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

County: Linn
Month/Year: 3/2022

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	0.018	0.018	0.018	OFF	OFF	OFF	0.018
2	OFF	OFF	OFF	OFF	0.018	0.018	0.027
3	0.018	0.013	0.018	OFF	OFF	OFF	0.018
4	OFF	OFF	OFF	OFF	0.018	0.018	0.032
5	0.018	0.018	0.018	0.018	0.018	0.018	0.018
6	OFF	OFF	OFF	OFF	OFF	OFF	0.000
7	OFF	OFF	OFF	0.018	0.018	0.018	0.041
8	0.018	0.018	0.015	OFF	OFF	OFF	0.018
9	OFF	OFF	OFF	OFF	0.018	0.018	0.031
10	0.018	0.018	0.018	OFF	OFF	OFF	0.018
11	OFF	OFF	OFF	OFF	0.013	0.018	0.033
12	0.018	0.018	0.018	0.018	0.018	OFF	0.018
13	OFF	OFF	OFF	OFF	OFF	OFF	0.000
14	OFF	OFF	OFF	0.018	0.018	0.018	0.041
15	0.018	0.018	0.018	OFF	OFF	OFF	0.018
16	OFF	OFF	OFF	OFF	0.018	0.018	0.035
17	0.018	0.018	0.018	OFF	OFF	OFF	0.018
18	OFF	OFF	OFF	OFF	0.013	0.015	0.037
19	0.015	0.013	0.015	0.013	0.015	OFF	0.015
20	OFF	OFF	OFF	OFF	OFF	OFF	0.000
21	OFF	OFF	OFF	0.015	0.013	0.015	0.045
22	0.015	0.015	0.015	0.013	OFF	OFF	0.015
23	OFF	OFF	OFF	OFF	0.015	0.015	0.037
24	0.015	0.015	0.015	OFF	OFF	OFF	0.015
25	OFF	OFF	OFF	OFF	0.015	0.015	0.034
26	0.015	0.015	0.015	0.015	0.015	OFF	0.017
27	OFF	OFF	OFF	OFF	OFF	OFF	0.000
28	OFF	OFF	OFF	0.015	0.015	0.015	0.045
29	0.015	0.015	0.015	OFF	OFF	OFF	0.017
30	OFF	OFF	OFF	OFF	0.015	0.015	0.039
31	0.015	0.015	0.015	OFF	OFF	OFF	0.017

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

Notes: OFF = PLANT OFF

PRINTED NAME: Chris Germond
SIGNATURE: Chris Germond **DATE:** 4-6-22
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:** 3/2022

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]
3/1/2022 0:34	1.0	63	66	10	7.9	27	Yes	3235
3/2/2022 14:47	0.7	59	41	10	7.7	24	Yes	3406
3/3/2022 3:01	0.9	69	66	9	7.8	27	Yes	3234
3/4/2022 17:46	1.3	76	97	10	7.6	26	Yes	2643
3/5/2022 1:20	1.2	76	93	9	7.9	28	Yes	2657
3/6/2022 0:00	Plant Offline	-	-	-	-	-	-	-
3/7/2022 10:42	0.6	62	36	10	8.0	27	Yes	3424
3/8/2022 7:02	0.6	62	39	10	7.9	25	Yes	3344
3/9/2022 14:43	0.7	61	44	9	7.6	24	Yes	3368
3/10/2022 5:25	1.0	62	61	9	7.9	28	Yes	3343
3/11/2022 13:46	0.7	74	55	9	7.6	25	Yes	2884
3/12/2022 7:04	1.0	69	69	10	8.0	27	Yes	3277
3/13/2022 0:00	Plant Offline	-	-	-	-	-	-	-
3/14/2022 9:42	0.7	56	37	10	8.0	26	Yes	3425
3/15/2022 8:02	0.9	58	52	10	7.9	26	Yes	3293
3/16/2022 14:29	0.6	67	40	10	7.6	23	Yes	3382
3/17/2022 7:22	1.0	72	72	11	8.1	27	Yes	3285
3/18/2022 14:54	0.7	63	41	10	7.7	24	Yes	3369
3/19/2022 3:24	0.8	61	47	11	8.0	26	Yes	3303
3/20/2022 0:00	Plant Offline	-	-	-	-	-	-	-
3/21/2022 11:18	0.5	66	33	11	8.0	24	Yes	3441
3/22/2022 8:12	1.0	64	66	10	7.8	25	Yes	3321
3/23/2022 14:36	0.7	65	45	11	7.8	23	Yes	3331
3/24/2022 4:11	1.0	67	68	11	7.8	24	Yes	3253
3/25/2022 15:29	0.8	72	55	11	7.4	21	Yes	3026
3/26/2022 8:40	1.0	71	70	12	8.1	24	Yes	3153
3/27/2022 0:00	Plant Offline	-	-	-	-	-	-	-
3/28/2022 13:30	0.6	60	38	12	7.9	22	Yes	3410
3/29/2022 4:37	0.8	62	49	12	7.7	21	Yes	3298
3/30/2022 13:51	0.8	66	54	12	7.4	20	Yes	3336
3/31/2022 3:06	1.1	63	68	12	7.8	23	Yes	3326

[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:

3/2/2022	Highest NTU of day was caused by UF2 coming into production 0.147 NTU. Every
	Train does this every time the plant is turned on. UF2 also had turb spikes coming
	out of backwash which is likely caused by debris floating in turbidimeter. Highest
	NTU of the day was UF1 at 0.027 NTU.
3/4/2022	Highest NTU of the day was caused by UF2 coming out of a backwash 0.327 NTU.
	Actual Highest NTU of the day is by UF3 0.032 NTU.
3/9/2022	Highest NTU of day was caused by UF4 coming into production 0.092 NTU. Actual
	highest NTU of the day was UF3 0.031 NTU

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Notes:

3/4/2022:	Minimum Cl2 of day was showing 0 mg/L. Was having issues with CT CL-17. Lowest free chlorine during hour of highest flow 21:43 was 1.28 mg/L.

