface seal, bottom: 823.8 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☐ 4 1 / Sonic / Other ☒

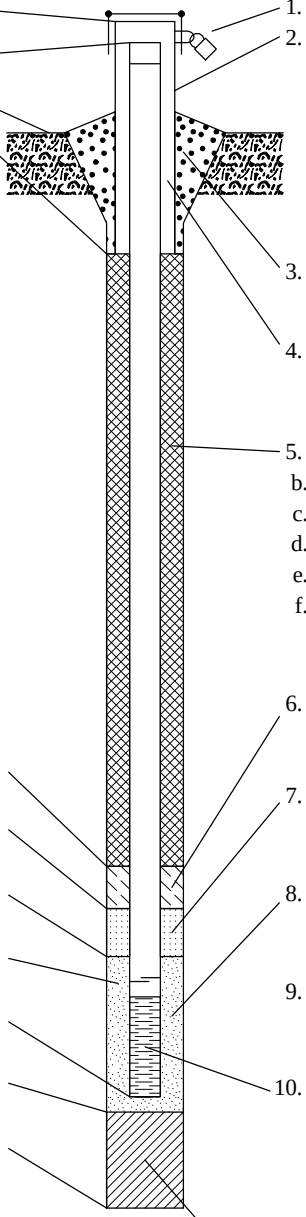
15. Drilling fluid used: Water ☒ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): City of Ripon

E. Bentonite seal, top: 673.3 ft. MSL or 151.0 ft.
F. Fine sand, top: 667.3 ft. MSL or 157.0 ft.
G. Filter pack, top: 665.8 ft. MSL or 158.5 ft.
H. Screen joint, top: 664.3 ft. MSL or 160.0 ft.
I. Well bottom: 659.3 ft. MSL or 165.0 ft.
J. Filter pack, bottom: 657.3 ft. MSL or 167.0 ft.
K. Borehole, bottom: 654.3 ft. MSL or 170.0 ft.
L. Borehole, diameter: 6.0 in.
M. O.D. well casing: 2.37 in.
N. I.D. well casing: 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / Bentonite and Sand / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. 3.4 Lbs/gal mud weight . . . Bentonite slurry ☒ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☒ 0 2 / Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Premier Silica
b. Volume added 0.375 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 1 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3 / Flush threaded PVC schedule 80 ☒ 2 4 / Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / Slough / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-1
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 52' 2.8" Long. -88° 52' 11.5" or	Wis. Unique Well No.:	DNR Well Number: 400
Facility ID: 431048200	St. Plane 682,658 ft. N, 2,266,529 ft. E. S / C / N	Date Well Installed: 03/29/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Shawn Abel, Boart Longyear
Distance from Waste/Source: 65 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 846.5 ft. MSL

D. Surface seal, bottom 842.0 ft. MSL or 4.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 846.5 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 842.0 ft. MSL or 4.5 ft.

H. Screen joint, top 841.5 ft. MSL or 5.0 ft.

I. Well bottom 835.5 ft. MSL or 11.0 ft.

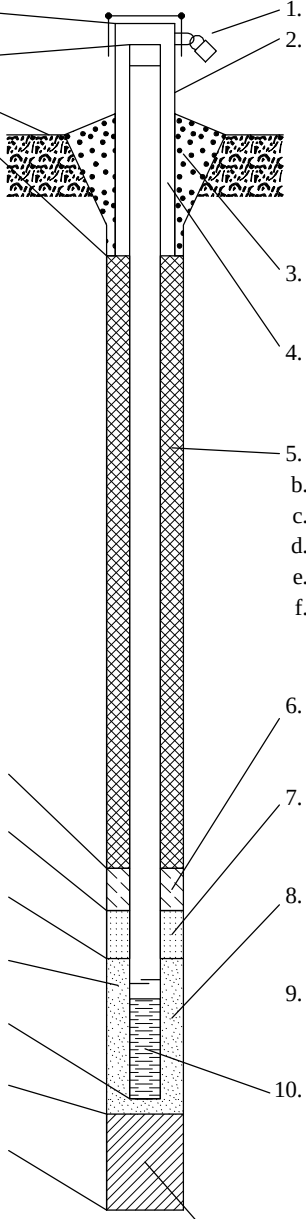
J. Filter pack, bottom 835.5 ft. MSL or 11.0 ft.

K. Borehole, bottom 835.5 ft. MSL or 11.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.54 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Badger
b. Volume added 2.26 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 6.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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s of Wisconsin
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Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

~~MONITORING WELL~~ CONSTRUCTION
Form 4400-113A Rev. 7-98

ility/Project Name: F/NN Landfill	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: GP-2
ility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43 ° 52 ' 02.78 " Long. -88 ° 52 ' 20.69 " or	Wis. Unique Well No.: _____ DNR Well ID No.: 401
ility ID: 431048200	St. Plane 682646.73 ft. N, 2265857.40 ft. E. S/C/N	Date Well Installed: 05/20/2004 (m m d d y y y y)
e of Well: Well Code 51/GP	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7 T. 16 N, R. 17 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Randy Radke; Bart Longyear
stance from Waste/ rce 100 ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number: _____

Protective pipe, top elevation _____ ft. MSL
Well casing, top elevation _____ ft. MSL
Land surface elevation 871.53 ft. MSL
Surface seal, bottom _____ ft. MSL or 1.5 ft.

2. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

3. Sieve analysis performed? ☐ Yes ☒ No

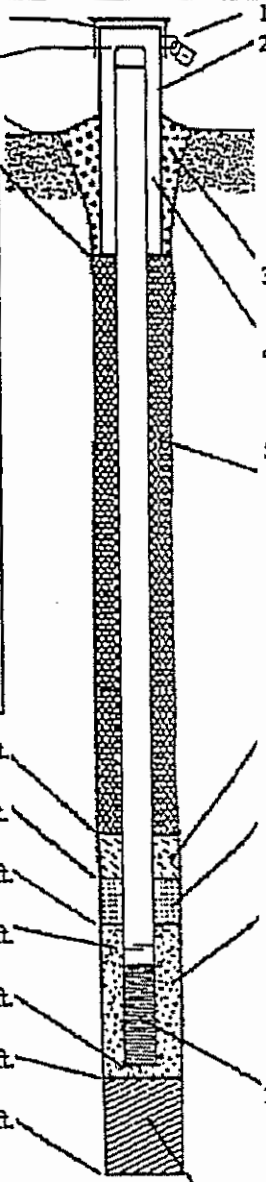
4. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐
_____

5. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

6. Drilling additives used? ☐ Yes ☒ No
Describe _____

7. Source of water (attach analysis, if required):
_____

J. Bentonite seal, top _____ ft. MSL or 1.0 ft.
K. Fine sand, top _____ ft. MSL or 4.0 ft.
L. Filter pack, top _____ ft. MSL or 5.0 ft.
M. Screen joint, top _____ ft. MSL or 6.0 ft.
N. Well bottom _____ ft. MSL or 36.0 ft.
O. Filter pack, bottom _____ ft. MSL or 37.0 ft.
P. Borehole, bottom _____ ft. MSL or 37.0 ft.
Q. Borehole, diameter 8.0 in.
R. O.D. well casing 2.38 in.
S. I.D. well casing 2.05 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: flush mount — Steel ☐ 04 Other ☒
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐
_____
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒
Sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ~~BMC Industrial Silica Sand~~ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. BMC Industrial Silica Sand
b. Volume added .25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Filter Sand
b. Volume added 7.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
_____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
_____
b. Manufacturer _____
c. Slot size: 0.___ in.
d. Slotted length: 30.0 ft.
11. Backfill material (below filter pack): None ☐ 14
Red Flint Filter Sand — Other ☒

MASTER FILE COPY
PROJECT # 1011.002.07
CC: _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Rachel H. Sund	GeoTrans Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-3
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 57.1" Long. -88° 52' 19.1" or	Wis. Unique Well No.:	DNR Well Number: 402
Facility ID: 431048200	St. Plane 682,072 ft. N, 2,265,981 ft. E. S / C / N	Date Well Installed: 03/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Shawn Abel; Boart Longyear
Distance from Waste/Source: 60 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 872.2 ft. MSL

D. Surface seal, bottom 867.7 ft. MSL or 4.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☒ 4 1; ____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 872.2 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 867.7 ft. MSL or 4.5 ft.

H. Screen joint, top 867.2 ft. MSL or 5.0 ft.

I. Well bottom 837.2 ft. MSL or 35.0 ft.

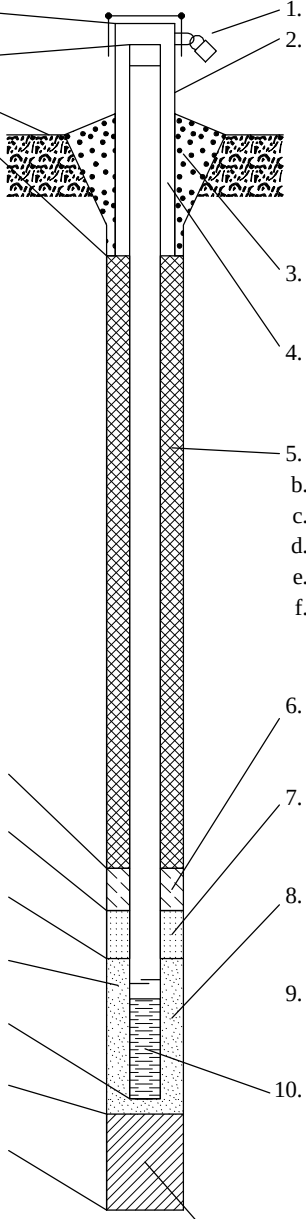
J. Filter pack, bottom 837.2 ft. MSL or 35.0 ft.

K. Borehole, bottom 837.2 ft. MSL or 35.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4; ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; ____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 3 0; ____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.54 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ☐ 0 2; Gravity ☒ 0 8

6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Badger
b. Volume added 10.49 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; ____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; ____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 30.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4; ____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

gas probe

ns of Wisconsin
partment of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

~~MONITORING WELL~~ CONSTRUCTION
Form 4400-113A Rev. 7-98

cility/Project Name: FF/NN Landfill	Local Grid Location of Well: WTM 1238836.17 ft. ☒N ☐S. 2003825.46 ft. ☒E ☐W	Well Name: GP-4
cility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43 ° 51 ' 57.21 " Long. -88 ° 52 ' 13.50 " or	Wis. Unique Well No.: _____ DNR Well ID No.: 403
cility ID: 431048200	St. Plane 682090.45 ft. N, 2266391.08 ft. E. S/C/N	Date Well Installed: 05/20/2004 (m m d d y y y y)
pe of Well: Well Code 51 / GP	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7 T. 16 N. R. 17 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Randy Radke; Bart Longyear
istance from Waste/ urce 100 ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number: _____

Protective pipe, top elevation _____ ft. MSL
Well casing, top elevation _____ ft. MSL
Land surface elevation 869.23 ft. MSL
. Surface seal, bottom _____ ft. MSL or 2.0 ft.

2. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

3. Sieve analysis performed? ☐ Yes ☒ No

4. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

5. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

6. Drilling additives used? ☐ Yes ☐ No
Describe _____

7. Source of water (attach analysis, if required):
_____

. Bentonite seal, top _____ ft. MSL or 0.0 ft.
. Fine sand, top 867.2 ft. MSL or 2.0 ft.
. Filter pack, top 866.2 ft. MSL or 3.0 ft.
. Screen joint, top 865.2 ft. MSL or 4.0 ft.
. Well bottom 835.2 ft. MSL or 34.0 ft.
. Filter pack, bottom 835.2 ft MSL or 34.0 ft.
. Borehole, bottom 835.2 ft MSL or 34.0 ft.
. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in. OD
N. I.D. well casing 2.05 in. ID

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 3.0 ft.
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Other ☐
4. Material between well casing and protective pipe:
Sand
Bentonite ☐ 30
Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. BMC Industrial Silica Sand
b. Volume added .25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Silica Sand
b. Volume added 8 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer _____
c. Slot size: 0.___ in.
d. Slotted length: 30.0 ft.
11. Backfill material (below filter pack): None ☒ 14
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Richard H Small	GeoTrans Inc

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-5
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 52' 1.8" Long. -88° 52' 10.4" or	Wis. Unique Well No.:	DNR Well Number: 404
Facility ID: 431048200	St. Plane 682,559 ft. N, 2,266,613 ft. E. S / C / N	Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Craig Plant / Environmental Drilling Svcs
Distance from Waste/Source: 140 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 840.7 ft. MSL

D. Surface seal, bottom 836.7 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 840.7 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 836.7 ft. MSL or 4.0 ft.

H. Screen joint, top 835.7 ft. MSL or 5.0 ft.

I. Well bottom 832.7 ft. MSL or 8.0 ft.

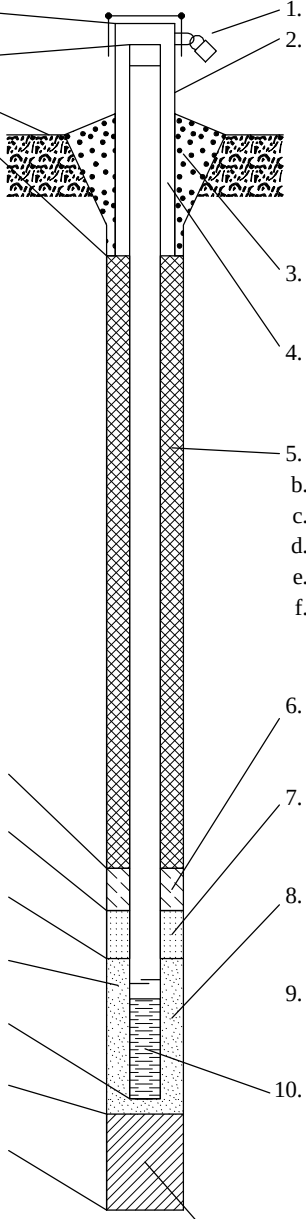
J. Filter pack, bottom 832.7 ft. MSL or 8.0 ft.

K. Borehole, bottom 832.7 ft. MSL or 8.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 1 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-6
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 56.1" Long. -88° 52' 16.1" or	Wis. Unique Well No.:	DNR Well Number: 405
Facility ID: 431048200	St. Plane 681,972 ft. N, 2,266,206 ft. E. S / C / N	Date Well Installed: 10/01/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 18, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Craig Plant
Distance from Waste/Source: 135 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:	Environmental Drilling Svcs

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 868.6 ft. MSL

D. Surface seal, bottom 864.6 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 868.6 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 864.6 ft. MSL or 4.0 ft.

H. Screen joint, top 863.6 ft. MSL or 5.0 ft.

I. Well bottom 833.6 ft. MSL or 35.0 ft.

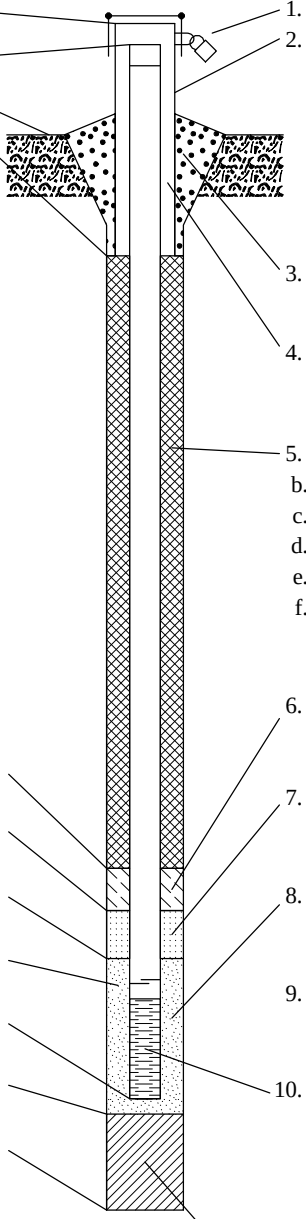
J. Filter pack, bottom 833.6 ft. MSL or 35.0 ft.

K. Borehole, bottom 833.6 ft. MSL or 35.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 7.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 30.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

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State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-7
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 56.1" Long. -88° 52' 19.0" or	Wis. Unique Well No.:	DNR Well Number: 406
Facility ID: 431048200	St. Plane 681,973 ft. N, 2,265,987 ft. E. S / C / N	Date Well Installed: 10/01/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 18, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant; Environmental Drilling Svcs
Distance from Waste/Source: 135 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 870.7 ft. MSL

D. Surface seal, bottom 866.7 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 870.7 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 866.7 ft. MSL or 4.0 ft.

H. Screen joint, top 865.7 ft. MSL or 5.0 ft.

I. Well bottom 835.7 ft. MSL or 35.0 ft.

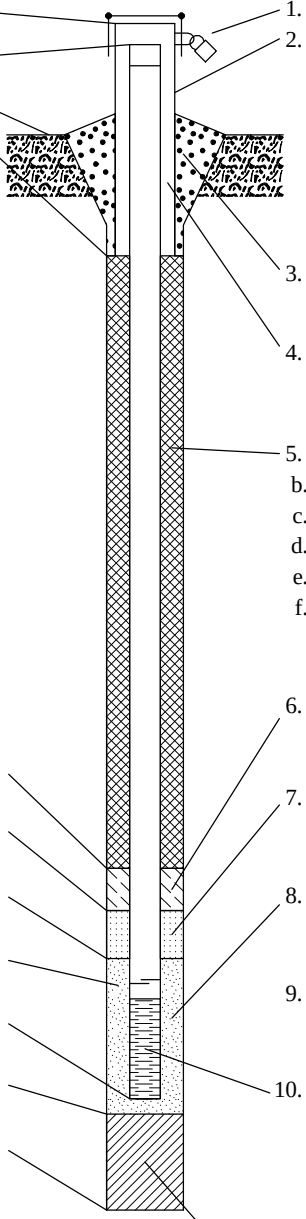
J. Filter pack, bottom 835.7 ft. MSL or 35.0 ft.

K. Borehole, bottom 835.7 ft. MSL or 35.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 7.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 30.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-8
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 51' 59.4" Long. -88° 52' 21.3" or	Wis. Unique Well No.:	DNR Well Number: 407
Facility ID: 431048200	St. Plane 682,300 ft. N, 2,265,819 ft. E. S / C / N	Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant; Environmental Drilling Svcs
Distance from Waste/Source: 105 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 864.1 ft. MSL

D. Surface seal, bottom 860.1 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 864.1 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 860.1 ft. MSL or 4.0 ft.

H. Screen joint, top 859.1 ft. MSL or 5.0 ft.

I. Well bottom 839.1 ft. MSL or 25.0 ft.

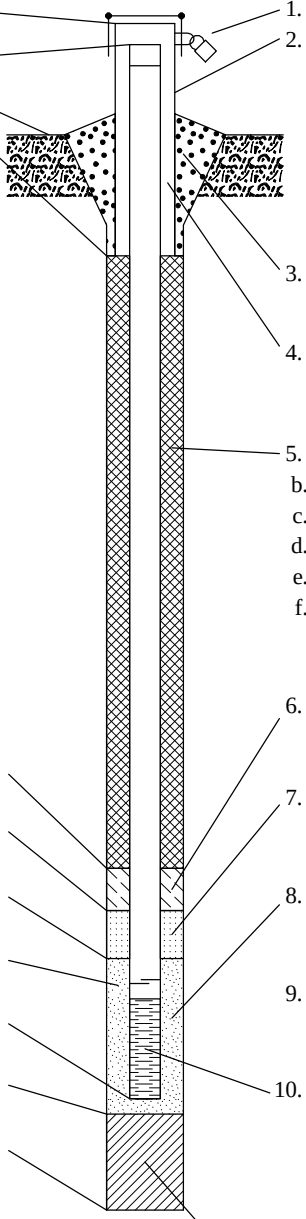
J. Filter pack, bottom 839.1 ft. MSL or 25.0 ft.

K. Borehole, bottom 839.1 ft. MSL or 25.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8

6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 6.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 20.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-10
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 52' 4.9" Long. -88° 52' 20.6" or	Wis. Unique Well No.:	DNR Well Number: 408
Facility ID: 431048200	St. Plane 682,860 ft. N, 2,265,860 ft. E. S / C / N	Date Well Installed: 10/01/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Craig Plant / Environmental Drilling Svcs
Distance from Waste/Source: 140 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 868.6 ft. MSL

D. Surface seal, bottom 864.6 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 868.6 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 864.6 ft. MSL or 4.0 ft.

H. Screen joint, top 863.6 ft. MSL or 5.0 ft.

I. Well bottom 833.6 ft. MSL or 35.0 ft.

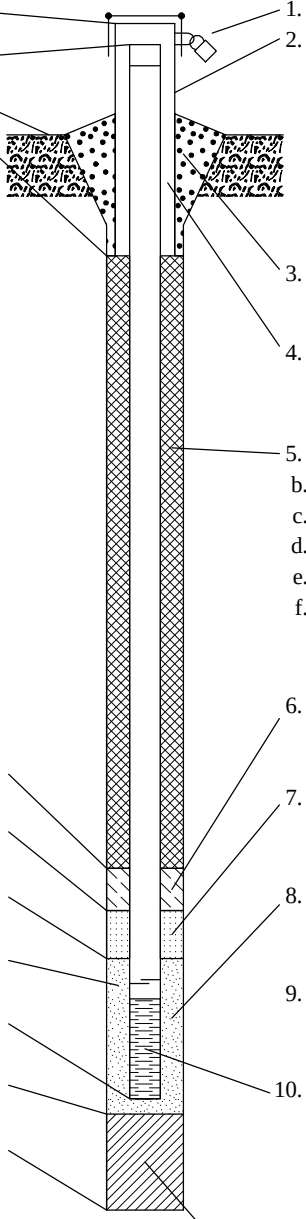
J. Filter pack, bottom 833.6 ft. MSL or 35.0 ft.

K. Borehole, bottom 833.6 ft. MSL or 35.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8

6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 7.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 30.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-11
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 52' 4.9" Long. -88° 52' 18.1" or	Wis. Unique Well No.:	DNR Well Number: 409
Facility ID: 431048200	St. Plane 682,864 ft. N, 2,266,044 ft. E. S / C / N	Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant; Environmental Drilling Svcs
Distance from Waste/Source: 140 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 877.3 ft. MSL

D. Surface seal, bottom 873.3 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0 | Hollow Stem Auger ☒ 4 1 | Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 | Air ☐ 0 1 | Drilling Mud ☐ 0 3 | None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 877.3 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 873.3 ft. MSL or 4.0 ft.

H. Screen joint, top 872.3 ft. MSL or 5.0 ft.

I. Well bottom 834.3 ft. MSL or 43.0 ft.

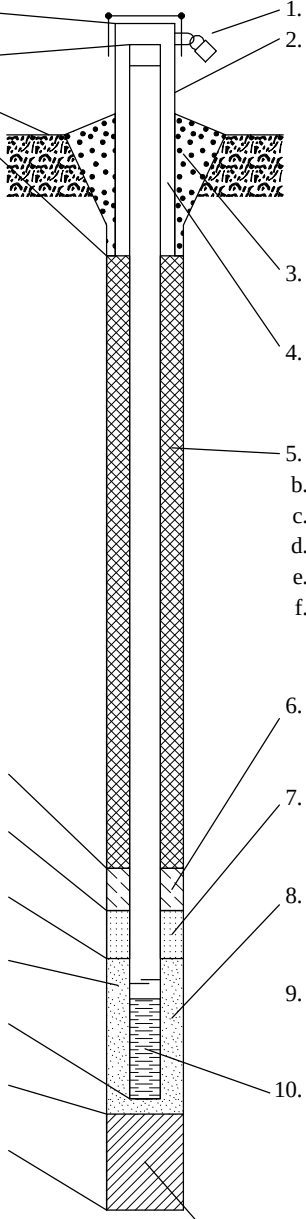
J. Filter pack, bottom 834.3 ft. MSL or 43.0 ft.

K. Borehole, bottom 834.3 ft. MSL or 43.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4 | Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0 | Concrete ☐ 0 1 | Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 3 0 | Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 | Tremie pumped ☐ 0 2 | Gravity ☒ 0 8

6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 9.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 | Flush threaded PVC schedule 80 ☐ 2 4 | Other ☐ ____

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 | Continuous slot ☐ 0 1 | Other ☐ ____
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4 | Other ☒ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

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State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: Gas Probe GP-12
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 52' 3.9" Long. -88° 52' 11.2" or	Wis. Unique Well No.:	DNR Well Number: 410
Facility ID: 431048200	St. Plane 682,771 ft. N, 2,266,555 ft. E. S / C / N	Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Craig Plant
Distance from Waste/Source: 130 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:	Environmental Drilling Svcs

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 858.1 ft. MSL

D. Surface seal, bottom 854.1 ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 858.1 ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top 854.1 ft. MSL or 4.0 ft.

H. Screen joint, top 853.1 ft. MSL or 5.0 ft.

I. Well bottom 841.1 ft. MSL or 17.0 ft.

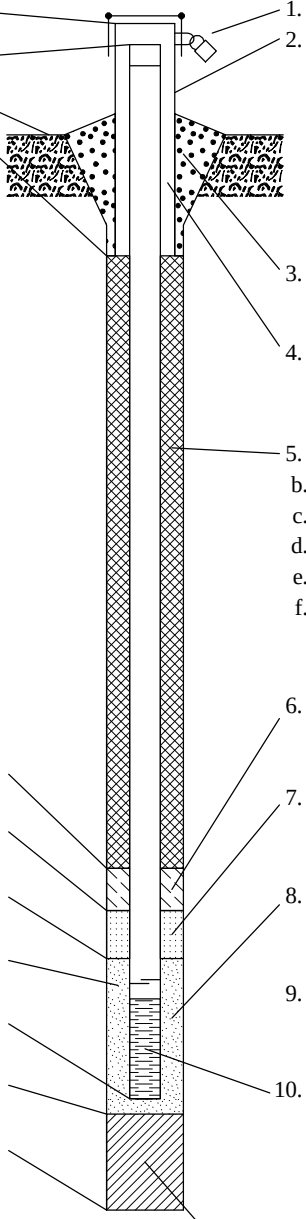
J. Filter pack, bottom 841.1 ft. MSL or 17.0 ft.

K. Borehole, bottom 841.1 ft. MSL or 17.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
____ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 2.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 12.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ashley A. Wagner | Firm: tetra tech | Tel: | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Pelayo, Aristeo - DNR

From: Wagner, Ashley <Ashley.Weimer@tetratech.com>
Sent: Tuesday, September 18, 2018 10:17 AM
To: Pelayo, Aristeo - DNR
Cc: Jeff G Tracy (Jeff.Tracy@bsigroup.com); Noel, Mike
Subject: RE: Ripon WIF and Well Construction forms

I confirmed with our surveyor that the WTM is in feet.

I do not have an updated map yet. I will work on that, and get it to you by the end of the week.

Let me know if there is anything else you need. Thank you!

From: Pelayo, Aristeo - DNR <Aristeo.Pelayo@wisconsin.gov>
Sent: Tuesday, September 18, 2018 10:07 AM
To: Wagner, Ashley <Ashley.Weimer@tetratech.com>
Cc: Jeff G Tracy (Jeff.Tracy@bsigroup.com) <Jeff.Tracy@bsigroup.com>; Noel, Mike <Mike.Noel@tetratech.com>
Subject: RE: Ripon WIF and Well Construction forms

Hi Ashley,

1.) I looked at your surveyor's spreadsheet that you sent. I'm used to see WTMs in meters. So could you verify that his WTMs are in ft (not meters)?

