

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

County: Clatsop

Month/Year: Apr-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	PO	0.03	0.03	0.04
2	0.03	0.03	0.03	0.03	0.02	0.02	0.19
3	0.03	PO	PO	PO	PO	0.02	0.18
4	0.03	0.03	0.02	PO	PO	0.02	0.05
5	0.02	0.03	0.02	0.03	PO	PO	0.06
6	PO	PO	0.03	0.02	0.03	0.02	0.28
7	PO	PO	PO	0.02	0.02	0.02	0.05
8	0.03	0.02	0.03	0.03	0.02	0.03	0.15
9	0.02	0.03	0.03	PO	PO	PO	0.04
10	PO	PO	PO	PO	PO	PO	PO
11	PO	PO	PO	PO	0.04	0.02	0.04
12	0.02	0.02	0.03	0.02	0.02	0.02	0.05
13	0.02	0.02	0.02	0.02	0.02	0.02	0.47
14	0.02	0.02	0.02	0.03	0.02	0.02	0.05
15	0.02	0.02	0.02	0.02	0.02	0.02	0.67
16	0.02	0.03	0.02	PO	PO	0.03	0.03
17	0.03	0.03	0.03	PO	PO	PO	0.44
18	PO	PO	PO	PO	PO	PO	PO
19	PO	PO	PO	PO	PO	PO	PO
20	PO	PO	PO	0.02	0.02	0.02	PO
21	PO	PO	PO	0.02	0.02	0.02	0.08
22	0.02	0.03	0.02	0.02	0.02	0.03	0.07
23	PO	PO	PO	PO	PO	PO	PO
24	PO	PO	PO	PO	0.03	0.03	0.06
25	0.03	0.03	0.03	0.02	0.03	0.02	0.65
26	0.03	0.03	PO	PO	0.03	0.03	0.19
27	0.02	PO	PO	PO	PO	PO	0.09
28	0.02	0.02	0.06	0.02	0.02	PO	0.14
29	PO	PO	PO	PO	0.02	0.02	0.13
30	0.02	0.02	0.02	PO	PO	PO	0.84
31							

Slow Sand/Membrane/DE Filtration/Unfiltered		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? ²	Yes/No <input checked="" type="radio"/> Yes / <input type="radio"/> 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 <input checked="" type="radio"/> Yes / <input type="radio"/> No	Yes/No <input checked="" type="radio"/> Yes / <input type="radio"/> No	Yes/No <input checked="" type="radio"/> Yes / <input type="radio"/> No
Notes:		PRINTED NAME: Matthew R. Gardner	
		SIGNATURE: <i>[Signature]</i>	
		DATE: 5/3/23	CERT #: T-09382
		PHONE #: 503,436,2790	CERT #: T-09383

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.

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WTP- : A

System Name: Arch Cape Water District ID#: 41 00802 Month/Year: Apr-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	0.85	355	301.5	8.0	7.20	23.2		59
2	0.85	208	176.7	7.9	7.18	23.2		104
3	0.82	279	228.6	7.8	6.97	21.6		80
4	0.8	263	210.7	7.6	7.02	22.2		86
5	0.8	284	227.2	7.6	7.05	22.5		80
6	0.8	262	209.5	7.8	7.13	22.8		82
7	0.79	240	189.7	8.2	7.23	23.0		88
8	0.79	292	230.7	8.1	7.20	22.9		74
9	0.8	219	175.0	8.4	7.16	22.2		101
10	0.83	248	205.7	8.8	7.18	21.8		80
11	0.87	220	191.2	8.7	7.14	21.7		83
12	0.85	223	189.9	8.6	7.20	22.3		81
13	0.83	224	185.6	8.7	7.16	21.8		84
14	0.8	132	105.7	8.5	7.16	22.0		138
15	0.86	230	197.5	9.0	7.18	21.6		89
16	0.84	271	227.8	9.2	7.15	21.0		82
17	0.82	324	265.3	8.9	7.16	21.5		70
18	0.79	285	224.8	8.8	7.14	21.4		75
19	0.78	260	202.8	8.6	7.12	21.5		72
20	0.77	239	183.8	8.4	7.10	21.6		79
21	0.76	244	185.4	8.6	7.12	21.5		79
22	0.76	311	236.2	8.7	7.10	21.2		68
23	0.74	316	234.2	9.0	7.08	20.6		67
24	0.73	261	190.8	9.1	7.14	20.8		74
25	0.78	271	211.3	9.2	7.14	20.8		77
26	0.8	253	202.3	9.4	7.12	20.5		89
27	0.8	287	229.5	9.5	7.16	20.6		78
28	0.8	299	238.9	9.8	7.10	19.8		74
29	0.79	262	207.0	10.4	7.08	18.9		83
30	0.83	292	242.5	11.0	7.09	18.3		78
31		#DIV/0!	#DIV/0!			4.2		

