OHA - Drinking Water Services - Surface Water Quality Data Form
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

County: CLATSOP
Month/Year: Oct-24

System Name: WICKIUP WATER DISTRICT **ID#:** 41 00063 **WTP : TP -** A

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			0.03				0.03
2			0.01				0.01
3			0.17				0.17
4			0.32				0.32
5			0.01				0.01
6			0.01				0.01
7			0.01				0.01
8			0.01				0.01
9			0.01				0.01
10			0.02				0.02
11			0.27				0.27
12			0.24				0.24
13			0.18				0.18
14			0.01				0.01
15			0.01				0.01
16			0.01				0.01
17			0.01				0.01
18			0.13				0.13
19			0.29				0.29
20			0.21				0.21
21			0.22				0.22
22			0.14				0.14
23			0.19				0.19
24			0.27				0.27
25			0.18				0.18
26			0.29				0.29
27			0.23				0.23
28			0.37				0.37
29			0.35				0.35
30			0.38				0.38
31			0.16				0.16

Slow Sand/Membrane/DE Filtration/Unfiltered		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? [2]	**Yes**	CT's met everyday? (see back)	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 5 NTU?	**Yes**	**Yes**	**Yes**

Notes: **See Attached Notes**

PRINTED NAME: ERIC BUFKIN CERT #: D-08662 T-08793

SIGNATURE:  **DATE: 11-08-24**

PHONE #: (503)468 - 8998 **CERT #:T-08793**

[1] Including continuous NTU 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 Services - Surface Water Quality Data Form

WTP- :	A
Disinfection *Giardia* Log Inactiv:	1.0

System Name: WICKIUP WATER DISTRICT **ID#: 41 00063** **Month/Year:** OCT-24

Date / Time	Minimum Cl_2 Residual at 1st User (**C**) [3]	Contact Time (**T**)	Actual CT	Temp	pH	Required CT	CT Met? [3]	Peak Hourly Demand Flow
	[ppm or mg/L	[minutes]	**C X T**	[° C]		formula	Yes / No	[GPM]
1	0.62	149	92.4	12.6	8.36	50.5	YES	62
2	0.7	149	104.3	14.0	8.30	45.5	YES	74
3	1.07	149	159.4	11.9	8.55	59.4	YES	68
4	0.78	149	116.2	12.4	8.36	51.8	YES	60
5	0.84	149	125.2	12.5	8.54	55.7	YES	60
6	0.81	149	120.7	13.1	8.44	51.5	YES	80
7	0.27	977	263.8	12.4	8.60	53.3	YES	76
8	0.46	149	68.5	12.3	8.62	55.2	YES	71
9	0.77	149	114.7	13.6	8.47	50.1	YES	60
10	1.18	149	175.8	13.6	8.31	49.5	YES	66
11	0.46	149	68.5	11.7	8.72	59.6	YES	60
12	0.34	1029	349.9	12.1	8.63	55.4	YES	73
13	0.69	149	102.8	12.3	8.62	56.7	YES	67
14	0.64	149	95.4	12.7	8.59	54.8	YES	62
15	0.59	149	87.9	12.6	8.63	55.6	YES	61
16	0.78	149	116.2	14.1	8.39	47.1	YES	70
17	0.74	149	110.3	11.8	8.62	59.0	YES	65
18	0.61	149	90.9	11.4	8.56	58.4	YES	70
19	0.24	1037	248.9	11.9	8.41	51.3	YES	70
20	0.58	149	86.4	12.4	8.23	48.4	YES	
21	0.43	149	64.1	11.9	8.06	46.3	YES	
22	0.61	149	90.9	10.9	7.97	48.9	YES	
23	0.7	149	104.3	10.6	8.08	52.4	YES	
24	0.63	149	93.9	12.2	8.23	49.3	YES	
25	0.86	149	128.1	10.3	8.07	54.3	YES	
26	0.24	329	79.0	11.0	8.02	47.4	YES	
27	0.47	149	70.0	10.8	8.20	52.6	YES	
28	0.61	149	90.9	10.9	8.17	52.5	YES	
29	0.22	323	71.1	11.0	8.06	48.0	YES	
30	0.46	149	68.5	12.1	8.07	46.0	YES	
31	1.17	149	174.3	12.1	8.31	54.3	YES	

[3] If Cl2 at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised November 2022

Return by 10th of following month by email, fax, or mail to:

dwp.dmce@oha.oregon.gov; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350

The following dates were instances the contact time was questioned at the slow sand plant all calculations are based on the 2010 tracer study on file.

Where the tank is 200,000 gal at 15 ft full

Baffling factor is 38% or .38

1700' 10"pipe before first user = 6936 gal

CT= 13.333* height in tank*.38/peak hourly flow

10/7/24 13,333*14.67*.38

74,326/76

.27*977

CT=264

10/12/24 13.333*14.83*.38/73

197,728*.38/73

75,136/73

.34*1029

CT=349

10/19/24 13,333*14.33*.38/70

191,061*.38/70

72,603/73

.24*1037

CT=248

After October 19, 2024, data could not be extracted from flow meter to obtain peak hourly flow. There was a fire in the district on October 25 that caused us not to meet contact time on October

October 26, 2024 slow sand produced 80,435 gallons the estimates are based on 200,000 gallon tank from the 201O tracer study. 200,000 -80,435=119,565

119,565*.38

45,434/190

.24*239

CT=57.39

October 29, 2024 slow sand produced 69,428 gallons so 200,000-69,428

130,572*.38

49,617/190

.22*261

CT=57.45

Both are above worst case of 57

Same days at 8 am 26th was 14'9"= 13,333*14.75

196,661*.38

74,731/227

.24*329

CT=79

29th of act was 14'8" 13,333*14.67

195,595*.38

74,326/230

.22*323

CT=71