


OHA - Drinking Water Program - Turbidity Monitoring Report Form Columbia County

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

DAY	DATE	12 AM (NTU) [AIT-4001]	4 AM (NTU) [AIT-4001]	8 AM (NTU) [AIT-4001]	12 PM (NTU) [AIT-4001]	4 PM (NTU) [AIT-4001]	8 PM (NTU) [AIT-4001]	Filter Effluent Max Turbidity (NTU) [AIT-4001]
1	11/01/23	no	0.021	no	0.022	0.021	no	0.021
2	11/02/23	0.021	no	no	0.021	no	no	0.021
3	11/03/23	0.020	no	no	0.021	0.021	no	0.021
4	11/04/23	no	0.021	no	no	0.021	no	0.021
5	11/05/23	0.020	no	no	0.021	0.021	no	0.021
6	11/06/23	0.020	no	no	0.021	no	no	0.021
7	11/07/23	0.020	no	no	0.020	no	0.021	0.021
8	11/08/23	0.021	no	no	0.021	no	no	0.021
9	11/09/23	0.021	no	no	0.020	0.020	no	0.021
10	11/10/23	no	0.021	no	0.020	0.021	no	0.021
11	11/11/23	0.021	no	no	0.021	no	no	0.021
12	11/12/23	0.020	no	no	0.020	0.020	no	0.020
13	11/13/23	no	no	0.020	no	no	0.020	0.020
14	11/14/23	no	no	no	0.020	no	0.020	0.020
15	11/15/23	no	no	no	0.020	0.021	no	0.021
16	11/16/23	no	0.020	no	0.020	0.020	no	0.020
17	11/17/23	0.019	no	no	0.020	no	no	0.020
18	11/18/23	0.020	no	no	0.020	0.019	no	0.020
19	11/19/23	no	no	0.020	0.020	no	0.020	0.020
20	11/20/23	0.020	no	no	0.021	no	no	0.021
21	11/21/23	0.021	no	no	0.021	0.021	no	0.021
22	11/22/23	no	0.021	no	0.021	0.021	no	0.021
23	11/23/23	no	no	no	0.021	0.021	no	0.021
24	11/24/23	no	0.020	no	no	0.020	no	0.020
25	11/25/23	no	0.019	0.020	no	0.020	no	0.020
26	11/26/23	no	no	0.020	0.020	no	0.020	0.020
27	11/27/23	0.020	no	no	0.020	no	no	0.020
28	11/28/23	0.020	no	no	0.020	0.020	no	0.020
29	11/29/23	no	0.020	no	0.020	0.020	no	0.020
30	11/30/23	0.020	no	no	0.020	no	no	0.020

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
	95% of daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No
All turbidity readings < 5 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No	All CL2 residual at entry point > 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No	
Notes	Printed Name: Aaron Kunders	
	Signature: 	Date: 12/1/23
	Phone #: (503) 397-1311 Opr. Cert. # 684854	

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

November

Year:

2023

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-4705]	Contact Time T (min)	Actual Minimum CXT	Temp. (Deg. C) [TIT-4008]	pH [AIT-4713]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	11/01/23	14:59	0.64	118	75.8	14.5	7.5	22	Yes	1981
2	11/02/23	3:59	0.64	118	75.9	14.6	7.5	22	Yes	1981
3	11/03/23	12:59	0.63	117	74.0	14.6	7.5	22	Yes	1995
4	11/04/23	5:59	0.62	117	72.4	14.6	7.5	22	Yes	1997
5	11/05/23	2:59	0.62	117	73.1	14.6	7.4	18	Yes	1996
6	11/06/23	11:59	0.62	117	72.0	14.6	7.4	18	Yes	2004
7	11/07/23	13:59	0.61	116	70.2	14.6	7.5	22	Yes	2021
8	11/08/23	0:59	0.62	117	72.7	14.6	7.4	18	Yes	2006
9	11/09/23	13:59	0.64	117	74.5	14.5	7.6	22	Yes	1994
10	11/10/23	4:59	0.62	117	72.7	14.5	7.5	22	Yes	2003
11	11/11/23	14:59	0.61	118	71.9	14.6	7.5	22	Yes	1985
12	11/12/23	15:59	0.61	117	70.9	14.6	7.5	22	Yes	2006
13	11/13/23	11:59	0.61	117	70.9	14.6	7.5	22	Yes	2001
14	11/14/23	11:59	0.78	115	90.4	14.5	7.5	22	Yes	2028
15	11/15/23	12:59	0.78	117	90.6	14.6	7.5	22	Yes	2004
16	11/16/23	3:59	0.80	117	93.3	14.5	7.5	22	Yes	2000
17	11/17/23	13:59	0.76	116	88.3	14.5	7.5	22	Yes	2010
18	11/18/23	12:59	0.76	116	88.3	14.5	7.5	22	Yes	2010
19	11/19/23	9:59	0.75	117	87.3	14.3	7.4	18	Yes	2003
20	11/20/23	14:59	0.75	117	87.8	14.5	7.4	18	Yes	1993
21	11/21/23	13:59	0.74	117	86.4	14.5	7.4	18	Yes	1998
22	11/22/23	5:59	0.73	117	84.7	14.5	7.5	22	Yes	2007
23	11/23/23	14:59	0.73	117	85.3	14.5	7.5	22	Yes	2000
24	11/24/23	15:59	0.72	117	84.8	14.4	7.5	22	Yes	1994
25	11/25/23	5:59	0.71	117	82.8	14.3	7.5	22	Yes	1998
26	11/26/23	9:59	0.71	115	81.5	14.3	7.5	22	Yes	2027
27	11/27/23	13:59	0.71	117	83.2	14.3	7.5	22	Yes	1990
28	11/28/23	12:59	0.69	116	80.6	14.4	7.5	22	Yes	2010
29	11/29/23	16:59	0.67	117	78.3	14.4	7.5	22	Yes	2004
30	11/30/23	13:59	0.68	117	79.4	14.3	7.5	22	Yes	1991

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot