

**GEMS Data Upload Notice**

Site: OCONOMOWOC ELECTROPLATING CO INC

Lic #: 4189

For report period(s): 11/01/18, 12/01/18

Uploaded: 01/03/19 by Mike Solomon

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The following item(s) of possible concern: were noted in this data submittal:

- Records for 2 private well/s (Pt. Type 13) were included in this upload. ES standards were not exceeded (any ACLs, calculated PALs for parameters not in NR140 Tble 1 and QC flag failures are not included).
- There were no result records for parameter code 31 (Leachate, Depth of (from top to bottom in ft)) with values >20 ft in this upload.
- There were no result records for point type 24 (Leachate Head Well) and parameter code 31 (Leachate, Depth of, from top to bottom in ft) with values >1 ft included in this upload.
- There were no result records for parameter code 85547 (METHANE (CH4) IN AIR SAMPLE, VOL % OF DISS GASES) with values >1.25% in this upload.
- Result records for groundwater monitoring wells (Pt. Types 11, 12, 71 and 72) exceeding ES and PAL standards were included in this upload (any ACLs and QC flag failures are not included). ES exceedances are in green font.

Pt ID (Name)	MSI	Sample Date	*Parm Code	Parameter Code Description	Result	NR140 PAL	NR140 ES
1(MW-1S)	1	11/12/18	1046	IRON, DISSOLVED (MG/L FE)	0.985	.15	.3
1(MW-1S)	1	11/12/18	74010	IRON, TOTAL (MG/L FE)	2.12	.15	.3
10(MW-5D)	1	11/12/18	1046	IRON, DISSOLVED (MG/L FE)	1.59	.15	.3
10(MW-5D)	2	11/12/18	1046	IRON, DISSOLVED (MG/L FE)	1.25	.15	.3
10(MW-5D)	1	11/12/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	6.9	.02	.2
10(MW-5D)	2	11/12/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	6.6	.02	.2
10(MW-5D)	1	11/12/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	38	.5	5
10(MW-5D)	2	11/12/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	37	.5	5
10(MW-5D)	1	11/12/18	74010	IRON, TOTAL (MG/L FE)	1.81	.15	.3
10(MW-5D)	2	11/12/18	74010	IRON, TOTAL (MG/L FE)	1.74	.15	.3
10(MW-5D)	1	11/12/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	76	7	70
10(MW-5D)	2	11/12/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	75	7	70
14(MW-9S)	1	11/15/18	1046	IRON, DISSOLVED (MG/L FE)	0.533	.15	.3
14(MW-9S)	1	11/15/18	74010	IRON, TOTAL (MG/L FE)	6.26	.15	.3
14(MW-9S)	1	11/15/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	250	125	250
2(MW-1D)	1	11/12/18	1046	IRON, DISSOLVED (MG/L FE)	2.90	.15	.3
2(MW-1D)	1	11/12/18	74010	IRON, TOTAL (MG/L FE)	3.06	.15	.3
20(MW-12S)	1	11/08/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.56	.02	.2
20(MW-12S)	1	11/08/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	45	.5	5
21(MW-12D)	1	11/07/18	1046	IRON, DISSOLVED (MG/L FE)	1.07	.15	.3
21(MW-12D)	1	11/07/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.85	.02	.2
21(MW-12D)	1	11/07/18	74010	IRON, TOTAL (MG/L FE)	4.72	.15	.3
23(MW-13S)	1	11/08/18	74010	IRON, TOTAL (MG/L FE)	17.6	.15	.3
25(MW-15D)	1	11/15/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	7.9	.5	5
26(MW-16S)	1	11/19/18	1046	IRON, DISSOLVED (MG/L FE)	4.77	.15	.3
26(MW-16S)	1	11/19/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	25	.02	.2
26(MW-16S)	1	11/19/18	74010	IRON, TOTAL (MG/L FE)	4.82	.15	.3
26(MW-16S)	1	11/19/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	770	7	70
32(MW-13D)	1	11/08/18	1046	IRON, DISSOLVED (MG/L FE)	0.781	.15	.3
32(MW-13D)	1	11/08/18	74010	IRON, TOTAL (MG/L FE)	1.66	.15	.3

