Former Fort Ord Operable Unit 2 Data and Status
HTW BCT Meeting, October 10, 2018

Table 1: OU2 GWTP Statistics as of September 30, 2018

Monthly Statistics	Volume Treated (gallons)	Average Flow (gallons per minute)	Percent of Time Online	COC Mass Removed (pounds)
September 2018	24,608,500	570	100	0.9
Total since October 1995	7.428 billion			840

Table 2: September 2018 – OU2 Analytical Results at TS-OU2-INJ

COC	Discharge Limit (µg/L)	Analytical Results (µg/L)
		Not Sampled
1,1-dichloroethane (1,1-DCA)	5.0*	NS
1,2-dichloroethane (1,2-DCA)	0.5	NS
1,2-dichloropropane (1,2-DCP)	0.5	NS
Benzene	0.5	NS
Carbon tetrachloride (CT)	0.5	NS
Chloroform	2.0*	NS
Cis-1,2-dichloroethene (cis-1,2-DCE)	6.0*	NS
Methylene Chloride	0.5	NS
Tetrachloroethene (PCE)	0.5	NS
Trichloroethene (TCE)	0.5	NS
Vinyl chloride (VC)	0.1	NS

Notes:
COC: chemical of concern
µg/L: micrograms per liter
ND: The analyte was not detected above the limit of detection (LOD).
NS: not sampled.
J: Estimated results below the limit of quantitation (LOQ).
TS-OU2-INJ: Injection point of compliance, the OU2 effluent pipeline.
*Discharge limits for low carbon affinity compounds were increased to the Aquifer Cleanup Level (ACL).
Results in **bold** and shaded are concentrations above the ACL
Results in gray are ND

September 2018 Key Events for OU2

- MCWD contractor attempted to redevelop MW-OU2-42-180 (damaged in June and surface completion replaced); still blocked above screen interval.

- Pump testing new extraction wells. Eastern network, Shoppette, and Bunker Hill extraction wells partially offline during JV construction and testing.

- September 25: Coordinated with Burleson for treated water use.

- September 26: Installed new well MW-OU2-83-A.

October 2018 Key Events for OU2

- Develop new well MW-OU2-83-A.

- Continue to prepare for transition period and GWTP decommissioning.

- Prepare for Fourth Quarter 2018 PFOA/PFOS sampling at select wells and GWTP.

- Prepare for 2019 decommissioning of two OU2 A-Aquifer monitoring wells: MW-OU2-20-A and MW-OU2-41-A.

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Table 3. OU2 A-Aquifer Select Extraction/Monitoring Well Data

OU2 Hydraulic Zone[1]	Well Identification[2]	Select COC Concentrations (µg/L)									
		2Q 2018					3Q 2018*				
		TCE	PCE	1,1-DCA	1,2-DCA	VC	TCE	PCE	1,1-DCA	1,2-DCA	VC
	ACL:	5.0	3.0	5.0	0.5	0.1	5.0	3.0	5.0	0.5	0.1
1	EW-OU2-16-A	2.7	2.6	**6.4**	**2.0**	**0.62**	3.1	2.7	**7.5**	**2.4**	**0.96**
1	MW-OU2-02-A	0.15 J	2.6	**6.6**	**1.3**	**8.4**	0.11 J	2.7	**6.1**	**1.2**	**10.7**
1	MW-OU2-44-A	**6.8**	**8.8**	**17.9**	**5.1**	**0.77**	**6.2**	**8.6**	**18.8**	**4.2**	**0.72**
1	MW-OU2-73-A	ND (0.25)	1.1	**7.8 J+**	**1.3**	**10.0**	ND (0.25)	1.7	**5.7**	**0.91**	**10.3**
2	EW-OU2-15-A	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.05)	0.32 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.05)
2	MW-OU2-27-A	0.11 J	**3.8**	0.30 J	ND (0.25)	ND (0.05)	ND (0.25)	**4.0**	0.27 J	ND (0.25)	ND (0.05)
3	EW-OU2-09-A	0.22 J	0.26 J	0.12 J	0.29 J	0.099 J	NS	NS	NS	NS	NS
3	EW-OU2-10-A	2.0	1.1	0.85	**1.0**	0.080 J	1.6	1.0	0.68	**0.78**	ND (0.05)
3	EW-OU2-12-A	**7.5**	**4.4**	**6.8**	**1.8**	**0.11**	**7.9**	**4.4**	**6.3**	**1.9**	**0.12**
3	EW-OU2-13-A	**7.0**	2.4	1.8	**3.6**	ND (0.05)	**6.6**	2.3	1.7	**3.3**	ND (0.05)
3	MW-OU2-25-A	0.54	0.23 J	0.23 J	0.15 J	ND (0.05)	0.63	0.25 J	0.30 J	0.28 J	ND (0.05)
4	EW-OU2-04-A	1.3	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.05)	1.3	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.05)
4	EW-OU2-05-A	4.8	0.28 J	0.30 J	ND (0.25)	ND (0.05)	4.4	0.27 J	0.27 J	ND (0.25)	ND (0.05)
4	EW-OU2-06-A	3.1	0.33 J	0.18 J	ND (0.25)	ND (0.05)	2.8	0.30 J	0.15 J	ND (0.25)	ND (0.05)
4	MW-OU2-40-A	4.6	0.44 J	0.35 J	0.11 J	ND (0.05)	**5.6**	0.43 J	0.31 J	ND (0.25)	ND (0.05)
5	MW-OU2-04-A	4.1	0.62	0.37 J+	0.18 J+	ND (0.05)	2.6	0.71	0.50	0.34 J	ND (0.05)
5	MW-OU2-06AR	0.89	0.15 J	0.12 J	0.22 J	ND (0.05)	1.5	0.25 J	0.25 J	0.32 J	ND (0.05)
5	MW-OU2-08-A	**8.5**	**6.9**	**29.4**	**1.3**	**0.65**	**8.8**	**8.9**	**31**	**1.3**	**0.69**
5	MW-OU2-75-A	3.5	**7.0**	**7.2**	ND (0.25)	0.082 J	3.7	**6.6**	**7.3**	ND (0.25)	ND (0.05)
5	MW-OU2-81-A	**10.7**	**12.1**	4.2	0.18 J	ND (0.05)	**7.7**	**12.8**	3.9	0.21 J	ND (0.05)
5	MW-BW-50-A	NS	NS	NS	NS	NS	1.3	**3.3**	1.9	ND (0.25)	ND (0.05)

Table 4. OU2 Upper 180-Foot Select Extraction/Monitoring Well Data

OU2 Hydraulic Zone[1]	Well Identification[2]	TCE Concentration (µg/L)	
		2Q 2018	3Q 2018*
	ACL:	5.0	
6	EW-OU2-03-180	**10.0**	**8.1**
6	MW-OU2-50-180	**11.1**	**10.0**
7	EW-OU2-06-180	**5.4**	**5.2**
7	MW-OU2-81-180	**6.3**	**6.3**
7	MW-OU2-44-180	**15.7**	**14.4**
9	EW-OU2-01-180	**6.1**	4.6
9	MW-OU2-06-180R2	2.4	2.0
9	MW-OU2-43-180	2.9	1.8

Notes:
ACL: Aquifer Cleanup Level
COC: chemical of concern
1,2-DCA: 1,2-dichloroethane
TCE: trichloroethene
PCE: tetrachloroethene
1,1-DCA: 1,1-dichloroethane
µg/L: micrograms per liter
NS: not sampled
ND: The analyte was not detected above the detection limit.
J: Estimated result with a high (+) or low (-) bias.
[1] Hydraulic zones are identified in the Groundwater QAPP.
[2] Extraction wells not listed have met the QAPP decision rules to no longer operate.
Results in **bold** and shaded are concentrations above the ACL
Results in gray are ND
Results in brackets from a second deeper passive diffusion bag
* Preliminary results

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