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

County: Linn
Month/Year: 1/2022

System Name: Lebanon, City of | **ID#:** 41-00473 | **Membrane**

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	0.015	0.015	0.015	0.015	0.015	0.015	0.015
2	OFF	OFF	OFF	OFF	OFF	OFF	Plant Offline
3	OFF	OFF	0.013	0.015	0.015	0.015	0.037
4	0.015	0.015	0.013	OFF	OFF	OFF	0.015
5	OFF	OFF	OFF	OFF	0.013	0.015	0.035
6	0.015	0.015	0.015	OFF	OFF	OFF	0.017
7	OFF	OFF	OFF	0.015	0.015	0.015	0.031
8	0.015	0.015	0.015	0.015	0.013	0.015	0.016
9	OFF	OFF	OFF	OFF	OFF	OFF	Plant Offline
10	OFF	OFF	OFF	0.015	0.013	0.015	0.064
11	0.013	0.015	0.015	OFF	OFF	OFF	0.015
12	OFF	OFF	OFF	0.013	0.015	0.013	0.059
13	0.015	0.013	0.013	OFF	OFF	OFF	0.015
14	OFF	OFF	OFF	OFF	0.013	0.015	0.067
15	0.015	0.015	OFF	0.015	0.015	0.015	0.017
16	OFF	OFF	OFF	OFF	OFF	OFF	Plant Offline
17	OFF	OFF	OFF	OFF	0.013	0.015	0.039
18	0.015	0.015	0.013	OFF	OFF	OFF	0.015
19	OFF	OFF	OFF	OFF	0.013	0.015	0.030
20	0.015	0.013	0.013	OFF	OFF	OFF	0.015
21	OFF	OFF	OFF	OFF	0.013	0.013	0.034
22	0.013	0.013	0.013	0.013	0.013	0.013	0.013
23	OFF	OFF	OFF	OFF	OFF	OFF	Plant Offline
24	OFF	OFF	OFF	0.013	0.013	0.013	0.037
25	0.013	0.013	0.013	OFF	OFF	OFF	0.013
26	OFF	OFF	OFF	OFF	0.013	0.013	0.032
27	0.013	0.013	0.013	OFF	OFF	OFF	0.013
28	OFF	OFF	OFF	OFF	0.013	0.013	0.046
29	0.013	0.013	0.013	0.013	0.013	0.013	0.013
30	OFF	OFF	OFF	OFF	OFF	OFF	Plant Offline
31	OFF	OFF	OFF	0.013	0.013	0.013	0.039

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?	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 5 NTU?	Yes / No	Yes / No	Yes / No

Notes: OFF = PLANT OFF

PRINTED NAME: Chris Germond
SIGNATURE: Chris Germond **DATE:** 2/8/2022
PHONE #: 541-258-4274 **CERT #:** T-08682

[1] Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM correspond to continuous readings' maximum. [2] Filtered systems only.

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP:	WTP-B
Disinfection *Giardia* Log Inactive:	0.5

System Name: Lebanon, CITY OF ID#: 41-00473 Month/Year: 1/2022

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]
1/1/2022 4:28	1.1	67	71	9	7.7	27	Yes	3138
1/2/2022 0:00	Plant Offline	-	-	-	-	-	-	-
1/3/2022 7:11	0.9	75	67	11	7.8	24	Yes	3204
1/4/2022 0:37	1.1	68	71	9	7.7	27	Yes	3123
1/5/2022 13:21	0.9	65	60	11	7.7	24	Yes	3244
1/6/2022 7:56	1.1	66	74	10	7.6	25	Yes	3234
1/7/2022 8:19	0.9	94	84	10	7.6	23	Yes	2336
1/8/2022 0:48	1.1	89	97	10	7.9	27	Yes	2489
1/9/2022 0:00	Plant Offline	-	-	-	-	-	-	-
1/10/2022 9:00	0.9	63	54	11	7.8	24	Yes	3360
1/11/2022 1:21	1.2	60	70	9	7.7	26	Yes	3290
1/12/2022 12:05	0.9	62	58	11	7.7	23	Yes	3226
1/13/2022 7:19	1.1	58	67	10	7.8	27	Yes	3238
1/14/2022 15:00	1.0	72	69	10	7.9	25	Yes	2893
1/15/2022 10:25	1.1	61	67	10	7.9	27	Yes	3257
1/16/2022 0:00	Plant Offline	-	-	-	-	-	-	-
1/17/2022 13:55	0.9	61	57	11	7.8	24	Yes	3367
1/18/2022 10:56	1.1	58	66	9	7.9	28	Yes	3292
1/19/2022 14:33	1.0	69	67	11	7.9	25	Yes	3359
1/20/2022 2:56	1.1	71	75	10	7.9	26	Yes	3279
1/21/2022 15:09	0.9	65	55	10	7.9	27	Yes	3349
1/22/2022 19:52	1.1	64	71	9	7.9	29	Yes	3266
1/23/2022 0:00	Plant Offline	-	-	-	-	-	-	-
1/24/2022 9:09	0.9	63	58	10	8.1	28	Yes	3414
1/25/2022 9:50	1.1	65	71	8	7.8	30	Yes	3247
1/26/2022 14:28	1.0	61	61	9	7.8	28	Yes	3357
1/27/2022 2:00	1.1	61	69	8	7.8	31	Yes	3312
1/28/2022 13:56	1.0	78	77	8	7.8	28	Yes	2698
1/29/2022 0:35	1.1	67	75	8	7.9	32	Yes	3212
1/30/2022 0:00	Plant Offline	-	-	-	-	-	-	-
1/31/2022 11:17	1.0	61	59	9	8.0	30	Yes	3360

[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

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Notes:

1/10/2022	Highest NTU of the day 0.064 caused by UF2 coming in to production from shutdown.
1/12/2022	Highest NTU of the day 0.059 caused by UF2 coming in to production from shutdown.
1/14/2022	Highest NTU of the day 0.067 caused by UF2 coming in to production from shutdown.
1/28/2022	Highest NTU of the day 0.046 caused by UF4 coming in to production from shutdown.

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Notes:

1/1/2022	Finish CL-17 was not operating correctly 00:50 to 12:43 which shows 0 mg/L chlorine. Had
	issues with it 12/31/2021 not holding prime. Last acceptable reading on Finish CL-17 was
	1.23 mg/L at 22:10. When fixed Finish CL-17 read 1.15 mg/L and hand sample was 1.19 mg/L.
	For the time the Finish CL-17 wasn't reading the filtrate chlorine lowest reading was 0.95
	mg/L. We can assume that the finish chlorine residual was acceptable during that time
	according to the Filtrate CL-17. The lowest Filtrate CL-17 reading during the hour of highest
	finish flowrate 3138 gpm at 12:53 was 1.07 mg/L at 13:03.

Start Date 1/1/2022 End Date 1/31/2022

Lebanon WTP MIT / LRV Test Results Report UF 1

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV: Temp F	4.0 Pass / Fail	MIT Type
1 / 1	8 : 27	5.30	21.05	21.09	56.94	681.39	6.04	51.54	Pass	Feed
1 / 3	8 : 9	5.30	21.04	21.05	55.40	769.65	6.41	48.72	Pass	Feed
1 / 4	9 : 3	5.30	21.11	21.14	54.80	666.76	6.46	58.67	Pass	Feed
1 / 5	11 : 3	5.05	21.15	21.10	43.00	897.41	10.49	60.53	Pass	Feed
1 / 5	11 : 26	5.30	21.11	21.09	42.94	897.41	10.49	60.53	Pass	Feed
1 / 6	8 : 57	5.30	21.10	21.12	56.61	628.56	6.13	51.79	Pass	Feed
1 / 7	8 : 54	5.30	21.19	21.17	133.06	172.01	1.10	59.61	Pass	Feed
1 / 8	9 : 14	5.30	20.95	20.94	64.15	492.24	4.71	51.95	Pass	Feed
1 / 10	10 : 7	5.30	21.04	21.04	65.50	498.35	4.56	51.53	Pass	Feed
1 / 11	7 : 33	5.30	21.05	21.10	48.48	960.54	8.34	50.73	Pass	Feed
1 / 12	8 : 42	4.91	21.10	21.04	49.92	871.98	7.90	50.58	Pass	Feed
1 / 12	10 : 22	5.19	21.20	21.16	50.13	871.98	7.90	50.58	Pass	Feed
1 / 13	8 : 5	5.30	21.08	21.13	50.44	880.38	7.72	51.05	Pass	Feed
1 / 14	11 : 2	4.94	20.85	20.81	58.75	553.68	5.57	52.07	Pass	Feed
1 / 14	15 : 37	5.30	21.07	21.07	129.86	195.40	1.13	64.32	Pass	Feed
1 / 15	11 : 48	5.30	21.08	21.11	49.02	828.95	8.19	50.34	Pass	Feed
1 / 17	14 : 17	5.30	21.19	21.21	41.87	1118.31	11.31	51.11	Pass	Feed
1 / 18	7 : 43	5.30	21.23	21.27	50.00	840.21	7.95	51.25	Pass	Feed
1 / 19	8 : 18	5.30	21.17	21.21	47.78	850.61	8.59	55.82	Pass	Feed
1 / 20	8 : 27	5.30	21.22	21.24	54.19	957.52	6.76	51.92	Pass	Feed
1 / 21	8 : 46	5.23	21.15	21.11	61.83	718.00	5.16	51.80	Pass	Feed
1 / 22	7 : 20	5.30	21.23	21.23	54.38	839.86	6.78	46.86	Pass	Feed
1 / 24	10 : 46	5.30	21.18	21.22	51.75	894.24	7.48	45.69	Pass	Feed
1 / 25	7 : 58	5.30	21.24	21.30	52.00	924.27	7.45	45.48	Pass	Feed
1 / 26	9 : 44	5.16	21.14	21.10	48.33	929.26	8.55	45.39	Pass	Feed
1 / 27	7 : 20	5.30	21.25	21.31	55.51	869.11	6.56	44.35	Pass	Feed
1 / 28	7 : 22	5.00	20.98	20.93	48.63	885.36	8.34	44.37	Pass	Feed
1 / 29	7 : 19	5.30	21.03	21.07	59.40	666.48	5.62	43.81	Pass	Feed
1 / 31	10 : 40	4.87	21.05	20.99	54.56	837.97	6.66	45.51	Pass	Feed
1 / 31	16 : 3	5.30	21.13	21.19	47.56	936.86	8.82	45.79	Pass	Feed

Start Date 1/1/2022 End Date 1/31/2022

Lebanon WTP MIT / LRV Test Results Report UF 2

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV: Temp F	4.0 Pass / Fail	MIT Type
1 / 1	7 : 18	5.30	21.01	21.05	61.06	727.98	5.24	50.92	Pass	Feed
1 / 3	9 : 40	5.30	21.16	21.20	67.67	634.60	4.35	47.66	Pass	Feed
1 / 4	8 : 27	5.30	21.15	21.19	60.18	667.54	5.37	59.32	Pass	Feed
1 / 5	10 : 15	5.30	20.96	20.93	46.85	846.73	8.70	60.53	Pass	Feed
1 / 6	7 : 26	5.30	21.16	21.19	47.48	841.44	8.76	51.58	Pass	Feed
1 / 7	8 : 26	5.30	21.03	21.02	113.81	221.29	1.48	59.61	Pass	Feed
1 / 8	7 : 56	5.30	21.15	21.18	65.90	495.01	4.54	51.94	Pass	Feed
1 / 10	9 : 45	5.30	21.03	21.04	108.98	282.30	1.61	64.37	Pass	Feed
1 / 11	8 : 46	5.30	21.06	21.10	51.59	905.21	7.38	49.99	Pass	Feed
1 / 12	9 : 6	5.30	21.17	21.14	52.88	848.62	7.09	50.34	Pass	Feed
1 / 13	7 : 42	5.30	21.08	21.12	53.11	868.44	6.96	50.89	Pass	Feed
1 / 14	9 : 7	5.30	21.01	20.98	65.59	566.86	4.53	51.98	Pass	Feed
1 / 15	11 : 22	5.30	21.10	21.13	54.61	828.47	6.61	50.28	Pass	Feed
1 / 17	13 : 53	5.30	21.16	21.17	123.99	228.48	1.26	61.85	Pass	Feed
1 / 18	8 : 28	5.30	21.23	21.28	58.23	793.62	5.86	51.50	Pass	Feed
1 / 19	8 : 47	5.30	21.16	21.13	52.96	858.28	7.00	54.97	Pass	Feed
1 / 20	7 : 42	5.30	21.20	21.24	52.43	876.59	7.21	51.86	Pass	Feed
1 / 21	8 : 17	5.30	21.18	21.16	55.13	698.85	6.51	51.80	Pass	Feed
1 / 22	8 : 11	5.30	21.13	21.17	51.70	827.73	7.44	46.84	Pass	Feed
1 / 24	9 : 19	5.30	21.14	21.13	111.40	270.96	1.58	55.38	Pass	Feed
1 / 25	8 : 31	5.30	21.11	21.16	53.77	889.99	6.89	45.46	Pass	Feed
1 / 26	8 : 20	5.30	21.20	21.22	50.55	885.91	7.86	45.42	Pass	Feed
1 / 27	7 : 42	5.30	21.21	21.26	67.81	798.75	4.38	44.37	Pass	Feed
1 / 28	7 : 52	5.30	21.12	21.09	61.54	864.41	5.27	44.37	Pass	Feed
1 / 29	8 : 34	5.30	21.07	21.11	68.66	663.49	4.22	43.83	Pass	Feed
1 / 31	10 : 15	5.30	21.12	21.09	60.06	835.75	5.53	45.52	Pass	Feed

Start Date	End Date
1/1/2022	1/31/2022

Lebanon WTP MIT / LRV Test Results Report UF 3

Month / Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV:	4.0	
								Temp F	Pass / Fail	MIT Type
1 / 1	7 : 41	5.30	21.25	21.28	64.82	638.82	4.74	51.73	Pass	Feed
1 / 3	7 : 27	5.30	21.10	21.12	153.35	165.93	0.83	57.19	Pass	Feed
1 / 4	7 : 36	5.30	21.28	21.32	59.58	663.78	5.53	59.93	Pass	Feed
1 / 5	8 : 34	5.30	21.27	21.30	54.03	836.40	6.71	60.53	Pass	Feed
1 / 6	7 : 48	5.30	21.15	21.18	81.97	573.54	2.94	51.76	Pass	Feed
1 / 7	7 : 58	5.30	21.19	21.18	71.72	621.62	3.85	51.71	Pass	Feed
1 / 8	7 : 17	5.30	21.16	21.21	79.63	485.98	3.11	52.05	Pass	Feed
1 / 10	9 : 8	5.30	21.23	21.24	162.02	170.80	0.74	64.37	Pass	Feed
1 / 11	7 : 56	5.30	21.11	21.15	63.02	860.46	4.96	50.72	Pass	Feed
1 / 12	9 : 47	5.30	21.28	21.28	62.15	879.19	5.18	50.58	Pass	Feed
1 / 13	8 : 49	5.30	21.07	21.12	61.40	878.75	5.21	51.22	Pass	Feed
1 / 14	8 : 32	5.30	21.20	21.18	61.73	878.75	5.21	51.22	Pass	Feed
1 / 15	11 : 1	5.30	21.13	21.17	137.21	195.16	1.03	60.45	Pass	Feed
1 / 17	15 : 9	5.30	21.25	21.29	59.91	884.91	5.56	50.62	Pass	Feed
1 / 18	8 : 3	5.30	21.24	21.28	61.73	846.08	5.22	51.41	Pass	Feed
1 / 19	9 : 12	5.30	21.22	21.21	58.59	844.70	5.74	55.91	Pass	Feed
1 / 20	7 : 20	5.30	21.21	21.25	57.49	878.02	6.00	51.86	Pass	Feed
1 / 21	7 : 51	5.30	21.18	21.17	63.93	691.50	4.84	51.80	Pass	Feed
1 / 22	7 : 46	5.30	20.97	21.02	58.69	849.55	5.70	46.84	Pass	Feed
1 / 24	9 : 45	5.30	21.13	21.15	57.95	861.36	5.91	47.93	Pass	Feed
1 / 25	9 : 37	5.30	21.24	21.29	56.81	924.59	6.24	45.40	Pass	Feed
1 / 26	9 : 21	5.30	21.05	21.05	59.66	861.55	5.57	45.43	Pass	Feed
1 / 27	8 : 5	5.30	21.20	21.25	61.18	822.76	5.37	44.37	Pass	Feed
1 / 28	8 : 29	5.30	21.18	21.16	58.06	778.41	5.95	44.38	Pass	Feed
1 / 29	7 : 44	5.30	21.22	21.26	66.50	667.69	4.56	43.79	Pass	Feed
1 / 31	9 : 51	5.30	21.15	21.13	59.60	842.50	5.62	45.52	Pass	Feed

Start Date 1/1/2022 End Date 1/31/2022

Lebanon WTP MIT / LRV Test Results Report UF 4

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV: Temp F	4.0 Pass / Fail	MIT Type
1 / 1	9 : 23	5.30	20.99	21.04	65.25	693.82	4.59	50.37	Pass	Feed
1 / 3	8 : 54	5.30	21.14	21.18	69.30	659.54	4.14	47.66	Pass	Feed
1 / 4	8 : 1	5.30	21.13	21.18	59.42	731.11	5.50	59.69	Pass	Feed
1 / 5	10 : 39	5.30	21.09	21.08	50.09	907.34	7.69	60.53	Pass	Feed
1 / 6	8 : 22	5.30	21.09	21.14	71.08	561.24	3.89	51.71	Pass	Feed
1 / 7	7 : 30	5.30	20.96	20.96	60.58	611.44	5.29	51.78	Pass	Feed
1 / 8	8 : 29	5.30	21.10	21.15	74.36	500.34	3.55	51.90	Pass	Feed
1 / 10	11 : 50	5.30	21.07	21.12	70.90	610.77	3.92	49.56	Pass	Feed
1 / 11	7 : 9	5.30	21.06	21.12	57.56	906.91	5.92	50.75	Pass	Feed
1 / 12	8 : 19	5.30	21.09	21.11	54.88	890.59	6.53	50.58	Pass	Feed
1 / 13	7 : 21	5.30	21.02	21.07	71.17	815.79	3.86	50.90	Pass	Feed
1 / 14	8 : 4	5.30	21.10	21.09	81.75	560.00	2.94	51.76	Pass	Feed
1 / 15	10 : 30	5.30	21.09	21.12	145.41	233.07	0.91	60.44	Pass	Feed
1 / 17	13 : 33	5.30	21.05	21.04	62.00	840.96	5.10	51.13	Pass	Feed
1 / 18	7 : 19	5.30	21.06	21.11	62.29	841.49	5.06	50.32	Pass	Feed
1 / 19	10 : 19	5.30	21.07	21.07	58.47	864.15	5.69	55.88	Pass	Feed
1 / 20	8 : 4	5.30	21.22	21.27	59.58	888.34	5.59	51.93	Pass	Feed
1 / 21	7 : 28	5.30	21.08	21.07	67.12	689.64	4.35	51.80	Pass	Feed
1 / 22	8 : 34	5.30	21.05	21.11	85.86	451.35	2.68	46.82	Pass	Feed
1 / 24	10 : 7	5.30	21.06	21.10	56.94	856.34	6.10	46.82	Pass	Feed
1 / 25	6 : 33	5.30	21.11	21.17	60.26	857.01	5.48	45.52	Pass	Feed
1 / 25	9 : 13	5.30	21.15	21.21	55.93	870.37	6.39	45.45	Pass	Feed
1 / 26	8 : 43	5.30	21.09	21.08	55.68	934.43	6.41	45.41	Pass	Feed
1 / 27	8 : 41	5.30	21.07	21.12	58.93	820.52	5.73	44.36	Pass	Feed
1 / 27	13 : 40	5.30	20.18	20.22	55.27	823.45	6.02	44.37	Pass	Feed
1 / 27	15 : 26	5.30	20.71	20.72	56.59	823.45	6.02	44.37	Pass	Feed
1 / 28	9 : 2	4.49	20.55	20.42	56.18	823.45	6.02	44.37	Pass	Feed
1 / 28	11 : 17	4.63	20.67	20.57	56.48	823.45	6.02	44.37	Pass	Feed
1 / 28	12 : 18	5.30	21.04	21.03	57.40	823.45	6.02	44.37	Pass	Feed
1 / 29	8 : 13	5.30	21.11	21.17	64.36	736.39	4.82	43.82	Pass	Feed
1 / 31	9 : 25	5.30	20.92	20.91	56.28	886.92	6.18	45.55	Pass	Feed