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)	Length (ft)	Pipe Volume (gal) (baffling = 1)	Pipe Contact Time (min)
1	355	24.3	18,381	0.0375	16,750	59	284	8	1,600	4,176	71
2	208	25.3	18,381	0.0375	17,439	104	168	8	1,600	4,176	40
3	279	26.3	18,381	0.0375	18,128	80	227	8	1,600	4,176	52
4	263	26.8	18,381	0.0375	18,473	86	215	8	1,600	4,176	49
5	284	26.9	18,381	0.0375	18,542	80	232	8	1,600	4,176	52
6	262	26.1	18,381	0.0375	17,301	82	211	8	1,600	4,176	51
7	240	24.6	18,381	0.0375	16,956	88	193	8	1,600	4,176	47
8	292	25.3	18,381	0.0375	17,439	74	236	8	1,600	4,176	56
9	219	26	18,381	0.0375	17,921	101	177	8	1,600	4,176	41
10	248	22.7	18,381	0.0375	15,647	80	196	8	1,600	4,176	52
11	220	20.4	18,381	0.0375	14,061	83	169	8	1,600	4,176	50
12	223	20.2	18,381	0.0375	13,924	81	172	8	1,600	4,176	52
13	224	21.2	18,381	0.0375	14,613	84	174	8	1,600	4,176	50
14	132	20.4	18,381	0.0375	14,061	138	102	8	1,600	4,176	30
15	230	23.6	18,381	0.0375	16,267	89	183	8	1,600	4,176	47
16	271	26.2	18,381	0.0375	18,059	82	220	8	1,600	4,176	51
17	324	26.8	18,381	0.0375	18,473	70	264	8	1,600	4,176	60
18	285	24.9	18,381	0.0375	17,163	75	229	8	1,600	4,176	56
19	260	21.1	18,381	0.0375	14,544	72	202	8	1,600	4,176	58
20	239	21.3	18,381	0.0375	14,682	79	186	8	1,600	4,176	53
21	244	21.9	18,381	0.0375	15,095	79	191	8	1,600	4,176	53
22	311	24.6	18,381	0.0375	16,956	68	249	8	1,600	4,176	61
23	316	24.7	18,381	0.0375	17,025	67	254	8	1,600	4,176	62
24	261	22	18,381	0.0375	15,164	74	205	8	1,600	4,176	56
25	271	24.2	18,381	0.0375	16,681	77	217	8	1,600	4,176	54
26	253	26.6	18,381	0.0375	18,335	89	206	8	1,600	4,176	47
27	287	26.4	18,381	0.0375	18,197	78	233	8	1,600	4,176	54
28	299	26	18,381	0.0375	17,921	74	242	8	1,600	4,176	56
29	262	25.5	18,381	0.0375	17,577	83	212	8	1,600	4,176	50
30	292	27	18,381	0.0375	18,611	78	239	8	1,600	4,176	54
31	#DIV/0!		18,381	0.0375	0		#DIV/0!	8	1,600	4,176	#DIV/0!