

GEMS Data Upload Notice

Site: W M W I - HAGEN FARM

Lic #: 2981

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

Uploaded: 01/11/19 by Mike Solomon

File received: 01/11/19

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

- Result records for private wells (Pt. Type 13) were NOT included in this upload.
- 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
35(OB-8M)	1	11/13/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.60	.02	.2
50(P-17C)	1	11/13/18	1046	IRON, DISSOLVED (MG/L FE)	3.7	.15	.3
50(P-17C)	1	11/13/18	1056	MANGANESE, DISSOLVED (UG/L MN)	311	60	300
50(P-17C)	1	11/13/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.38	.02	.2
65(P-22B)	1	11/13/18	1046	IRON, DISSOLVED (MG/L FE)	3.8	.15	.3
85(P-26B)	1	11/13/18	39175	VINYL CHLORIDE IN WHOLE WATER SAMPLE (UG/L)	0.23	.02	.2
150(P-32B)	1	11/13/18	631	NITRITE PLUS NITRATE, DIS. 1 DET. (MG/L AS N)	3.6	2	10
22(OBS-2C)	1	11/13/18	631	NITRITE PLUS NITRATE, DIS. 1 DET. (MG/L AS N)	4.6	2	10
35(OB-8M)	1	11/13/18	1046	IRON, DISSOLVED (MG/L FE)	0.20	.15	.3
35(OB-8M)	1	11/13/18	1056	MANGANESE, DISSOLVED (UG/L MN)	140	60	300
65(P-22B)	1	11/13/18	1056	MANGANESE, DISSOLVED (UG/L MN)	112	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.