

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

County: Clatsop

Month/Year: Dec-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	PO	PO	PO	0.03	PO	PO	0.45
2	PO	PO	PO	PO	0.03	0.03	0.25
3	PO	PO	PO	PO	PO	PO	PO
4	PO	PO	PO	PO	PO	PO	PO
5	PO	PO	PO	PO	PO	PO	PO
6	PO	PO	PO	PO	PO	PO	PO
7	PO	PO	PO	PO	PO	PO	PO
8	PO	PO	PO	0.02	PO	PO	0.57
9	PO	PO	PO	PO	PO	PO	PO
10	PO	PO	PO	PO	PO	PO	PO
11	PO	PO	PO	PO	PO	PO	PO
12	PO	PO	PO	PO	0.02	0.02	1.15
13	0.02	0.02	0.02	0.02	0.02	0.02	0.31
14	0.08	0.02	0.02	0.02	0.02	0.02	2.44
15	0.02	0.02	0.02	0.02	0.02	0.02	1.43
16	0.02	0.02	PO	PO	PO	PO	0.23
17	PO	PO	PO	PO	PO	PO	PO
18	PO	PO	PO	0.03	0.03	0.03	0.07
19	0.03	0.03	0.03	PO	0.03	PO	0.43
20	PO	PO	PO	PO	PO	PO	PO
21	PO	PO	PO	PO	0.03	0.03	0.07
22	0.03	PO	PO	PO	PO	PO	0.03
23	PO	PO	PO	0.02	0.02	0.03	0.42
24	PO	PO	PO	PO	0.02	0.02	0.54
25	PO	PO	PO	PO	PO	PO	PO
26	PO	PO	PO	PO	PO	PO	PO
27	PO	PO	PO	PO	PO	PO	PO
28	PO	PO	PO	PO	0.02	0.02	0.90
29	0.02	0.02	0.02	0.03	0.03	0.03	0.04
30	0.03	0.03	PO	PO	PO	PO	0.53
31	PO	PO	PO	PO	0.03	0.02	0.18

Slow Sand/Membrane/DE Filtration/Unfiltered		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? ²	Yes / No	CT's met everyday? (see back)	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 5 NTU?	Yes / No	Yes / No	Yes / No
Notes:		PRINTED NAME: Matthew R. Gardner	
		SIGNATURE: <i>[Signature]</i>	DATE: 1.2.24
		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: Dec-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	0.76	521	396.0	9.0	7.18	21.4		44
2	0.75	404	303.3	9.1	7.15	21.0		56
3	0.77	430	331.3	9.2	7.19	21.2		52
4	0.76	393	299.0	9.4	7.21	21.0		56
5	0.77	527	405.9	9.8	7.15	20.1		41
6	0.74	392	290.2	9.9	7.14	19.8		53
7	0.73	420	306.6	9.8	7.20	20.3		49
8	0.73	480	350.5	9.6	7.16	20.3		43
9	0.74	396	293.4	9.5	7.16	20.5		50
10	0.72	272	196.1	9.6	7.12	20.0		70
11	0.72	442	318.5	9.6	7.21	20.7		42
12	0.72	340	244.9	9.4	7.13	20.3		53
13	0.71	484	343.3	9.2	7.19	21.0		39
14	0.72	397	285.7	9.5	7.17	20.5		51
15	0.83	488	404.9	9.5	7.21	21.0		46
16	0.97	396	384.5	9.8	7.17	20.7		58
17	0.93	313	291.2	9.7	7.15	20.6		71
18	0.94	511	480.7	9.8	7.20	20.8		42
19	0.94	414	389.4	9.9	7.14	20.3		55
20	0.9	447	402.1	9.9	7.11	20.0		51
21	0.89	452	402.6	10.0	7.16	20.1		49
22	0.87	564	490.8	9.9	7.20	20.5		41
23	0.85	408	346.8	9.7	7.16	20.5		55
24	0.85	337	286.6	9.6	7.14	20.4		68
25	0.85	399	338.8	9.7	7.15	20.4		57
26	0.83	359	297.7	9.7	7.26	21.1		62
27	0.82	381	312.5	9.9	7.17	20.2		56
28	0.83	480	398.6	10.0	7.19	20.2		43
29	0.82	296	242.8	9.8	7.23	20.8		73
30	0.8	280	223.6	10.2	7.20	20.0		82
31	0.79	266	210.2	10.2	7.21	20.0		82

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	521	27.2	18,381	0.0375	18,749	44	426	8	1,600	4,176	95
2	404	26.8	18,381	0.0375	18,473	56	330	8	1,600	4,176	75
3	430	26.4	18,381	0.0375	18,197	52	350	8	1,600	4,176	80
4	393	25.9	18,381	0.0375	17,853	56	319	8	1,600	4,176	75
5	527	25.3	18,381	0.0375	17,439	41	425	8	1,600	4,176	102
6	392	24.1	18,381	0.0375	16,612	53	313	8	1,600	4,176	79
7	420	23.8	18,381	0.0375	16,405	49	335	8	1,600	4,176	85
8	480	23.2	18,381	0.0375	15,991	42	381	8	1,600	4,176	99
9	396	22.7	18,381	0.0375	15,647	50	313	8	1,600	4,176	84
10	272	21.6	18,381	0.0375	14,889	70	213	8	1,600	4,176	60
11	442	20.9	18,381	0.0375	14,406	42	343	8	1,600	4,176	99
12	340	20.1	18,381	0.0375	13,855	53	261	8	1,600	4,176	79
13	484	21.3	18,381	0.0375	14,682	39	376	8	1,600	4,176	107
14	397	23.3	18,381	0.0375	16,060	51	315	8	1,600	4,176	82
15	488	26.5	18,381	0.0375	18,266	46	397	8	1,600	4,176	91
16	396	27.3	18,381	0.0375	18,818	58	324	8	1,600	4,176	72
17	313	26.2	18,381	0.0375	18,059	71	254	8	1,600	4,176	59
18	511	25.1	18,381	0.0375	17,301	42	412	8	1,600	4,176	99
19	414	27	18,381	0.0375	18,611	55	338	8	1,600	4,176	76
20	447	27	18,381	0.0375	18,611	51	365	8	1,600	4,176	82
21	452	26.1	18,381	0.0375	17,990	49	367	8	1,600	4,176	85
22	564	27.5	18,381	0.0375	18,955	41	462	8	1,600	4,176	102
23	408	26.5	18,381	0.0375	18,266	55	332	8	1,600	4,176	76
24	337	27.2	18,381	0.0375	18,749	68	276	8	1,600	4,176	61
25	399	26.9	18,381	0.0375	18,542	57	325	8	1,600	4,176	73
26	359	26.2	18,381	0.0375	18,059	62	291	8	1,600	4,176	67
27	381	24.9	18,381	0.0375	17,163	56	306	8	1,600	4,176	75
28	480	23.9	18,381	0.0375	16,474	43	383	8	1,600	4,176	97
29	296	25.3	18,381	0.0375	17,439	73	239	8	1,600	4,176	57
30	280	27.2	18,381	0.0375	18,749	82	229	8	1,600	4,176	51
31	266	25.6	18,381	0.0375	17,646	82	215	8	1,600	4,176	51