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

County: Clatsop
Month/Year: May-21
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	0.02	PO	PO	0.15
2	PO	PO	PO	PO	PO	PO	PO
3	PO	PO	PO	0.02	0.02	0.03	0.10
4	PO	PO	PO	0.02	0.39	0.03	1.46
5	0.02	PO	PO	PO	PO	PO	0.13
6	PO	PO	PO	PO	PO	0.02	0.38
7	0.02	0.02	0.02	0.02	PO	PO	0.21
8	PO	PO	PO	0.03	0.03	0.03	0.33
9	PO	PO	PO	0.03	0.02	PO	0.26
10	PO	PO	PO	PO	PO	PO	PO
11	PO	PO	PO	PO	0.02	0.02	0.85
12	0.02	0.03	0.03	0.03	PO	PO	0.62
13	PO	PO	PO	PO	PO	PO	PO
14	PO	PO	PO	0.03	0.03	0.03	0.85
15	0.03	0.03	PO	PO	PO	PO	0.03
16	PO	PO	PO	PO	0.03	0.03	0.83
17	0.02	0.03	0.02	0.02	PO	PO	0.42
18	PO	PO	PO	PO	0.03	0.03	2.10
19	PO	PO	PO	PO	PO	PO	PO
20	PO	PO	PO	0.03	0.04	PO	0.50
21	PO	PO	PO	0.03	0.03	0.03	0.65
22	PO	PO	PO	PO	0.03	0.03	0.24
23	0.03	PO	PO	PO	PO	PO	PO
24	PO	PO	PO	0.03	0.03	0.03	0.58
25	0.03	0.03	PO	PO	PO	0.03	0.31
26	0.02	PO	PO	0.02	0.03	PO	0.21
27	PO	PO	PO	PO	PO	PO	PO
28	PO	PO	PO	0.03	0.03	0.03	1.20
29	0.03	0.03	PO	PO	PO	0.03	0.03
30	0.03	PO	0.03	0.03	0.03	0.03	0.98
31	0.03	PO	PO	PO	PO	PO	0.10

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) (Yes) No

All Cl2 residual at entry point ≥ 0.2 mg/l? (Yes) No

Notes:

PRINTED NAME: Phil Chick

SIGNATURE: Phil Chick **DATE:** 6.8.21

PHONE #: (503) 436-2790 **CERT #:** D: 08178 T: 08177

[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

System Name:	Arch Cape Water District	**ID#:** 41	00802	**Month/Year:**	May-21	**County:**	Clatsop
						WTP- :	A
						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	0.84	269	226.3	11.7	6.85	16.1	YES	81
2	0.84	239	200.8	11.8	6.99	16.8		91
3	0.81	258	209.3	11.8	6.83	15.9		81
4	0.81	343	277.9	12.0	6.68	14.9		62
5	0.8	287	229.5	11.8	6.74	15.4		78
6	0.79	283	223.3	11.9	6.96	16.5		75
7	0.79	264	208.6	12.0	6.90	16.0		85
8	0.81	257	208.1	11.8	6.87	16.1		86
9	0.82	248	203.6	12.0	6.82	15.7		89
10	0.81	266	215.6	12.0	6.90	16.1		82
11	0.8	290	232.1	12.1	6.95	16.2		70
12	0.81	284	230.2	12.3	6.68	14.6		78
13	0.8	285	228.2	12.4	6.69	14.6		76
14	0.79	233	184.1	12.4	6.93	15.8		88
15	0.87	254	220.7	12.5	6.69	14.1		89
16	0.84	258	216.5	12.4	6.71	14.7		82
17	0.87	300	261.4	12.7	6.95	15.4		74
18	0.84	260	218.2	12.5	6.94	15.5		84
19	0.83	322	267.5	12.5	6.87	15.0		69
20	0.8	287	229.3	12.5	6.85	14.9		73
21	0.84	255	214.0	12.5	6.87	15.1		87
22	0.85	235	199.6	12.5	6.91	15.3		95
23	0.83	214	177.9	12.6	6.91	15.2		105
24	0.84	243	203.7	12.7	6.92	15.1		86
25	0.85	280	238.4	12.6	6.67	13.9		81
26	0.8	291	233.2	12.6	6.97	15.5		77
27	0.8	303	242.2	12.6	6.90	15.1		73
28	0.76	223	169.3	12.7	6.85	14.6		93
29	0.83	281	233.5	12.6	6.87	14.9		80
30	0.83	259	214.8	12.6	6.81	14.6		87
31	0.87	227	197.6	13.0	6.49	12.7		100

[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	**269**	25.6	18,381	0.0375	17,646	81	218	8	1,600	4,176	52
2	**239**	25.5	18,381	0.0375	17,577	91	193	8	1,600	4,176	46
3	**258**	24.3	18,381	0.0375	16,750	81	207	8	1,600	4,176	52
4	**343**	24.8	18,381	0.0375	17,094	62	276	8	1,600	4,176	67
5	**287**	26.4	18,381	0.0375	18,197	78	233	8	1,600	4,176	54
6	**283**	24.7	18,381	0.0375	17,025	75	227	8	1,600	4,176	56
7	**264**	26.5	18,381	0.0375	18,266	85	215	8	1,600	4,176	49
8	**257**	26	18,381	0.0375	17,921	86	208	8	1,600	4,176	49
9	**248**	26	18,381	0.0375	17,921	89	201	8	1,600	4,176	47
10	**266**	25.6	18,381	0.0375	17,646	82	215	8	1,600	4,176	51
11	**290**	23.4	18,381	0.0375	16,129	70	230	8	1,600	4,176	60
12	**284**	26.1	18,381	0.0375	17,990	78	231	8	1,600	4,176	54
13	**285**	25.4	18,381	0.0375	17,508	76	230	8	1,600	4,176	55
14	**233**	23.7	18,381	0.0375	16,336	88	186	8	1,600	4,176	47
15	**254**	26.7	18,381	0.0375	18,404	89	207	8	1,600	4,176	47
16	**258**	24.6	18,381	0.0375	16,956	82	207	8	1,600	4,176	51
17	**300**	26.2	18,381	0.0375	18,059	74	244	8	1,600	4,176	56
18	**260**	25.6	18,381	0.0375	17,646	84	210	8	1,600	4,176	50
19	**322**	26.2	18,381	0.0375	18,059	69	262	8	1,600	4,176	61
20	**287**	24.3	18,381	0.0375	16,750	73	229	8	1,600	4,176	57
21	**255**	26.1	18,381	0.0375	17,990	87	207	8	1,600	4,176	48
22	**235**	26.3	18,381	0.0375	18,128	95	191	8	1,600	4,176	44
23	**214**	26.6	18,381	0.0375	18,335	105	175	8	1,600	4,176	40
24	**243**	24.2	18,381	0.0375	16,681	86	194	8	1,600	4,176	49
25	**280**	26.9	18,381	0.0375	18,542	81	229	8	1,600	4,176	52
26	**291**	26.5	18,381	0.0375	18,266	77	237	8	1,600	4,176	54
27	**303**	26	18,381	0.0375	17,921	73	245	8	1,600	4,176	57
28	**223**	24	18,381	0.0375	16,543	93	178	8	1,600	4,176	45
29	**281**	26.6	18,381	0.0375	18,335	80	229	8	1,600	4,176	52
30	**259**	26.6	18,381	0.0375	18,335	87	211	8	1,600	4,176	48
31	**227**	26.9	18,381	0.0375	18,542	100	185	8	1,600	4,176	42