

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

County: **Clatsop**

Month/Year: **Jan-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 ¹ [NTU]
1	0.03	0.03	0.03	0.03	PO	PO	0.04
2	0.03	0.03	0.03	0.04	0.04	PO	0.31
3	PO	PO	PO	PO	PO	PO	PO
4	PO	PO	PO	PO	0.03	0.03	0.07
5	0.03	0.03	0.03	PO	0.04	0.04	0.70
6	PO	PO	PO	PO	PO	PO	PO
7	PO	PO	PO	PO	PO	PO	PO
8	PO	PO	PO	PO	PO	PO	PO
9	PO	PO	PO	PO	PO	PO	PO
10	PO	PO	PO	0.03	0.03	0.03	0.08
11	0.03	0.03	PO	PO	PO	PO	0.03
12	PO	PO	PO	PO	PO	PO	PO
13	PO	PO	PO	PO	PO	PO	PO
14	PO	PO	PO	0.03	0.03	0.03	0.06
15	0.03	0.03	0.03	0.03	0.03	0.04	0.04
16	0.04	0.04	0.03	0.03	0.03	0.03	0.09
17	0.03	0.03	0.03	0.03	0.03	0.03	0.04
18	0.03	0.03	0.03	0.03	0.03	0.03	0.06
19	0.03	0.03	0.03	0.04	0.04	0.04	1.04
20	0.08	PO	PO	PO	PO	PO	0.08
21	PO	PO	PO	0.04	0.04	0.04	0.04
22	0.04	0.04	0.04	0.04	0.04	0.04	0.04
23	0.04	PO	PO	PO	PO	0.03	0.04
24	0.03	0.03	PO	PO	PO	PO	0.07
25	PO	PO	0.04	0.04	0.04	0.04	0.84
26	PO	PO	0.04	0.04	PO	PO	2.40
27	PO	PO	PO	0.04	0.04	0.04	0.04
28	0.04	0.04	0.04	PO	PO	PO	0.04
29	PO	PO	PO	0.04	0.04	0.04	0.42
30	0.04	PO	PO	PO	PO	PO	0.04
31	PO	PO	PO	0.03	0.03	0.03	1.60

Slow Sand/Membrane/DE Filtration/Unfiltered

95% of daily turbidity readings \leq 1 NTU? ² 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 Chick**
 SIGNATURE: *Phil Chick* DATE: **2-3-22**
 PHONE #: **(503) 436-2790** CERT #: **T:08177**
D:08178

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.

OHA - Drinking Water Program - Surface Water Quality Data Form

County: Clatsop

WTP-: A

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

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	0.87	231	201.1	6.4	7.24	26.2	YES	98
2	0.85	246	209.0	6.4	7.20	25.8		
3	0.85	296	251.7	6.8	7.17	24.9		
4	0.85	293	249.3	6.9	7.22	25.1		
5	0.74	278	205.7	6.5	7.20	25.3		
6	0.74	308	228.2	7.3	7.18	23.8		
7	0.85	289	245.7	7.6	7.18	23.7		
8	0.93	155	143.9	7.6	7.08	23.0		
9	1.02	252	257.0	7.6	7.09	23.4		
10	0.99	228	226.1	7.4	7.14	24.0		
11	1.01	282	284.7	8.3	7.18	23.0		
12	0.89	211	187.7	9.1	7.13	21.2		
13	0.85	214	182.2	9.5	7.12	20.4		
14	0.83	216	179.5	9.8	7.11	19.9		
15	0.76	165	125.4	9.2	7.17	21.0		
16	0.74	199	147.0	9.2	7.10	20.4		
17	0.76	175	133.0	9.1	7.04	20.2		
18	0.8	282	225.3	9.2	7.15	20.9		
19	0.81	289	234.2	9.3	7.45	23.1		
20	0.78	346	270.2	9.6	7.25	21.1		
21	0.76	320	243.0	9.6	7.23	20.9		
22	0.85	248	211.2	9.1	7.20	21.6		
23	0.87	291	253.6	9.1	7.17	21.4		
24	0.84	287	240.8	9.0	7.11	21.0		
25	0.86	313	269.4	8.6	7.00	20.8		
26	0.87	338	294.0	8.6	7.10	21.6		
27	0.85	365	310.1	8.7	7.21	22.2		
28	0.87	320	278.4	8.6	7.16	22.0		
29	0.85	294	250.1	8.5	7.18	22.3		
30	0.84	281	235.6	8.4	7.13	22.0		
31	0.85	303	257.9	8.5	7.18	22.3		

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	231	26.8	18,381	0.0375	18,473	98	188	8	1,600	4,176	43
2	246	26.4	18,381	0.0375	18,197	91	200	8	1,600	4,176	46
3	296	25.3	18,381	0.0375	17,439	73	239	8	1,600	4,176	57
4	293	23.3	18,381	0.0375	16,060	69	233	8	1,600	4,176	61
5	278	25.8	18,381	0.0375	17,784	79	225	8	1,600	4,176	53
6	308	25.7	18,381	0.0375	17,715	71	250	8	1,600	4,176	59
7	289	23.3	18,381	0.0375	16,060	70	229	8	1,600	4,176	60
8	155	21.1	18,381	0.0375	14,544	121	120	8	1,600	4,176	35
9	252	18.8	18,381	0.0375	12,959	68	191	8	1,600	4,176	61
10	228	16.8	18,381	0.0375	11,580	69	168	8	1,600	4,176	61
11	282	19.3	18,381	0.0375	13,303	62	215	8	1,600	4,176	67
12	211	17.2	18,381	0.0375	11,856	76	156	8	1,600	4,176	55
13	214	15.4	18,381	0.0375	10,615	69	154	8	1,600	4,176	61
14	216	13.4	18,381	0.0375	9,236	62	149	8	1,600	4,176	67
15	165	15	18,381	0.0375	10,339	88	117	8	1,600	4,176	47
16	199	17	18,381	0.0375	11,718	80	146	8	1,600	4,176	52
17	175	17.8	18,381	0.0375	12,269	94	131	8	1,600	4,176	44
18	282	20.5	18,381	0.0375	14,130	65	217	8	1,600	4,176	64
19	289	23.3	18,381	0.0375	16,060	70	229	8	1,600	4,176	60
20	346	24.6	18,381	0.0375	16,956	61	278	8	1,600	4,176	68
21	320	22.7	18,381	0.0375	15,647	62	252	8	1,600	4,176	67
22	248	25.3	18,381	0.0375	17,439	87	200	8	1,600	4,176	48
23	291	26.5	18,381	0.0375	18,266	77	237	8	1,600	4,176	54
24	287	26.8	18,381	0.0375	18,473	79	234	8	1,600	4,176	53
25	313	25.3	18,381	0.0375	17,439	69	253	8	1,600	4,176	61
26	338	26.3	18,381	0.0375	18,128	66	275	8	1,600	4,176	63
27	365	25.7	18,381	0.0375	17,715	60	295	8	1,600	4,176	70
28	320	26.9	18,381	0.0375	18,542	71	261	8	1,600	4,176	59
29	294	25.1	18,381	0.0375	17,301	73	237	8	1,600	4,176	57
30	281	26.5	18,381	0.0375	18,266	80	228	8	1,600	4,176	52
31	303	25.2	18,381	0.0375	17,370	71	245	8	1,600	4,176	59