34(MW-15B)	1	11/15/18	1046	IRON, DISSOLVED (MG/L FE)	4.40	.15	.3
34(MW-15B)	1	11/15/18	1055	MANGANESE, TOTAL (UG/L MN)	716	60	300
34(MW-15B)	1	11/15/18	1056	MANGANESE, DISSOLVED (UG/L MN)	725	60	300
34(MW-15B)	1	11/15/18	74010	IRON, TOTAL (MG/L FE)	4.42	.15	.3
34(MW-15B)	1	11/15/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	1400	125	250
37(MW-102S)	1	11/16/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	960	125	250
38(MW-102D)	1	11/16/18	1046	IRON, DISSOLVED (MG/L FE)	1.96	.15	.3
38(MW-102D)	1	11/16/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.25	.02	.2
38(MW-102D)	1	11/16/18	74010	IRON, TOTAL (MG/L FE)	1.92	.15	.3
39(MW-103S)	1	11/08/18	1055	MANGANESE, TOTAL (UG/L MN)	408	60	300
39(MW-103S)	1	11/08/18	1056	MANGANESE, DISSOLVED (UG/L MN)	377	60	300
39(MW-103S)	1	11/08/18	34475	TETRACHLOROETHYLENE IN WHOLE WATER SAMPLE (UG/L)	14	.5	5
39(MW-103S)	1	11/08/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	26	.5	5
4(MW-2D)	1	11/09/18	1046	IRON, DISSOLVED (MG/L FE)	1.52	.15	.3
4(MW-2D)	1	11/09/18	74010	IRON, TOTAL (MG/L FE)	1.44	.15	.3
40(MW-103D)	1	11/09/18	1056	MANGANESE, DISSOLVED (UG/L MN)	315	60	300
40(MW-103D)	2	11/09/18	1056	MANGANESE, DISSOLVED (UG/L MN)	306	60	300
40(MW-103D)	1	11/09/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	320	.5	5
40(MW-103D)	2	11/09/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	310	.5	5
43(MW-105S)	1	11/07/18	1046	IRON, DISSOLVED (MG/L FE)	2.02	.15	.3
43(MW-105S)	1	11/07/18	34501	1,1-DICHLOROETHYLENE IN WHL WTR SAMPLE (UG/L)	14	.7	7
43(MW-105S)	1	11/07/18	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	200	20	100
43(MW-105S)	1	11/07/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	7.8	.02	.2
43(MW-105S)	1	11/07/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	610	.5	5
43(MW-105S)	1	11/07/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	1000	7	70
44(MW-105D)	1	11/07/18	1046	IRON, DISSOLVED (MG/L FE)	2.03	.15	.3
44(MW-105D)	1	11/07/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	2.8	.02	.2
44(MW-105D)	1	11/07/18	74010	IRON, TOTAL (MG/L FE)	2.08	.15	.3
45(MW-105B)	1	11/07/18	1046	IRON, DISSOLVED (MG/L FE)	3.30	.15	.3
45(MW-105B)	1	11/07/18	1055	MANGANESE, TOTAL (UG/L MN)	338	60	300
45(MW-105B)	1	11/07/18	1056	MANGANESE, DISSOLVED (UG/L MN)	349	60	300
45(MW-105B)	1	11/07/18	74010	IRON, TOTAL (MG/L FE)	3.04	.15	.3
48(TW-202I)	1	11/08/18	1056	MANGANESE, DISSOLVED (UG/L MN)	387	60	300
48(TW-202I)	1	11/08/18	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	8.0	.5	5
48(TW-202I)	1	11/08/18	74010	IRON, TOTAL (MG/L FE)	0.531	.15	.3
49(OW-6)	1	11/09/18	1046	IRON, DISSOLVED (MG/L FE)	0.971	.15	.3
49(OW-6)	1	11/09/18	74010	IRON, TOTAL (MG/L FE)	1.20	.15	.3

7(MW-4S)	1	11/09/18	74010	IRON, TOTAL (MG/L FE)	1.01	.15	.3
7(MW-4S)	1	11/09/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	270	125	250
1(MW-1S)	1	11/12/18	1055	MANGANESE, TOTAL (UG/L MN)	79.8	60	300
1(MW-1S)	1	11/12/18	1056	MANGANESE, DISSOLVED (UG/L MN)	83.3	60	300
1(MW-1S)	1	11/12/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	200	125	250
10(MW-5D)	1	11/12/18	1055	MANGANESE, TOTAL (UG/L MN)	70.9	60	300
10(MW-5D)	2	11/12/18	1055	MANGANESE, TOTAL (UG/L MN)	71.1	60	300
10(MW-5D)	1	11/12/18	1056	MANGANESE, DISSOLVED (UG/L MN)	72.3	60	300
10(MW-5D)	2	11/12/18	1056	MANGANESE, DISSOLVED (UG/L MN)	86.9	60	300
10(MW-5D)	1	11/12/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	140	125	250
10(MW-5D)	2	11/12/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	140	125	250
14(MW-9S)	1	11/15/18	1055	MANGANESE, TOTAL (UG/L MN)	87.0	60	300
14(MW-9S)	1	11/15/18	1056	MANGANESE, DISSOLVED (UG/L MN)	87.6	60	300
2(MW-1D)	1	11/12/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.11	.02	.2
20(MW-12S)	1	11/08/18	1055	MANGANESE, TOTAL (UG/L MN)	142	60	300
20(MW-12S)	1	11/08/18	1056	MANGANESE, DISSOLVED (UG/L MN)	119	60	300
20(MW-12S)	1	11/08/18	34501	1,1-DICHLOROETHYLENE IN WHL WTR SAMPLE (UG/L)	3.1	.7	7
20(MW-12S)	1	11/08/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	36	7	70
20(MW-12S)	1	11/08/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	170	125	250
21(MW-12D)	1	11/07/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	200	125	250
22(MW-12B)	1	11/08/18	1046	IRON, DISSOLVED (MG/L FE)	0.167	.15	.3
22(MW-12B)	1	11/08/18	74010	IRON, TOTAL (MG/L FE)	0.209	.15	.3
22(MW-12B)	1	11/08/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	140	125	250
23(MW-13S)	1	11/08/18	1055	MANGANESE, TOTAL (UG/L MN)	233	60	300
23(MW-13S)	1	11/08/18	32106	CHLOROFORM IN WHOLE WATER SAMPLE (UG/L)	1.0	.6	6
23(MW-13S)	1	11/08/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	160	125	250
25(MW-15D)	1	11/15/18	1055	MANGANESE, TOTAL (UG/L MN)	260	60	300
25(MW-15D)	1	11/15/18	1056	MANGANESE, DISSOLVED (UG/L MN)	238	60	300
26(MW-16S)	1	11/19/18	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	30	20	100
32(MW-13D)	1	11/08/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.044	.02	.2
32(MW-13D)	1	11/08/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	180	125	250
35(MW-101S)	1	11/15/18	1055	MANGANESE, TOTAL (UG/L MN)	292	60	300
36(MW-101B)	1	11/15/18	1055	MANGANESE, TOTAL (UG/L MN)	80.6	60	300
36(MW-101B)	1	11/15/18	1056	MANGANESE, DISSOLVED (UG/L MN)	79.3	60	300
36(MW-101B)	1	11/15/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	170	125	250
38(MW-102D)	1	11/16/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	30	7	70
38(MW-102D)	1	11/16/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	220	125	250
39(MW-103S)	1	11/08/18	34501	1,1-DICHLOROETHYLENE IN WHL WTR SAMPLE (UG/L)	1.4	.7	7
4(MW-2D)	1	11/09/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.042	.02	.2
4(MW-2D)	1	11/09/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	180	125	250
	1	11/09/18	1055	MANGANESE, TOTAL (UG/L MN)	284	60	300

40(MW-103D)							
40(MW-103D)	2	11/09/18	1055	MANGANESE, TOTAL (UG/L MN)	292	60	300
40(MW-103D)	1	11/09/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	64	7	70
40(MW-103D)	2	11/09/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	63	7	70
40(MW-103D)	1	11/09/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	200	125	250
40(MW-103D)	2	11/09/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	210	125	250
43(MW-105S)	1	11/07/18	1055	MANGANESE, TOTAL (UG/L MN)	225	60	300
43(MW-105S)	1	11/07/18	1056	MANGANESE, DISSOLVED (UG/L MN)	249	60	300
44(MW-105D)	1	11/07/18	1055	MANGANESE, TOTAL (UG/L MN)	60.6	60	300
44(MW-105D)	1	11/07/18	1056	MANGANESE, DISSOLVED (UG/L MN)	66.3	60	300
44(MW-105D)	1	11/07/18	34501	1,1-DICHLOROETHYLENE IN WHL WTR SAMPLE (UG/L)	1.0	.7	7
44(MW-105D)	1	11/07/18	77093	CIS-1,2-DICHLOROETHENE, WHOLE WATER (UG/L)	50	7	70
44(MW-105D)	1	11/07/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	210	125	250
48(TW-202I)	1	11/08/18	1055	MANGANESE, TOTAL (UG/L MN)	277	60	300
48(TW-202I)	1	11/08/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	170	125	250
50(MW-14DR)	1	11/15/18	1055	MANGANESE, TOTAL (UG/L MN)	124	60	300
50(MW-14DR)	1	11/15/18	1056	MANGANESE, DISSOLVED (UG/L MN)	102	60	300
50(MW-14DR)	1	11/15/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	210	125	250
6(MW-3D)	1	11/12/18	1046	IRON, DISSOLVED (MG/L FE)	0.159	.15	.3
6(MW-3D)	1	11/12/18	1055	MANGANESE, TOTAL (UG/L MN)	61.2	60	300
6(MW-3D)	1	11/12/18	1056	MANGANESE, DISSOLVED (UG/L MN)	62.4	60	300
6(MW-3D)	1	11/12/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.025	.02	.2
6(MW-3D)	1	11/12/18	74010	IRON, TOTAL (MG/L FE)	0.191	.15	.3
6(MW-3D)	1	11/12/18	940	CHLORIDE, TOTAL OR DISSOLVED IN WTR SMPL (MG/L CL)	190	125	250
7(MW-4S)	1	11/09/18	1055	MANGANESE, TOTAL (UG/L MN)	103	60	300

\*Manganese is unique among GEMS parameters in that it has an ES and PAL in both NR140, Tables 1 Public Health, and 2 Public Welfare. GEMS is not designed to distinguish whether the ES or PAL for Mn originates from NR140 Table 1 or 2. The type of exceedance (ES or PAL) and table (Health or Welfare) will be evident based on the result value. Mn standards are listed below:

Public Welfare PAL (PW PAL) = 25 ppb  
Public Welfare ES (PW ES) = 50 ppb  
Public Health PAL (PH PAL) = 60 ppb  
Public Health ES (PH ES) = 300 ppb

Result = < 25 ppb.....No standards apply.  
25 - 49 ppb.....PW PAL  
50 - 59 ppb.....PW ES & PW PAL  
60 - 299 ppb.....PH PAL & PW ES & PW PAL  
>299 ppb.....PH ES & PH PAL & PW ES & PW PAL

If you have questions, please contact Mike Solomon. Do not "reply" to this message. If you are not assigned to this site, please contact your program assistant, **not** Mike Solomon, to be unassigned or have your status changed on any site.