

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

County: Clatsop

Month/Year: Jan-23

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 ¹ [NTU]
1	0.02	0.02	0.03	0.03	0.03	0.03	0.03
2	0.03	0.03	0.03	0.03	0.03	0.03	0.03
3	0.03	PO	PO	0.03	0.02	0.02	0.21
4	PO	PO	PO	0.02	0.02	0.02	0.02
5	PO	PO	PO	PO	PO	PO	PO
6	PO	PO	PO	0.02	0.02	PO	0.02
7	PO	PO	PO	0.02	0.02	0.02	0.03
8	0.02	0.02	0.02	0.03	0.03	0.03	0.03
9	PO	PO	PO	PO	PO	0.02	0.15
10	0.02	0.02	0.02	PO	PO	PO	0.42
11	0.02	0.02	PO	0.02	0.02	PO	0.25
12	PO	PO	PO	PO	0.02	0.03	0.04
13	0.02	0.02	PO	0.02	0.02	0.02	0.02
14	PO	PO	PO	PO	PO	0.02	0.02
15	0.02	0.02	0.02	0.02	0.03	PO	0.03
16	PO	PO	PO	PO	0.02	0.03	0.20
17	0.03	0.03	0.03	PO	0.03	0.03	0.04
18	PO	PO	PO	PO	PO	PO	PO
19	PO	PO	PO	0.03	0.03	0.03	0.05
20	0.03	0.03	0.03	0.03	PO	PO	0.17
21	0.02	0.03	PO	PO	PO	0.02	0.02
22	0.02	0.03	0.03	0.03	0.03	PO	0.24
23	PO	PO	PO	0.03	0.03	0.03	0.08
24	0.03	PO	PO	PO	PO	PO	0.04
25	PO	PO	PO	0.03	PO	PO	0.04
26	PO	PO	PO	0.02	0.02	0.02	0.11
27	0.02	PO	PO	0.02	0.02	0.02	0.02
28	0.02	0.02	PO	PO	PO	PO	0.03
29	PO	PO	0.02	0.02	0.02	0.02	0.05
30	0.02	PO	PO	PO	PO	0.02	0.19
31	0.02	0.03	0.03	PO	PO	PO	0.04

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? ² <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 Cl ₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No
All daily turbidity readings ≤ 5 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No		
Notes:	PRINTED NAME: Matthew Gardner	
	SIGNATURE: <i>Matthew Gardner</i>	DATE: 2/3/23
	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

Disinfection *Giardia* Log Inactiv: 0.50

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

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	0.82	216	177.5	9.3	7.20	21.2	YES	90
2	0.82	254	208.3	9.1	7.29	22.2		84
3	0.81	275	223.0	9.1	7.24	21.8		81
4	0.81	333	269.5	9.1	7.36	22.7		66
5	0.78	287	224.0	9.2	7.25	21.6		76
6	0.78	255	198.6	9.0	7.26	22.0		80
7	0.74	245	181.4	9.0	7.23	21.7		80
8	0.78	226	176.2	9.2	7.21	21.3		96
9	0.72	344	247.8	9.3	7.28	21.6		64
10	0.76	327	248.7	9.1	7.25	21.7		69
11	0.77	362	278.7	9.4	7.22	21.1		62
12	0.76	341	259.1	9.5	7.31	21.6		64
13	0.78	291	226.6	9.6	6.71	17.5		77
14	0.79	294	232.0	9.8	6.70	17.2		75
15	0.81	254	205.9	9.8	7.23	20.7		88
16	0.83	284	236.1	9.7	7.20	20.7		76
17	0.85	291	247.1	9.6	7.23	21.1		76
18	0.78	354	276.1	9.6	7.28	21.3		63
19	0.74	324	239.6	9.4	7.25	21.3		64
20	0.79	252	198.8	9.0	7.27	22.1		90
21	0.8	354	283.1	9.0	7.23	21.8		64
22	0.8	254	203.4	8.7	7.20	22.0		88
23	0.79	330	260.4	8.8	7.22	22.0		66
24	0.81	219	177.8	8.6	7.20	22.2		64
25	0.82	309	253.6	8.3	7.22	22.8		73
26	0.81	345	279.7	8.4	7.25	22.9		62
27	0.81	315	255.2	8.5	7.23	22.6		71
28	0.85	245	208.0	8.5	7.20	22.4		92
29	0.84	246	206.7	8.0	7.20	23.2		87
30	0.85	339	288.1	7.7	7.19	23.6		66
31	0.87	328	285.6	7.3	7.21	24.5		69

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

Revised February 2012

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	216	22.2	18,381	0.0375	15,302	90	170	8	1,600	4,176	46
2	254	24.9	18,381	0.0375	17,163	84	204	8	1,600	4,176	50
3	275	26.3	18,381	0.0375	18,128	81	224	8	1,600	4,176	52
4	333	25.8	18,381	0.0375	17,784	66	269	8	1,600	4,176	63
5	287	25.6	18,381	0.0375	17,646	76	232	8	1,600	4,176	55
6	255	23.5	18,381	0.0375	16,198	80	202	8	1,600	4,176	52
7	245	22.4	18,381	0.0375	15,440	80	193	8	1,600	4,176	43
8	226	25.4	18,381	0.0375	17,508	96	182	8	1,600	4,176	65
9	344	25.9	18,381	0.0375	17,853	64	279	8	1,600	4,176	65
10	327	26.7	18,381	0.0375	18,404	69	267	8	1,600	4,176	61
11	362	26.5	18,381	0.0375	18,266	62	295	8	1,600	4,176	67
12	341	25.6	18,381	0.0375	17,646	64	276	8	1,600	4,176	65
13	291	26.4	18,381	0.0375	18,197	77	236	8	1,600	4,176	54
14	294	25.9	18,381	0.0375	17,853	75	238	8	1,600	4,176	56
15	254	26.4	18,381	0.0375	18,197	88	207	8	1,600	4,176	47
16	284	25.3	18,381	0.0375	17,439	76	229	8	1,600	4,176	55
17	291	26	18,381	0.0375	17,921	76	236	8	1,600	4,176	55
18	354	26.3	18,381	0.0375	18,128	63	288	8	1,600	4,176	66
19	324	24	18,381	0.0375	16,543	64	258	8	1,600	4,176	65
20	252	26.8	18,381	0.0375	18,473	90	205	8	1,600	4,176	46
21	354	26.8	18,381	0.0375	18,473	64	289	8	1,600	4,176	65
22	254	26.4	18,381	0.0375	18,197	88	207	8	1,600	4,176	47
23	330	25.5	18,381	0.0375	17,577	66	266	8	1,600	4,176	63
24	219	26.1	18,381	0.0375	17,990	101	178	8	1,600	4,176	41
25	309	26.7	18,381	0.0375	18,404	73	252	8	1,600	4,176	57
26	345	25	18,381	0.0375	17,232	62	278	8	1,600	4,176	67
27	315	26.4	18,381	0.0375	18,197	71	256	8	1,600	4,176	59
28	245	26.6	18,381	0.0375	18,335	92	199	8	1,600	4,176	45
29	246	25	18,381	0.0375	17,232	87	198	8	1,600	4,176	48
30	339	26.4	18,381	0.0375	18,197	68	276	8	1,600	4,176	63
31	328	26.8	18,381	0.0375	18,473	69	268	8	1,600	4,176	61