

**GEMS Data Upload Notice****Site:** RIPON TN RIPON CTY**Lic #:** 467**For report period(s):** 05/01/19**Uploaded:** 07/01/19 by Mike Solomon**File received:** 07/01/19

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

- Records for 1 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
112(MW-103)	1	05/22/19	620	NITRATE NITROGEN, TOTAL (MG/L AS N)	21	2	10
113(MW-104)	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.72	.02	.2
118(P-107)	1	05/21/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.95	.02	.2
119(P-107D)	1	05/21/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	5.2	.02	.2
121(MW-112)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	368	60	300
130(P-111D)	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	4.2	.02	.2
130(P-111D)	2	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	3.7	.02	.2
133(MW-3A)	1	05/21/19	1055	MANGANESE, TOTAL (UG/L MN)	491	60	300
140(P-114)	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	7.3	.02	.2
140(P-114)	2	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	6.8	.02	.2
141(P-103D)	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.31	.02	.2
142(P-115 (WIESE))	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.94	.02	.2
144(P-117)	1	05/21/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	1.2	.02	.2
112(MW-103)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	62.4	60	300
112(MW-103)	1	05/22/19	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	1.4	.5	5
112(MW-103)	1	05/22/19	945	SULFATE, TOTAL (MG/L SO4)	150	125	250
113(MW-104)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	145	60	300
114(P-103)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	93.5	60	300
114(P-103)	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.036	.02	.2
116(P-106)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	66.4	60	300
118(P-107)	1	05/21/19	1055	MANGANESE, TOTAL (UG/L MN)	148	60	300
119(P-107D)	1	05/21/19	1055	MANGANESE, TOTAL (UG/L MN)	227	60	300
121(MW-112)	1	05/22/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.031	.02	.2
121(MW-112)	1	05/22/19	39180	TRICHLOROETHYLENE (TCE) IN WHOLE WTR SAMPLE (UG/L)	0.99	.5	5
121(MW-112)	1	05/22/19	620	NITRATE NITROGEN, TOTAL (MG/L AS N)	2.2	2	10
134(MW-3B)	1	05/21/19	1055	MANGANESE, TOTAL (UG/L MN)	75.7	60	300
134(MW-3B)	1	05/21/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.058	.02	.2
140(P-114)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	68.5	60	300
140(P-114)	2	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	67.1	60	300
141(P-103D)	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	89.5	60	300
142(P-115 (WIESE))	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	140	60	300
143(P-116 (HADEL))	1	05/22/19	1055	MANGANESE, TOTAL (UG/L MN)	162	60	300
144(P-117)	1	05/21/19	1055	MANGANESE, TOTAL (UG/L MN)	228	60	300

145(P-118)	1	05/21/19	1055	MANGANESE, TOTAL (UG/L MN)	118	60	300
145(P-118)	1	05/21/19	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.057	.02	.2

\*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.