

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

County: **Clatsop**

Month/Year: **Jul-23**

WTP: **TP - A**

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

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	PO	PO	PO	PO	PO	PO	PO
2	0.03	0.03	0.03	0.03	0.03	0.03	1.17
3	0.03	0.03	0.03	0.03	0.03	0.03	0.80
4	0.03	0.03	0.03	0.03	0.03	0.03	0.22
5	0.03	0.03	0.03	0.03	0.03	0.03	0.20
6	0.03	0.03	0.03	0.03	0.02	0.02	0.30
7	PO	PO	PO	PO	PO	PO	PO
8	PO	PO	PO	0.02	0.02	0.02	0.05
9	0.02	0.02	0.02	0.02	0.02	0.02	0.08
10	PO	PO	PO	PO	PO	PO	PO
11	PO	PO	0.02	0.02	0.02	0.02	0.04
12	0.02	0.02	0.02	0.02	0.02	0.02	0.16
13	PO	PO	PO	PO	PO	PO	PO
14	PO	PO	PO	0.02	0.02	0.02	0.05
15	0.02	0.02	0.02	0.02	0.02	0.03	0.51
16	PO	PO	PO	PO	PO	PO	PO
17	PO	PO	0.02	0.03	0.02	0.02	0.10
18	0.02	0.03	0.05	PO	PO	PO	0.14
19	PO	PO	PO	PO	0.02	0.02	0.07
20	0.02	0.02	0.05	0.02	0.02	0.02	0.17
21	PO	PO	PO	0.02	0.02	0.02	0.13
22	0.02	PO	PO	PO	PO	0.02	0.17
23	0.02	0.02	0.02	0.02	0.02	PO	0.20
24	PO	PO	PO	PO	PO	PO	PO
25	PO	PO	PO	0.02	0.02	0.02	0.16
26	0.02	0.02	0.02	0.02	0.02	0.02	0.19
27	0.02	PO	PO	PO	PO	PO	0.14
28	PO	PO	PO	0.02	0.02	0.02	0.11
29	0.02	0.02	0.18	0.02	0.02	0.02	0.19
30	0.02	PO	PO	PO	PO	PO	0.05
31	PO	PO	0.02	0.02	0.03	0.02	0.08

Slow Sand/Membrane/DE Filtration/Unfiltered

95% of daily turbidity readings ≤ 1 NTU? ² Yes / No

All daily turbidity readings ≤ 5 NTU? Yes / No

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No	All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No
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Notes:

