

**OHA - Drinking Water Services – Turbidity Monitoring Report Form County:
Slow Sand, Membrane, Diatomaceous Earth Filtration or Unfiltered Systems**

System Name: City of St. Helens ID #: 41-00724 WTP-: A Month/Year: August 2021

DAY	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	Highest Reading of the Day ¹ [NTU]
1	.020	.020	.019	.019	.019	.018	.020
2	.019	.020	.019	.019	.020	.019	.020
3	.019	.020	.019	.019	.019	.019	.020
4	.019	.020	.019	.019	.019	.020	.020
5	.020	.020	.019	.021	.021	.020	.021
6	.020	.019	.020	.021	.022	.019	.022
7	.020	.020	.019	.019	.019	.020	.020
8	.020	.019	.021	.020	.019	.020	.021
9	.021	.019	.020	.020	.020	.019	.021
10	.021	.020	.019	.019	.021	.019	.021
11	.019	.019	.019	.020	.020	.020	.020
12	.019	.021	.020	.020	.020	.020	.021
13	.020	.019	.019	.019	.022	.020	.022
14	.020	.021	.019	.020	.020	.019	.021
15	.020	.021	.019	.020	.021	.020	.021
16	.019	.020	.019	.020	.020	.019	.020
17	.019	.021	.019	.019	.021	.019	.021
18	.019	.019	.020	.020	.020	.020	.020
19	.021	.021	.019	.019	.020	.020	.021
20	.021	.019	.020	.021	.021	.020	.021
21	.020	.020	.021	.019	.020	.021	.021
22	.020	.020	.021	.020	.019	.019	.021
23	.020	.020	.020	.021	.020	.020	.021
24	.022	.020	.020	.020	.019	.021	.022
25	.021	.020	.020	.020	.021	.021	.021
26	.020	.022	.020	.020	.020	.020	.022
27	.021	.020	.020	.021	.022	.020	.022
28	.020	.022	.022	.020	.020	.022	.022
29	.021	.022	.020	.021	.022	.020	.022
30	.020	.020	.021	.023	.020	.019	.023
31	.021	.022	.023	.019	.020	.020	.023

Slow Sand/Membrane/DE Filtration/Unfiltered Monthly Summary 95% of daily turbidity readings ≤ 1 NTU? ² <u>Yes</u> / No All daily turbidity readings ≤ 5 NTU? <u>Yes</u> / No	Monthly Summary (Answer Yes or No) CT's met everyday? (see back) <u>Yes</u> / No All Cl ₂ residual at entry point ≥ 0.2 mg/l? <u>Yes</u> / No	
	PRINTED NAME: <u>Steven Wabschall</u> SIGNATURE: <u>[Signature]</u> DATE: <u>9-8-2021</u> PHONE #: <u>(503) 504-5412</u> CERT #: <u>T 2265</u>	

¹ Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12 AM" through "8 PM" may not correspond to continuous readings' maximum. ² Filtered systems only.

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

August

Year:

2021

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-4705]	Contact Time T (min)	Actual Minimum C X T	Temp. (Deg. C) [TIT-4008]	pH [AIT-7042]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	08/01/21	0:59	0.69	79	54.6	14.2	7.1	22	Yes	2973
2	08/02/21	20:59	0.69	84	57.4	14.2	7.1	22	Yes	2795
3	08/03/21	0:59	0.66	88	57.8	14.2	7.2	22	Yes	2660
4	08/04/21	0:59	0.65	81	53.0	14.2	7.2	22	Yes	2884
5	08/05/21	0:59	0.65	75	48.4	14.2	7.2	22	Yes	3133
6	08/06/21	0:59	0.65	75	48.9	14.2	7.2	22	Yes	3101
7	08/07/21	1:59	0.65	83	53.6	14.2	7.2	22	Yes	2833
8	08/08/21	0:59	0.65	84	54.8	14.2	7.2	22	Yes	2782
9	08/09/21	0:59	0.65	75	48.9	14.2	7.2	22	Yes	3107
10	08/10/21	0:59	0.65	82	53.0	14.2	7.2	22	Yes	2864
11	08/11/21	0:59	0.65	87	56.5	14.3	7.2	22	Yes	2692
12	08/12/21	0:59	0.65	72	46.9	14.3	7.2	22	Yes	3254
13	08/13/21	0:59	0.65	83	54.3	14.3	7.2	22	Yes	2801
14	08/14/21	0:59	0.65	56	36.6	14.3	7.2	22	Yes	4152
15	08/15/21	0:59	0.65	59	38.9	14.3	7.2	22	Yes	3935
16	08/16/21	0:59	0.66	75	49.2	14.3	7.2	22	Yes	3118
17	08/17/21	1:59	0.66	77	50.6	14.3	7.2	22	Yes	3029
18	08/18/21	0:59	0.66	86	56.4	14.3	7.2	22	Yes	2716
19	08/19/21	0:59	0.66	81	53.2	14.3	7.2	22	Yes	2882
20	08/20/21	0:59	0.66	80	52.6	14.3	7.2	22	Yes	2919
21	08/21/21	0:59	0.66	77	51.0	14.3	7.2	22	Yes	3028
22	08/22/21	0:59	0.67	77	51.3	14.4	7.2	22	Yes	3040
23	08/23/21	0:59	0.67	80	53.6	14.4	7.2	22	Yes	2931
24	08/24/21	0:59	0.68	85	57.7	14.4	7.2	22	Yes	2740
25	08/25/21	0:59	0.68	79	53.9	14.4	7.2	22	Yes	2950
26	08/26/21	0:59	0.68	89	60.8	14.4	7.2	22	Yes	2621
27	08/27/21	0:59	0.68	77	52.8	14.4	7.2	22	Yes	3022
28	08/28/21	0:59	0.68	78	53.3	14.4	7.2	22	Yes	2997
29	08/29/21	0:59	0.69	89	61.0	14.4	7.2	22	Yes	2633
30	08/30/21	0:59	0.69	85	58.2	14.4	7.2	22	Yes	2767
31	08/31/21	0:59	0.69	76	52.2	14.5	7.2	22	Yes	3086

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot