

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

County: **Multnomah**

System Name:	Corbett Water District			ID#: 41	00359	WTP - : A	Month/Year:	February-21
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]	
2/1/21	0.063	0.059	0.057	0.057	0.059	0.063	0.0630	
2/2/21	0.062	0.059	0.058	0.057	0.06	0.067	0.0670	
2/3/21	0.065	0.06	0.06	0.057	0.059	0.063	0.0650	
2/4/21	0.061	0.058	0.056	0.055	0.057	0.061	0.0610	
2/5/21	0.059	0.057	0.057	0.057	0.059	0.064	0.0640	
2/6/21	0.064	0.061	0.059	0.059	0.062	0.068	0.0680	
2/7/21	0.065	0.06	0.059	0.059	0.064	0.071	0.0710	
2/8/21	0.068	0.063	0.06	0.059	0.064	0.074	0.0740	
2/9/21	0.072	0.063	0.06	0.059	0.061	0.066	0.0720	
2/10/21	0.064	0.059	0.058	0.057	0.061	0.07	0.0700	
2/11/21	0.068	0.061	0.058	0.057	0.06	0.065	0.0680	
2/12/21	0.063	0.059	0.057	0.056	0.056	0.059	0.0630	
2/13/21	0.059	0.057	0.055	0.055	0.055	0.056	0.0590	
2/14/21	0.055	0.054	0.054	0.053	0.055	0.057	0.0570	
2/15/21	0.055	0.054	0.054	0.054	0.055	0.056	0.0560	
2/16/21	0.056	0.056	0.055	0.055	0.057	0.061	0.0610	
2/17/21	0.06	0.058	0.057	0.056	0.062	0.072	0.0720	
2/18/21	0.067	0.06	0.057	0.056	0.058	0.062	0.0670	
2/19/21	0.06	0.057	0.056	0.055	0.058	0.067	0.0670	
2/20/21	0.066	0.061	0.059	0.058	0.062	0.069	0.0690	
2/21/21	0.066	0.061	0.058	0.057	0.059	0.061	0.0660	
2/22/21	0.06	0.058	0.057	0.057	0.06	0.06	0.0600	
2/23/21	0.059	0.058	0.058	0.057	0.058	0.062	0.0620	
2/24/21	0.065	0.061	0.064	0.059	0.063	0.074	0.0740	
2/25/21	0.07	0.062	0.058	0.056	0.058	0.061	0.0700	
2/26/21	0.058	0.057	0.056	0.055	0.059	0.064	0.0640	
2/27/21	0.061	0.057	0.055	0.054	0.058	0.062	0.0620	
2/28/21	0.059	0.056	0.054	0.053	0.058	0.062	0.0620	
Slow Sand/ 95% of daily turbidity readings $\leq$ 1 NTU? ² Yes All daily turbidity readings $\leq$ 5 NTU? Yes				Monthly Summary (Answer Yes or No) CT's met everyday? (see back) Yes All Cl2 residual at entry point $\geq$ 0.2 mg/l? Yes				
Reservoir segment no longer credited due to closed but available bypass and unreliable level maintenance, closed but available bypass on clearwell is scheduled for removal in the next month or so.				SIGNATURE: <i>Thomas Edwards</i>				
				Printed Name: Thomas Edwards		3/8/21		
				PHONE #: (503) 695-2284		CERT #: 258731		

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.

Date / Time	Cl ₂ Residual after Clearwell (C) ^{3,4}	Peak Hourly Demand Flow -Cwell	Contact Time - CWell (T) ⁴	Actual CT - Cwell	Cl ₂ Residual after Reservoir (C) ^{3,4}	Peak Hourly Demand Flow - Reserv.	Contact Time - Reserv. (T) ⁴	Actual CT - Reserv.	lowest Temp after Res	highest pH after Res	Required CT	Actual CT Cwell + Actual CT Res	(Act CT Cwell + Act CT Res) / Req CT	CT Met? (Act CT Cwell & Res / Req CT > 1.0?) ³
	[ppm or mg/L]	[GPM]	[minutes]	C X T	[ppm or mg/L]	[GPM]	[minutes]	C X T	[° C]		formula			Yes / No
2/1/21	1.19	0.645	217.30919	258.60	not used				6.13	7.40	60.39	258.60	4.28	YES
2/2/21	1.23	0.574	217.32028	267.30					6.38	7.44	57.57	267.30	4.64	YES
2/3/21	0.43	0.631	217.31137	93.44					6.28	7.51	55.32	93.44	1.69	YES
2/4/21	1.14	0.594	217.31716	247.74					5.69	7.60	58.37	247.74	4.24	YES
2/5/21	0.39	0.631	217.31137	84.75					5.76	7.70	57.94	84.75	1.46	YES
2/6/21	1.13	0.527	217.32763	245.58					6.01	7.70	57.38	245.58	4.28	YES
2/7/21	1.14	0.611	217.3145	247.74					6.26	7.66	57.84	247.74	4.28	YES
2/8/21	1.27	0.535	217.32638	276.00					6.12	7.75	47.18	276.00	5.85	YES
2/9/21	1.27	0.599	217.31638	275.99					5.73	7.88	62.21	275.99	4.44	YES
2/10/21	0*	0.547	217.3245	#VALUE!					5.08	7.97	62.53	#VALUE!	#VALUE!	#VALUE!
2/11/21	1.38	0.597	217.31669	299.90					4.98	7.80	61.70	299.90	4.86	YES
2/12/21	1.39	0.63	217.31153	302.06					4.57	7.63	59.01	302.06	5.12	YES
2/13/21	0.51	0.658	217.30715	110.83					3.74	7.73	54.79	110.83	2.02	YES
2/14/21	0.51	0.659	217.307	110.83					3.11	7.72	56.58	110.83	1.96	YES
2/15/21	0.48	0.678	217.30403	104.31					3.56	7.36	58.23	104.31	1.79	YES
2/16/21	1.29	0.747	217.29324	280.31					3.97	7.25	58.00	280.31	4.83	YES
2/17/21	1.25	0.658	217.30715	271.63					4.30	7.38	58.61	271.63	4.63	YES
2/18/21	0*	0.689	217.30231	#VALUE!					4.68	7.51	57.79	#VALUE!	#VALUE!	#VALUE!
2/19/21	1.43	0.641	217.30981	310.75					4.82	7.46	59.46	310.75	5.23	YES
2/20/21	1.27	0.629	217.31169	275.99					5.00	7.46	55.53	275.99	4.97	YES
2/21/21	0.83	0.684	217.30309	180.36					5.16	7.37	66.76	180.36	2.70	YES
2/22/21	1.33	0.659	217.307	289.02					5.28	7.38	64.54	289.02	4.48	YES
2/23/21	1.28	0.673	217.30481	278.15					5.64	7.57	62.06	278.15	4.48	YES
2/24/21	0*	0.577	217.31981	#VALUE!					5.65	7.49	64.31	#VALUE!	#VALUE!	#VALUE!
2/25/21	1.3	0.608	217.31497	282.51					5.49	7.51	63.04	282.51	4.48	YES
2/26/21	0.57	0.601	217.31606	123.87					5.40	7.45	63.92	123.87	1.94	YES
2/27/21	1.38	0.546	217.32466	299.91					5.33	7.50	64.49	299.91	4.65	YES
2/28/21	1.37	0.604	217.31559	297.72					5.39	7.49	63.00	297.72	4.73	YES

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, DWS to be notified within 24 hours. ⁴ Chlorine residual and contact time to be determined during peak hourly demand flow of clearwell and reservoir.

Revised February 2012

*The CL₂ at residual for 2/10/21, 2/18/21 and 2/24/21 is due to a issue with the back up power generator shutting off the plant temporarily to include the chlorine analyzers its not the actually CL₂ residual.

The back up power generator caused the treatment plant equipment to go off line and it put the plant in stop mode this shut off our chlorine analyzers

When the line power was restored the analyzers came back on.

		Clearwell CL2 Pre-Power loss			Clearwell CL2 Post-Power loss	
		Time	FAC		Time	FAC
2/10/2021		8:25	1.5		9:07	1.4
2/18/2021		9:48	1.3		10:09	1.3
2/24/2021		8:29	1.4		9:58	1.4

There was a power loss at generator start up and generator shutdown, whenever the load transferred

*The extended outage on the 24th was due to the generator mechanic working on the transfer switch