Former Fort Ord Operable Unit Carbon Tetrachloride Plume Data and Status

HTW BCT, October 9, 2019

September 2019 Key Events for OUCTP

- Sept 4: Third Quarter 2019 Annual Groundwater Monitoring Event completed.

October 9019 Key Events for OUCTP

- None.

Ahtna

Table 1. OUCTP A-Aquifer Select Monitoring Well Data

OUCTP Hydraulic Zone[1]	EISB Deployment Area	Well Identification	COC Concentrations (µg/L)	
			2Q 2019	3Q 2019*
			CT	
		ACL:	0.5	
1	1C	EW-BW-109-A	**1.4**	**1.3**
1	N/A	MW-BW-24-A	ND (0.25)	ND (0.25)
2	3A	MW-BW-58-A	ND (0.25)	0.38 J
2	3A	MW-BW-87-A	**1.8**	**1.9**
2	3A	MW-BW-91-A	**2.1**	**1.6**
2	N/A	MW-BW-94-AR	0.48 J	0.39 J
N/A	3A	MW-BW-90-A	**1.4**	**1.1**
2	3A	EW-BW-160-A	**3.2**	**2.2**
3	3A	EW-BW-166-A	ND (0.25)	ND (0.25)
3	N/A	MW-BW-88-A	**1.3**	**1.5**
3	N/A	MW-BW-93-A	0.20 J	0.25 J
3	N/A	MW-BW-95-A	**1.4**	**1.3**
4	2A	EW-BW-124-A	**0.95**	ND (0.25)
4	N/A	MW-B-12-A	0.49 J	0.48 J
4	2B	MW-B-14-A	**0.77**	**0.69**
4	2B	EW-BW-155-A	0.32 J	**0.73**
4	2A	MW-BW-26-A^	**5.8**	**4.1**
4	N/A	MW-BW-31-A	**1.5**	**0.60**
4	N/A	MW-BW-32-A	**2.1**	**1.7**
4	N/A	MW-BW-36-A	**0.92**	**0.72**
4	N/A	MW-BW-42-A	ND (0.25)	0.14 J
4	N/A	MW-BW-89-A	**0.95**	**0.68**
4	N/A	MW-BW-92-A	**1.0**	**0.72**
5	Pilot	EISB-EW-01	**0.54**	0.37 J
5	Pilot	EISB-EW-09	**1.6**	**1.5**
5	N/A	MW-BW-65-A	0.23 J	0.39 J
5	Pilot	MW-BW-66-A	**2.0**	**1.5**
5	N/A	MW-BW-74-A	**1.4 J** [0.10 J]†	ND (0.25) [ND (0.25)]
5	N/A	MW-BW-49-A	0.33 J	0.48 J
5	N/A	MW-BW-78-A	0.27 J [0.20 J]	0.24 J [0.24 J]
5	N/A	MW-BW-80-A	ND (0.25)	**3.0**

Notes:
CT: carbon tetrachloride
µg/L: micrograms per liter
ND: The analyte was not detected above the detection limit
NS: not sampled
J: Estimated result with a low (-) or high (+) bias
[1] Hydraulic zones are identified in the Groundwater QAPP.
Results in **bold** and shaded are concentrations above the ACL
Results in gray are ND
COC: chemical of concern
[Results in brackets are from a second deeper passive diffusion bag]
^ Downgradient monitoring well MW-BW-30-A sampled annually: ND.
* Preliminary data
† Qualified as estimated (J) due to field duplicate imprecision.

Table 2. OUCTP Upper 180-Foot Aquifer Select Monitoring Well Data

OUCTP Hydraulic Zone[1]	Well Identification	CT Concentration (µg/L)[2]	
		2Q 2019	3Q 2019*
	ACL:	0.5	
6	EW-OU2-09-180[3]	ND (0.25)	ND (0.25)
6	MP-BW-46-170	**5.4**	**5.0**
6	MP-BW-46-185	ND (0.25)	NS
6	MW-BW-52-180	**0.81**	**0.81**
6	MW-BW-57-180	**0.66**	**0.95**
6	MW-BW-58-180	ND (0.25)	ND (0.25)
6	MW-OU2-64-180	**4.4**	**6.3**
6	MW-OU2-67-180[5]	0.19 J	0.11 J

Table 3. OUCTP Lower 180-Foot Aquifer Select Monitoring Well Data

OUCTP Hydraulic Zone[1]	Well Identification	Select COC Concentrations (µg/L)[2]			
		2Q 2019	3Q 2019*	2Q 2019	3Q 2019*
		CT		TCE[4]	
	Limit:	ACL 0.5		MCL 5.0	
7	MP-BW-49-316	**2.0**	**2.4**	ND (0.25)	ND (0.25)
7	MP-BW-49-400	ND (0.25)	ND (0.25)	4.6	4.6
7	MP-BW-50-339	**1.3**	**0.77**	ND (0.25)	0.14 J
7	MP-BW-50-384	ND (0.25)	ND (0.25)	1.3	1.3
7	MP-BW-51-405	0.17 J	0.11 J	1.5	1.3
7	MW-OU2-69-180	**1.0**	**0.86**	0.10 J	0.17 J
8	AIRFIELD	**0.54**	ND (0.25)	ND (0.25)	ND (0.25)
N/A	EW-OU2-07-180	ND (0.25)	ND (0.25)	2.3	3.3
N/A	FO-29	0.19 J	0.13 J	1.8	1.7
N/A	FO-30	0.15 J	0.20 J	0.57	0.44 J
N/A	FO-31	ND (0.25)	0.12 J	0.91	0.78
N/A	MP-BW-41-353	ND (0.25)	ND (0.25)	1.6	ND (0.25)
N/A	MW-BW-59-180	0.12 J	ND (0.25)	**11.3**	**10.7**
N/A	MW-OU2-72-180	ND (0.25)	ND (0.25)	1.3	1.3
N/A	MW-OU2-78-180	ND (0.25)	ND (0.25)	2.3	2.2
N/A	MW-OU2-82-180	ND (0.25)	ND (0.25)	4.1	4.9

Notes:
ACL: aquifer cleanup level
COC: chemical of concern
CT: carbon tetrachloride
MCL: maximum contaminant level
ND: The analyte was not detected at or above the detection limit
NS: not sampled
TCE: trichloroethene
µg/L: micrograms per liter
J: Estimated result with a low (-) or high (+) bias
[1] Hydraulic zones are identified in the Groundwater QAPP.
[2] Concentration in **bold** and shaded cell exceeds the Aquifer Cleanup Level (ACL) for CT and the Maximum Contaminant Level (MCL) for TCE. Results in gray are ND.
[3] EW-OU2-09-180 is operated as part of the remedy for the OUCTP Upper 180-Foot Aquifer and is connected to the OU2 GWTP.
[4] TCE is not a COC in the OUCTP Lower 180-Foot Aquifer (reported for Lower 180-Foot Aquifer with respect to protection of supply wells)
[5] Downgradient well MW-OU2-70-180 sampled annually: ND.
* Preliminary data

Ahtna