PRINTED NAME: Matthew R. Gardner

SIGNATURE: [Signature] DATE: 8.3.23

PHONE #: (503) 436 2790 CERT #: T-09382

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. D-09383

OHA - Drinking Water Program - Surface Water Quality Data Form

County: Clatsop

WTP- : A

System Name: Arch Cape Water District ID#: 41 00802 Month/Year: Jul-23

Disinfection *Giardia* Log Inactiv: 0.50

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	0.78	211	164.6	15.6	7.40	14.8		106
2	0.76	205	155.9	15.5	7.44	15.1		104
3	0.76	195	148.3	15.5	7.43	15.0		109
4	0.76	169	128.5	15.6	7.46	15.1		125
5	0.75	177	132.7	15.8	7.43	14.7		121
6	0.78	199	154.9	15.8	7.36	14.4		113
7	0.75	201	150.7	15.8	7.40	14.6		110
8	0.73	228	166.8	15.7	7.40	14.6		91
9	0.73	199	144.9	15.8	7.40	14.5		112
10	0.7	212	148.7	15.9	7.42	14.5		104
11	0.68	236	160.4	15.9	7.43	14.5		89
12	0.75	252	188.9	16.2	7.38	14.1		88
13	0.74	249	184.5	16.1	7.37	14.1		90
14	0.72	267	192.5	16.2	7.48	14.5		78
15	0.78	187	146.2	16.6	7.47	14.2		119
16	0.76	222	169.0	16.5	7.40	13.9		100
17	0.74	252	186.2	16.7	7.38	13.6		84
18	0.82	263	215.3	16.8	7.39	13.7		86
19	0.78	219	171.0	16.7	7.42	13.9		97
20	0.77	243	187.0	17.2	7.41	13.3		91
21	0.76	249	188.9	17.2	7.40	13.3		90
22	0.78	236	184.3	17.2	7.39	13.3		95
23	0.85	227	193.3	17.4	7.47	13.6		99
24	0.85	225	191.1	17.4	7.45	13.5		98
25	0.84	232	194.7	17.4	7.47	13.6		90
26	0.89	229	203.4	17.5	7.43	13.3		97
27	0.89	230	205.1	17.4	7.42	13.4		98
28	0.86	193	166.2	17.4	7.38	13.1		109
29	0.89	219	194.7	17.6	7.45	13.4		101
30	0.89	238	211.5	17.4	7.45	13.5		95
31	0.85	236	200.2	17.5	7.48	13.5		90

³ If Cl₂ 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	211	26.4	18,381	0.0375	18,197	106	172	8	1,600	4,176	39
2	205	24.9	18,381	0.0375	17,163	104	165	8	1,600	4,176	40
3	195	24.8	18,381	0.0375	17,094	109	157	8	1,600	4,176	38
4	169	24.6	18,381	0.0375	16,956	125	136	8	1,600	4,176	33
5	177	25	18,381	0.0375	17,232	121	142	8	1,600	4,176	35
6	199	26.5	18,381	0.0375	18,266	113	162	8	1,600	4,176	37
7	201	26	18,381	0.0375	17,921	110	163	8	1,600	4,176	38
8	228	24.1	18,381	0.0375	16,612	91	183	8	1,600	4,176	46
9	199	26.2	18,381	0.0375	18,059	112	161	8	1,600	4,176	37
10	212	26	18,381	0.0375	17,921	104	172	8	1,600	4,176	40
11	236	24.4	18,381	0.0375	16,819	89	189	8	1,600	4,176	47
12	252	26.1	18,381	0.0375	17,990	88	203	8	1,600	4,176	47
13	249	26.5	18,381	0.0375	18,266	90	204	8	1,600	4,176	46
14	267	24.2	18,381	0.0375	16,681	78	214	8	1,600	4,176	54
15	187	26.3	18,381	0.0375	18,128	119	152	8	1,600	4,176	35
16	222	26.2	18,381	0.0375	18,059	100	181	8	1,600	4,176	42
17	252	24.6	18,381	0.0375	16,956	84	202	8	1,600	4,176	50
18	263	26.7	18,381	0.0375	18,404	86	214	8	1,600	4,176	49
19	219	24.8	18,381	0.0375	17,094	97	176	8	1,600	4,176	43
20	243	26	18,381	0.0375	17,921	91	197	8	1,600	4,176	46
21	249	26.4	18,381	0.0375	18,197	90	202	8	1,600	4,176	46
22	236	26.5	18,381	0.0375	18,266	96	192	8	1,600	4,176	44
23	227	26.6	18,381	0.0375	18,335	99	185	8	1,600	4,176	42
24	225	25.9	18,381	0.0375	17,853	98	182	8	1,600	4,176	43
25	232	24.2	18,381	0.0375	16,681	90	185	8	1,600	4,176	46
26	229	26.1	18,381	0.0375	17,990	97	185	8	1,600	4,176	43
27	230	26.7	18,381	0.0375	18,404	98	188	8	1,600	4,176	43
28	193	24.5	18,381	0.0375	16,888	109	155	8	1,600	4,176	38
29	219	26	18,381	0.0375	17,921	101	177	8	1,600	4,176	41
30	238	26.7	18,381	0.0375	18,404	96	194	8	1,600	4,176	44
31	236	24.7	18,381	0.0375	17,025	90	189	8	1,600	4,176	46