

**ATTACHMENT 13 – GROUNDWATER MONITORING AND POINT
INFORMATION (FORM 4400-089)**

GROUNDWATER MONITORING WELL AND POINT INFORMATION

Form 4400-089 (R 04/19)

Use the Groundwater Monitoring Well and Point Information Form to record identification, location and construction information for groundwater monitoring wells and any other sample "points," (e.g., gas probes, lysimeters, leachate collection systems, etc.), that are part of the environmental monitoring program. **NOTE:** Not all fields will be applicable to all point types. Only **one** coordinate reference system may be used per site. Allowable coordinate systems are listed below. (Coordinates for each system require a minimum number of digits as described below.) Local grid coordinates cannot be accepted. Identify the Coordinate Reference System, Datum and Method used.

Facility Name		County	Facility ID No. (FID)	License, Permit or Monitoring No.		Date	Completed By (Name and Firm)								
Emerald Park Landfill, Inc.		Waukesha	268244130	3290		09/23/2022	Luke Specketer, Tetra Tech								
DNR Point ID No.	Point Name ¹	WUWN ² (if app.)	Elevation (ft)	Gradient	Enf. Stds. Y/N.	Construction Date	Elevations msl (ft)			Well Casing		Well Screen Length (ft)	Well Total Length ⁵ (ft)	Coordinates ^{6,7,8,9}	
							Ground Surface	Well Top (of casing)	Diam ³ (in)	Length ⁴ (ft)	Y / Lat / Northing			X / Long / Easting	
023	IMW-4AR		11	P	U	Yes	801.61	804.31	2	23.7	10	33.7	317338	2516143	
026	IMW-4B		12	P	U	Yes	801.84	803.91	2	37.1	5	42.1	317355	2516120	
018	IMW-3A		11	A	U	No	789.26	791.48	2	7.2	10	17.2	317315	2515400	
020	IMW-3B		12	A	U	No	789.55	791.69	2	37.2	5	42.2	317315	2515400	
028	IMW-4C		12	A	D	Yes	801.71	803.75	2	57.0	5	62.0	317360	2516120	
029	IMW-4D		12	A	D	Yes	802.0	804.27	2	157.3	5	162.3	317329	2516155	
030	IMW-5A		11	A	U	No	808.5	811.24	2	7.6	10	17.6	316960	2516330	
032	IMW-5B		12	A	U	No	808.5	811.1	2	37.1	5	42.1	316955	2516325	
048	IMW-8AR		11	A	U	No	787.34	790.92	2	4.6	10	14.6	316524	2514910	
050	IMW-8BR		12	A	D	No	788.53	791.38	2	34.9	5	39.9	316519	2414929	
070	IMW-13A		11	P	U	No	809.89	811.98	2	7.2	10	17.2	316180	2516345	
072	IMW-13B		12	P	U	No	809.54	811.89	2	37.4	5	42.4	316185	2516350	
074	IMW-13C		12	P	U	No	809.59	811.84	2	56.8	5	61.8	316185	2516340	
082	IMW-16A		11	P	D	No	788.18	790.24	2	7.1	10	17.1	315770	2515005	
084	IMW-16B		12	P	D	No	788.17	790.4	2	37.2	5	42.2	315770	2515010	
086	IMW-18A		11	P	S	No	800.81	802.89	2	7.1	10	17.1	315780	2515900	
088	IMW-18B		12	P	S	No	800.45	802.71	2	37.3	5	42.3	315780	2515905	
087	IMW-18C		12	P	S	No	800.7	803.3	2	152.6	5	157.6	315785	2515897	
089	IMW-18D		12	P	N	No	800.8	803.38	2	119.6	5	124.6	315785	2515915	
090	IMW-19A		11	P	D	No	787.18	789.00	2	6.9	10	16.9	316519	2514916	
091	IMW-19AR		11	A	D	Yes	790.9	793.32	2	9.5	10	19.5	316078	2514918	
092	IMW-20A		11	A	D	No	785.16	787.61	2	7.5	10	17.5	316991	2514910	
100	IMW-101A		11	P	N	No	813.2	815.86	2	7.7	10	17.7	316050	2516719	

GROUNDWATER MONITORING WELL AND POINT INFORMATION

Form 4400-089 (R 04/19) Page 2 of 8

DNR Point ID No.	Point Name ¹	WUWN ² (if app.)	Type	Status	Gradient	Enf. Stds. Y/N.	Construction Date	Elevations msl (ft)		Well Casing			Well Screen Length (ft)	Well (Pt) Total Length ⁵ (ft)	Coordinates ^{6,7,8,9}	
								Ground Surface	Well Top (of casing)	Depth	Diam ³ (in)	Length ⁴ (ft)			Y / Lat / Northing	X / Long / Easting
102	MW-101C	LO526	12	P	N	No	04/25/1996	813.3	815.96	P	2	170.7	5	175.7	316016	2516728
104	MW-101D	LO527	12	P	N	No	05/25/1996	813.3	816.20	P	2	135.9	5	140.9	316018	2516755
106	MW-102A	LO528	11	P	N	No	12/19/1995	790.9	793.53	P	2	7.6	10	17.6	314779	2516735
108	MW-103A	LO529	11	P	N	No	12/22/1995	788.6	791.71	P	2	8.1	10	18.1	314681	2515928
110	MW-103B	LO530	12	P	N	No	12/22/1995	788.2	789.87	P	2	42.8	5	47.8	314682	2515955
112	MW-103C	LO531	12	P	N	No	12/21/1995	788.2	791.07	P	2	142.9	5	147.9	314680	2515942
114	MW-103D	LO532	12	P	N	No	04/16/1996	788.1	790.59	P	2	101.5	5	106.5	314684	2515914
116	MW-104A	LO533	11	A	S	Yes	12/18/1995	781.5	784.14	P	2	7.6	10	17.6	314328	2514607
118	MW-104B	LO534	12	A	S	Yes	12/18/1995	781.8	784.5	P	2	42.7	5	47.7	314325	2514630
120	MW-106A	LO535	11	A	D	No	12/22/1995	775.6	778.13	P	2	7.5	10	17.5	315301	2514614
122	MW-106B	LO536	12	A	D	No	12/22/1995	775.8	778.13	P	2	42.3	5	47.3	315300	2514639
124	MW-106C	LO537	12	A	D	No	05/01/1996	775.2	778.1	P	2	124.9	5	129.9	315316	2514617
126	MW-106D	LO538	12	A	D	No	05/01/1996	775.4	778.16	P	2	87.8	5	92.8	315316	2514641
128	MW-107A	LO539	11	A	S	No	12/18/1995	783.2	785.78	P	2	7.6	10	17.6	314417	2515463
130	MW-108A	LO540	11	P	N	No	04/25/1996	796.2	799.36	P	2	8.2	10	18.2	315323	2516034
132	MW-108C	LO541	12	P	N	No	04/26/1996	796.5	799.50	P	2	158.0	5	163.0	315328	2516064
134	MW-108D	LO542	12	P	N	No	04/24/1996	796.6	799.16	P	2	119.6	5	124.6	315325	2516046
136	MW-109AR	LO543	11	A	U	No	12/19/1995	797.16	800.65	P	2	7.6	10	17.6	315344	2517058
138	MW-114A	LO544	11	P	D	No	12/12/1995	786.6	789.41	P	2	7.8	10	17.8	315342	2515465
140	MW-114C	LO545	12	P	N	No	04/10/1996	786.3	788.64	P	2	143.3	5	148.3	315335	2515461
142	MW-114D	LO546	12	P	N	No	04/12/1996	787.0	789.33	P	2	108.3	5	113.3	315348	2515467
144	MW-115A	LO547	11	A	U	No	04/12/1996	806.22	809.03	P	2	7.2	10	17.2	316538	2516997
146	MW-115C	LO548	12	A	U	No	04/10/1996	806.5	808.48	P	2	149.0	5	154.0	316538	2517020
148	MW-115D	LO549	12	A	U	No	04/12/1996	806.0	808.51	P	2	114.5	5	119.5	316538	2517007
149	MW-115E	QH916	12	A	U	No	11/24/1999	805.7	808.13	P	2	65	5	70	316531	2517007
150	MW-117A	LO550	11	A	U	No	04/18/1996	805.77	808.56	P	2	10.9	10	20.9	315775	2517019
152	MW-117C	LO551	12	A	S	No	04/16/1996	805.4	808.53	P	2	167.1	5	172.1	315776	2517041

Completion of this form is mandatory under chs. 281, 289 and 292, Wis. Stats., and ss. NR 110.25, NR 507.14 and NR 716.15, Wis. Admin. Code

GROUNDWATER MONITORING WELL AND POINT INFORMATION

Form 4400-089 (R 04/19) Page 3 of 8

DNR Point ID No.	Point Name ¹	WUWN ² (if app.)	Type	Status	Gradient	Enf. Stds. Y/N.	Construction Date	Elevations msl (ft)		Well Casing			Well Screen Length (ft)	Well (Pt) Total Length ⁵ (ft)	Coordinates ^{6,7,8,9}	
								Ground Surface	Well Top (of casing)	Type	Diam ³ (in)	Length ⁴ (ft)			Y / Lat / Northing	X / Long / Easting
154	MW-117D	LO552	12	A	N	No	04/18/1996	805.7	808.64	P	2	117.9	5	122.9	315775	2517030
156	MW-120A	LO553	11	A	U	No	04/15/1996	793.0	795.81	P	2	7.8	10	17.8	314789	2517123
158	MW-120C	LO554	12	A	U	No	04/11/1996	792.8	795.93	P	2	153.1	5	158.1	314795	2517095
160	MW-120D	LO555	12	P	U	No	04/12/1996	792.7	795.53	P	2	121.8	5	126.8	314790	2517111
161	MW-120DR	QH917	12	A	N	No		794.05	795.53	P	2	123.5	5	128.5	314762	2517114
162	MW-121A	LO556	11	A	S	No	05/08/1996	784.93	788.51	P	2	7.6	10	17.6	314415	2515987
164	MW-121C	LO557	12	A	U	No	05/07/1996	785.8	788.25	P	2	142.5	5	147.5	314380	2516019
166	MW-121D	LO558	12	A	N	No	05/08/1996	785.3	788.09	P	2	109.8	5	114.8	314401	2516002
168	MW-125A	LO559	11	A	S	No	04/19/1996	778.7	781.10	P	2	7.4	10	17.4	314488	2514372
170	MW-125C	LO560	12	A	U	No	04/17/1996	779.3	781.59	P	2	135.3	5	140.3	314487	2514344
172	MW-125D	LO561	12	A	N	No	04/18/1996	779.0	781.06	P	2	91.1	5	96.1	314488	2514359
174	MW-126A	LO562	11	A	D	No	05/03/1996	775.4	777.70	P	2	7.3	10	17.3	314924	2514337
176	MW-128A	LO563	11	P	D	No	05/03/1996	782.1	784.83	P	2	7.7	10	17.7	315337	2515037
178	MW-131A	LO564	11	A	D	No	04/25/1996	773.39	777.05	P	2	8.3	10	18.3	315723	2514294
180	MW-131C	LO565	12	A	U	No	04/23/1996	774.3	777.12	P	2	121.8	5	126.8	315696	2514290
182	MW-131D	LO566	12	A	N	No	04/24/1996	774.2	777.41	P	2	83.2	5	88.2	315710	2514293
184	MW-301A	PI955	11	A	D	No	02/07/2007	774.14	776.68	P	2	5	10	15	315872	2513562
186	MW-301B	PI954	12	A	D	No	02/08/2007	775.3	777.03	P	2	67.7	5	72.7	315871	2513556
188	MW-301C	PI953	12	A	D	No	02/01/2007	775.1	776.86	P	2	121	5	126	315872	2513567
190	MW-302A	PI951	11	A	D	No	01/24/2007	777.3	779.14	P	2	4	10	14	314741	2513585
192	MW-302B	PI952	12	A	D	No	01/25/2009	777.3	778.98	P	2	73	5	78	314739	2513589
194	MW-302C	PA420	12	A	D	No	01/23/2007	777.3	779.34	P	2	130	5	135	314742	2513581
196	MW-303A	PA416	11	A	D	No	01/19/2007	777.5	779.4	P	2	6	10	16	313334	2513898
198	MW-303B	PA417	12	A	D	No	01/22/2007	777.5	779.32	P	2	69	5	74	313333	2513903
200	MW-303C	PA415	12	A	D	No	01/19/2007	777.5	779.4	P	2	132	5	137	313334	2513894
201	MW-303D	VU921	12	A	U	No	10/04/2011	777.5	780.06	P	2	163.2	5	168.2	313342.1	2513893.6
202	MW-304A	PA413	11	A	D	No	01/11/2007	781.3	782.98	P	2	6	10	16	313336	2514258