ALL ELEVATIONS BASED ON NAVD 88 DATUM									
	TOP OF STEEL	TOP OF	GROUND	WI SPC NAD 83 SOUTH ZONE		WGS 84		WISCON	units? survey ft?
	CASING	PVC	SHOT	NORTH	EASTING	LAT	LONG	NORTHING	EASTING
MW-101	884.90	884.73	882.48	682761.34	2266220.91	43°52'03.86"	-88°52'15.70"	1239506.86	2003655.26
P-101	885.43	885.39	882.85	682765.68	2266223.45	43°52'03.90"	-88°52'15.67"	1239511.20	2003657.80
MW-102	843.38	842.90	840.88	682482.17	2266572.26	43°52'01.06"	-88°52'10.96"	1239227.80	2004006.55
P-102	843.30	842.85	840.65	682481.86	2266579.32	43°52'01.05"	-88°52'10.86"	1239227.49	2004013.61
MW-103	872.88	872.30	869.63	682104.06	2266213.57	43°51'57.37"	-88°52'15.92"	1238849.75	2003648.00
P-103	873.24	872.74	870.74	682098.46	2266212.75	43°51'5 typo?	-8852'15.94"	1238844.15	2003647.18
P-103D	872.79	872.91	870.79	682101.91	2266208.79	43°51'57.35"	-88°52'15.99"	1238847.61	2003643.22
MW-104	875.28	875.20	872.30	682414.04	2265946.41	43°52'00.47"	-88°52'19.51"	1239159.62	2003380.88
P-104	875.36	875.40	872.56	682414.75	2265952.54	43°52'00.47"	-88°52'19.43"	1239160.33	2003387.01
MW-106	879.97	878.75	876.37	682210.42	2266835.29	43°51'58.34"	-88°52'07.42"	1238956.16	2004269.54
P-106	879.50	878.80	876.50	682210.89	2266828.99	43°51'58.34"	-88°52'07.51"	1238956.63	2004263.24
MW-107	872.64	871.69	869.36	681752.68	2266188.49	43°51'53.90"	-88°52'16.33"	1238498.46	2003622.97
P-107	872.32	871.33	869.15	681758.23	2266188.98	43°51'53.96"	-88°52'16.32"	1238504.01	2003623.45
P-107D	872.04	871.90	869.19	681760.49	2266170.98	43°51'53.98"	-88°52'16.57"	1238506.27	2003605.47

2.) If you have a map with the new locations of the MWs, could you send that too? I'll post the new survey information with that new map.

Thanks for this information.

I'm still looking for the Ehster conversion (P-114). I couldn't find its WUWN (PG223) in the DNR database, but I did find its pre-conversion WUWN (OO283).

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

Resty M. Pelayo
Phone: (608) 267-3539
aristeo.pelayo@wisconsin.gov

From: Wagner, Ashley <Ashley.Weimer@tetratech.com>
Sent: Friday, September 14, 2018 2:44 PM
To: Pelayo, Aristeo - DNR <Aristeo.Pelayo@wisconsin.gov>
Cc: Jeff G Tracy (Jeff.Tracy@bsigroup.com) <Jeff.Tracy@bsigroup.com>; Noel, Mike <Mike.Noel@tetratech.com>
Subject: Ripon WIF and Well Construction forms

Highlighted are wells whose construction reports are not here.

Resty,
Attached is the updated WIF (excel and handwritten versions) and updated well construction forms for the ones that I could find. I have included the spreadsheet from our surveyor for you as well.

The well construction and/or soil borings I cannot find are the following:

- P-113A and P-113 B – should be included in the August 2002 Status report
- Ehster conversion (P-114) – report was submitted to the WDNR on April 29, 2003
- Wisconsin Power and Light wells MW-3A and MW-3B, I believe they were installed in 1991. I could not find the well logs for these 2 wells in our files as they were not installed by us, but for a WP&L research project next to the landfill. We cited the following report in a September 11, 1992 report of ours that I believe might contain the logs for those 2 wells: Groundwater Flow and Adjective Modeling of Contaminant Migration near Ripon, Wisconsin . Matthew Alan Swanson, Master of Science Thesis, University of Wisconsin, Madison.
- All gas vents, GV-1 through GV-12, I cannot find any documents or dates on.

Let me know if you have any questions. Thank you.

Ashley A. Wagner, P.G. | Senior Project Geologist
Office: 262.792.1282 ext. 226 | FAX: 262.792.1310 | Mobile: 262.719.5242
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Monitoring Well P-114, pre-converted

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER OO283

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

Form 3300-77A
(R 8/00)

Property Owner: **EHSTER, ALAN**
Telephone Number: --
Mailing Address: **W13134 OLDEN RD**
City: **RIPON**
State: **WI**
Zip Code: **54971**
County of Well Location: **Fond Du Lac**
County Well Permit No.: **W**
Well Completion Date: **11/13/2000**

1. Well Location: [X] Town [ ] City [ ] Village of **RIPON**
Fire # (if available):
Grid or Street Address or Road Name and Number: **ST CHARLES ST**
Subdivision Name / Lot # / Block #:

Well Constructor (Business Name): **DANIEL J STEFFES**
License #: **6109**
Facility ID Number (Public Wells):
Address: **W3465 HWY Q**
Public Well Plan Approval #: W--
City: **FOND DU LAC**
State: **WI**
Zip Code: **54935**
Date of Approval (mm/dd/yyyy):
Hicap Permanent well #:
Common Well #:
Specific Capacity: **1** gpm/ft

Gov't Lot # / or **NW** 1/4 of **NE** 1/4 of
Section **18** T **16** N; R **14** [X] E [ ] W
Latitude Deg. Min.
Longitude Deg. Min.

