

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

County: Clatsop

Month/Year: Mar-22

System Name: Arch Cape Water District ID#: 41 00802

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 <sup>1</sup> [NTU]
1	PO	PO	PO	PO	PO	PO	PO
2	PO	PO	PO	PO	PO	PO	PO
3	PO	PO	PO	PO	0.03	PO	0.23
4	PO	PO	PO	0.03	0.04	0.04	0.04
5	0.04	0.04	0.04	0.04	0.04	0.04	1.00
6	0.04	0.04	0.05	0.04	0.04	0.04	1.10
7	0.05	0.04	0.04	0.04	0.04	0.04	1.15
8	0.05	PO	PO	0.04	0.03	0.02	0.39
9	PO	PO	PO	PO	PO	PO	0.87
10	0.02	0.02	0.02	0.03	PO	PO	0.17
11	PO	PO	PO	0.03	0.03	0.03	0.20
12	0.03	0.03	PO	0.03	0.03	0.03	0.03
13	PO	PO	PO	PO	PO	PO	PO
14	PO	PO	PO	0.02	0.02	0.02	0.05
15	PO	PO	PO	PO	0.03	0.02	0.04
16	0.02	0.02	PO	0.02	0.02	0.02	0.36
17	PO	PO	PO	PO	PO	PO	0.31
18	0.02	0.02	0.02	PO	PO	PO	0.06
19	PO	PO	PO	PO	0.02	0.02	0.07
20	0.02	0.02	0.02	PO	PO	PO	0.04
21	PO	PO	PO	0.02	0.03	0.02	0.17
22	0.03	0.02	0.04	0.02	0.02	PO	0.37
23	PO	PO	PO	PO	0.03	0.02	0.18
24	0.02	0.02	0.03	PO	PO	PO	0.45
25	PO	PO	PO	0.02	0.02	0.02	0.87
26	0.02	0.03	PO	PO	PO	PO	0.22
27	0.02	0.02	0.03	0.02	0.02	PO	0.68
28	PO	PO	PO	PO	PO	0.02	0.38
29	0.02	0.02	0.02	PO	PO	PO	0.37
30	PO	PO	PO	PO	0.02	0.02	0.13
31	0.02	0.03	0.02	0.02	PO	PO	0.49

Slow Sand/Membrane/DE Filtration/Unfiltered

95% of daily turbidity readings  $\leq$  1 NTU? <sup>2</sup>  Yes /  No

All daily turbidity readings  $\leq$  5 NTU?  Yes /  No

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back)  Yes /  No

All Cl2 residual at entry point  $\geq$  0.2 mg/l?  Yes /  No

Notes:

PRINTED NAME: Phil Chuck

SIGNATURE: Phil Chuck

DATE: 4-7-22

PHONE #: (503) 436-2790

CERT #: T: 08177

<sup>1</sup> 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. <sup>2</sup> Filtered systems only.

D: 08178

OHA - Drinking Water Program - Surface Water Quality Data Form

County: Clatsop

WTP- : A

System Name: Arch Cape Water District ID#: 41 00802 Month/Year: Mar-22

Disinfection Giardia Log Inactiv: 0.50

Date / Time	Minimum Cl <sub>2</sub> Residual at 1st User (C) <sup>3</sup>	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? <sup>3</sup>	Peak Hourly Demand Flow
	[ppm or mg/l]	[minutes]	C X T	[° C]		formula	Yes / No	[GPM]
1	0.8	268	214.3	7.9	7.18	23.1	YES	74
2	0.79	276	218.3	8.3	7.08	21.7		66
3	0.78	258	200.9	8.3	7.09	21.7		66
4	0.76	226	171.6	7.7	7.11	22.7		71
5	0.85	192	163.0	8.2	7.10	22.1		94
6	0.9	241	216.8	8.4	7.01	21.3		82
7	0.86	233	200.8	8.4	6.98	20.9		92
8	0.83	330	273.9	8.6	7.22	22.4		68
9	0.78	306	239.1	8.6	7.10	21.4		73
10	0.76	320	242.9	8.1	7.08	21.9		70
11	0.74	301	222.9	8.1	7.06	21.7		72
12	0.74	235	174.0	8.2	7.04	21.4		94
13	0.74	242	178.8	8.6	7.00	20.5		92
14	0.72	293	210.8	8.7	7.20	21.8		71
15	0.72	328	236.4	8.7	7.15	21.5		65
16	0.72	344	247.8	8.8	7.04	20.5		64
17	0.72	300	215.7	8.8	7.05	20.6		74
18	0.7	264	184.8	8.7	7.06	20.7		85
19	0.7	342	239.4	9.1	7.02	19.9		64
20	0.85	250	212.8	8.9	7.05	20.7		91
21	0.83	247	205.0	9.2	7.11	20.7		85
22	0.82	283	232.2	9.0	7.16	21.3		79
23	0.78	277	216.1	9.5	7.18	20.7		79
24	0.85	288	244.4	9.1	7.11	20.9		79
25	0.81	293	237.5	9.1	7.15	21.1		73
26	0.79	308	243.6	9.6	7.12	20.2		73
27	0.78	270	210.2	9.5	7.10	20.1		83
28	0.78	320	249.8	10.1	7.09	19.3		69
29	0.82	310	254.4	9.9	7.07	19.5		71
30	0.88	334	293.6	10.3	7.04	18.9		65
31	0.88	305	268.5	10.1	7.06	19.3		74

<sup>3</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

Enter data in green shaded cells.

Date	Total Contact Time (min)	Lowest Reservoir Level (ft)	Volume/ft of depth (gal)	Baffling Factor (%)	Effective Reservoir Volume (gal)	Peak Hour Demand (gpm)	Tank Contact Time (min)	Pipe Diameter (in)	Pipe Length (ft)	Pipe Volume (gal) (baffling = 1)	Pipe Contact Time (min)
1	268	22.7	18,381	0.0375	15,647	74	211	8	1,600	4,176	56
2	276	20.4	18,381	0.0375	14,061	66	213	8	1,600	4,176	63
3	258	18.6	18,381	0.0375	12,821	66	194	8	1,600	4,176	63
4	226	17.2	18,381	0.0375	11,856	71	167	8	1,600	4,176	59
5	192	20.1	18,381	0.0375	13,855	94	147	8	1,600	4,176	44
6	241	22.6	18,381	0.0375	15,578	82	190	8	1,600	4,176	51
7	233	25.1	18,381	0.0375	17,301	92	188	8	1,600	4,176	45
8	330	26.5	18,381	0.0375	18,266	68	269	8	1,600	4,176	61
9	306	26.4	18,381	0.0375	18,197	73	249	8	1,600	4,176	57
10	320	26.4	18,381	0.0375	18,197	70	260	8	1,600	4,176	60
11	301	25.4	18,381	0.0375	17,508	72	243	8	1,600	4,176	58
12	235	26	18,381	0.0375	17,921	94	191	8	1,600	4,176	44
13	242	26.2	18,381	0.0375	18,059	92	196	8	1,600	4,176	45
14	293	24.1	18,381	0.0375	16,612	71	234	8	1,600	4,176	59
15	328	24.9	18,381	0.0375	17,163	65	264	8	1,600	4,176	64
16	344	25.9	18,381	0.0375	17,853	64	279	8	1,600	4,176	65
17	300	26.1	18,381	0.0375	17,990	74	243	8	1,600	4,176	56
18	264	26.5	18,381	0.0375	18,266	85	215	8	1,600	4,176	49
19	342	25.7	18,381	0.0375	17,715	64	277	8	1,600	4,176	65
20	250	27	18,381	0.0375	18,611	91	205	8	1,600	4,176	46
21	247	24.4	18,381	0.0375	16,819	85	198	8	1,600	4,176	49
22	283	26.4	18,381	0.0375	18,197	79	230	8	1,600	4,176	53
23	277	25.7	18,381	0.0375	17,715	79	224	8	1,600	4,176	53
24	288	26.9	18,381	0.0375	18,542	79	235	8	1,600	4,176	53
25	293	25	18,381	0.0375	17,232	73	236	8	1,600	4,176	53
26	308	26.6	18,381	0.0375	18,335	73	251	8	1,600	4,176	57
27	270	26.4	18,381	0.0375	18,197	83	219	8	1,600	4,176	50
28	320	26	18,381	0.0375	17,921	69	260	8	1,600	4,176	61
29	310	26.8	18,381	0.0375	18,473	73	253	8	1,600	4,176	57
30	334	25.4	18,381	0.0375	17,508	65	269	8	1,600	4,176	64
31	305	26.7	18,381	0.0375	18,404	74	249	8	1,600	4,176	56