Completion of this form is mandatory under chs. 281, 289 and 292, Wis. Stats., and ss. NR 110.25, NR 507.14 and NR 716.15, Wis. Admin. Code

GROUNDWATER MONITORING WELL AND POINT INFORMATION

DNR Point ID No.	Point Name ¹	WUWN ² (if app.)	Type	Status	Gradient	Enf. Stds. Y/N.	Construction Date	Elevations msl (ft)		Well Casing			Well Screen Length (ft)	Well Total Length ⁵ (ft)	Coordinates ^{6,7,8,9}	
								Ground Surface	Well Top (of casing)	Diam ³ (in)	Length ⁴ (ft)	Y / Lat / Northing			X / Long / Easting	
204	MW-304B	PA414	12	A	D	No	01/15/2007	781.2	783.51	2	72	5	77	313335	2514252	
206	MW-304C	PA412	12	A	D	No	01/10/2007	781	783	2	120	5	125	313335	2514263	
208	MW-305A	PA430	11	A	D	No	01/12/2007	778.9	780.41	2	4	10	14	313357	2514635	
210	MW-305B	VT600	12	A	D	No	01/15/2007	778.9	780.6	2	91	5	96	313357	2514646	
212	MW-305C	PA429	12	A	D	No	01/11/2007	778.8	780.42	2	125	5	130	313357	2514640	
213	MW-305D	VU922	12	A	U	No	10/11/2011	778.66	780.93	2	170	5	175	313358.6	2514626.5	
214	P-311	PA419	12	A	D	No	01/23/2007	775.7	777.55	2	11	5	16	315252	2513733	
216	P-312	PA418	12	A	D	No	01/23/2007	778.96	780.71	2	11	5	16	314022	2513766	
217	MW-313D	VU923	12	A	U	No	10/21/2011	782.11	784.48	2	189.2	5	194.2	314397.3	2515259.4	

<p>¹Include previous name as well if one exists.</p> <p>²Wisconsin Unique Well Number.</p> <p>³Well Casing Diameter measures inside diameter.</p> <p>⁴Length of well casing from top of casing to top of screen.</p> <p>⁵Total length of well from top of casing to bottom of well. <i>Should equal sum of well casing length and screen length.</i></p>	<p>⁶Identify Coordinate Reference System (only one system may be used per site):</p> <p><input type="radio"/> Lat/Long (Decimal Degrees) WGS84 (min. 8 digits total w/ 6 right of decimal, e.g., -89.123456)</p> <p><input type="radio"/> State Plane (min. 2 digits right of decimal)</p> <p><input type="radio"/> North</p> <p><input type="radio"/> Central</p> <p><input checked="" type="radio"/> South</p> <p><input type="radio"/> Wisc. Transverse Mercator WTM91 (min. 2 digits right of decimal)</p> <p><input type="radio"/> Local County Coord. Sys. (WISCRS) (min. digits vary by county)</p>	<p>⁷Identify Projection Datum and units*</p> <p><input type="radio"/> NAD83</p> <p><input checked="" type="radio"/> NAD27</p> <p><input type="radio"/> NAD83(91)</p> <p><input type="radio"/> NAD83(11)</p> <p><input type="radio"/> Other Describe:</p> <hr/> <p>Units used for State Plane, WTM or County Coord. Sys:</p> <p><input type="radio"/> meters</p> <p><input checked="" type="radio"/> feet</p> <p>*NOTE: A datum and units are not required for Lat/Long</p>
<p>⁸Identify the Method Used to Determine the Coordinates:</p> <p><input checked="" type="radio"/> GPS001-Survey grade</p> <p><input type="radio"/> GPS003-Mapping grade/real-time differential correction</p> <p><input type="radio"/> GPS004-Mapping grade/post processing</p> <p><input type="radio"/> SRV001-Classical terrestrial surveying techniques</p> <p><input type="radio"/> OTH001 (Other), Describe:</p>	<p>⁹Y / Lat / Northing describe the vertical axis.</p> <p>X / Long / Easting describe the horizontal axis.</p> <p>(include "-" where needed, e.g., -89.123456)</p>	<p>Remarks:</p> <p>MW-4AR and MW-4B were both abandoned on 5/13/2022.</p> <p>Construction date for MW-120DR is unknown (monitoring started 4/18/2000).</p>