2. Well Type: [X] New [ ] Replacement [ ] Reconstruction
Lat/Long Method: **GPS008**
of previous unique well # constructed in
Reason for replaced or Reconstructed Well?

3. Well serves **1** # of homes and or
(e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? [ ] Yes [X] No
Property? [ ] Yes [X] No

[X] Drilled [ ] Driven Point [ ] Jetted [ ] Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? [X] Yes [ ] No
Well located within 1,200 feet of a quarry? [ ] Yes [ ] No If yes, distance in feet from quarry:
Well located in floodplain? [ ] Yes [X] No

Distance in Feet from Well to Nearest:
1. Landfill
15 2. Building Overhang
35 3. Septic [X] Holding Tank [ ]
55 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline [ ] Swimming Pool [ ]
9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain [ ] Cast Iron or Plastic [ ] Other
14. Building Sewer [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
15. Collector or Street Sewer: [ ] Sanitary units in. diam. [ ] Storm [ ] =< 6 [ ] > 6
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method

Dia (in.)	From (ft.)	To (ft.)
6	**0**	**185**

Upper Enlarged Drillhole / Lower Open Bedrock
[ ] ---1. Rotary - Mud Circulation----------
[ ] ---2. Rotary - Air----------
[ ] ---3. Rotary - Air and Foam----------
[X] ---4.Drill-Through Casing Hammer
[ ] ---5. Reverse Rotary
[ ] ---6. Cable-tool Bit in. dia------
[ ] 7. Dual Rotary
[ ] 8. Temp. Outer Casing in. dia. depth (ft)
Removed? [ ] Yes [ ] No
If no, why not?

8. Geology

Type, Caving/Noncaving, Color, Hardness, etc.	From (ft.)	To (ft.)
--S- SAND	**0**	**37**
--CS SANDY CLAY	**37**	**115**
--C- CLAY	**115**	**127**
--CS SANDY CLAY	**127**	**168**
--N- SANDSTONE	**168**	**185**

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	**ASTM A53B IPSCO 6.625 X .280 EL 20 PLAIN END**	**0**	**168**

Dia. (in.)	Screen type, material & slot size		

9. Static Water Level
ft. above ground surface
27 ft. below ground surface

10. Pump Test
Pumping Level **42** ft. below surface
Pumping at **15** GPM for **2** hours

11. Well is: [X] Above Grade **12** in. [ ] Below Grade
Developed? [X] Yes [ ] No
Disinfected? [X] Yes [ ] No
Capped? [X] Yes [ ] No

7. Grout or Other Sealing Material. Method:

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
GRANULAR BENTONITE	**0**		

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
[ ] Yes [ ] No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller: **DJS** Date signed: **11/13/2000**
Signature of Drill Rig Operator (Mandatory unless same as above): **MD** Date signed: **11/13/2000**

Make additional comments on reverse side about geology, additional screens, water quality, etc.
Variance issued [ ] Yes [X] No

Monitoring Well P-115, pre-converted

SEP 10 1973

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Fond du Lac

CHECK ONE: [X] Town [ ] Village [ ] City — NAME: Ripon

2. LOCATION – ¼ Section: NE¼ | Section: 18 | Township: 16N | Range: 14E

OR – Grid or street no. | Street name: Hwy NN

AND – If available subdivision name, lot & block no.

3. OWNER AT TIME OF DRILLING: Harold Weise c/o Prestige Builders Osk.

ADDRESS: 1938 Algoma Blud.

POST OFFICE: Oshkosh, Wisconsin

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
15						15		

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
	15								

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: New Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20			
6	20	180			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	P.E. 18.97 New	Surface	175

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Gravel	Surface	35
Sand & clay	35	165
Gravel & clay	165	175
Sandstone	175	180

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill cuttings	Surface	20

10. TYPE OF DRILLING MACHINE USED

[ ] Cable Tool [ ] Direct Rotary [ ] Reverse Rotary
[ ] Rotary – air w/drilling mud [X] Rotary – hammer with drilling mud & air [ ] Jetting with [ ] Air [ ] Water

Well construction completed on 8-22 19 73

11. MISCELLANEOUS DATA

Yield test: 2 Hrs. at 12 GPM

Depth from surface to normal water level 25 ft.

Depth to water level when pumping 30 ft.

Well is terminated 13 inches [X] above [ ] below final grade

Well disinfected upon completion [X] Yes [ ] No

Well sealed watertight upon completion [X] Yes [ ] No

Water sample sent to Madison laboratory on: 8-23 19 73

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: C H Wagner Registered Well Driller

COMPLETE MAIL ADDRESS: R# 1 Box 49 Mt. Calvary, Wisconsin 53057

Please do not write in space below

GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

FL 4216