Start Date 3/1/2022 End Date 3/31/2022

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
3 / 1	7 : 37	5.30	21.14	21.19	47.73	853.08	8.73	47.24	Pass	Feed
3 / 2	15 : 57	5.30	21.12	21.13	55.42	785.24	6.46	48.09	Pass	Feed
3 / 3	7 : 35	5.30	21.17	21.22	41.72	864.26	11.46	47.40	Pass	Feed
3 / 4	13 : 22	5.02	21.14	21.10	168.25	141.25	0.69	56.19	Pass	Feed
3 / 5	7 : 50	5.30	21.21	21.21	60.77	626.97	5.43	46.56	Pass	Feed
3 / 7	9 : 31	5.30	21.20	21.21	192.35	135.88	0.53	58.99	Pass	Feed
3 / 8	8 : 1	5.30	21.28	21.30	52.32	888.41	7.37	46.50	Pass	Feed
3 / 9	14 : 29	5.30	21.23	21.23	197.68	142.22	0.51	51.40	Pass	Feed
3 / 10	8 : 19	5.30	21.35	21.40	47.89	909.86	8.87	45.12	Pass	Feed
3 / 11	7 : 31	5.30	21.17	21.13	46.90	870.32	9.11	44.89	Pass	Feed
3 / 12	8 : 40	5.30	21.16	21.17	70.59	596.84	4.01	46.52	Pass	Feed
3 / 14	10 : 27	5.30	21.12	21.11	221.60	114.42	0.40	56.58	Pass	Feed
3 / 15	7 : 47	5.30	21.19	21.22	52.89	943.51	7.12	48.81	Pass	Feed
3 / 16	9 : 4	5.30	21.04	21.07	76.90	674.91	3.33	48.62	Pass	Feed
3 / 17	7 : 17	5.30	20.79	20.84	61.00	899.21	5.18	47.87	Pass	Feed
3 / 18	7 : 40	5.30	21.13	21.10	61.35	905.97	5.28	47.16	Pass	Feed
3 / 19	8 : 5	5.30	21.12	21.12	61.05	915.52	5.31	48.87	Pass	Feed
3 / 21	10 : 19	4.95	21.19	21.13	100.55	438.51	1.96	50.69	Pass	Feed
3 / 22	4 : 19	5.30	21.17	21.17	63.07	907.08	5.02	46.77	Pass	Feed
3 / 23	15 : 40	5.30	21.14	21.15	73.01	815.76	3.72	48.32	Pass	Feed
3 / 24	7 : 31	5.30	21.11	21.13	79.73	688.66	3.12	47.41	Pass	Feed
3 / 25	7 : 29	5.30	21.20	21.22	73.09	845.53	3.74	47.34	Pass	Feed
3 / 26	9 : 5	5.30	21.17	21.19	66.27	864.25	4.54	47.60	Pass	Feed
3 / 28	10 : 5	5.30	21.19	21.18	71.43	900.96	3.88	51.71	Pass	Feed
3 / 29	4 : 18	5.30	21.33	21.34	67.00	881.26	4.48	49.84	Pass	Feed
3 / 30	8 : 57	5.23	21.13	21.08	73.04	808.62	3.71	49.17	Pass	Feed
3 / 31	7 : 47	5.30	21.29	21.32	63.67	906.23	4.96	48.15	Pass	Feed

Start Date 3/1/2022 End Date 3/31/2022

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
3 / 1	8 : 44	5.30	21.25	21.29	54.61	846.48	6.74	47.06	Pass	Feed
3 / 2	10 : 45	5.27	21.09	21.05	51.99	891.22	7.33	47.08	Pass	Feed
3 / 3	9 : 3	5.30	21.18	21.22	52.57	847.71	7.23	47.27	Pass	Feed
3 / 4	13 : 42	5.30	21.23	21.23	119.30	288.57	1.38	56.18	Pass	Feed
3 / 5	7 : 18	5.30	21.15	21.18	69.63	625.39	4.11	46.58	Pass	Feed
3 / 7	11 : 0	5.30	21.10	21.15	57.06	887.43	6.11	45.82	Pass	Feed
3 / 8	8 : 32	5.30	21.23	21.27	60.13	882.74	5.55	46.42	Pass	Feed
3 / 9	10 : 18	5.16	21.08	21.04	57.84	830.49	5.93	46.19	Pass	Feed
3 / 10	7 : 30	5.30	21.26	21.30	54.22	887.14	6.86	45.71	Pass	Feed
3 / 11	7 : 57	5.15	21.01	20.97	57.09	862.47	6.07	44.92	Pass	Feed
3 / 12	10 : 22	5.30	21.19	21.22	71.45	600.24	3.92	46.15	Pass	Feed
3 / 14	10 : 51	5.30	21.27	21.30	62.49	884.40	5.13	49.56	Pass	Feed
3 / 15	7 : 23	5.30	21.11	21.15	57.45	900.54	5.99	48.89	Pass	Feed
3 / 16	10 : 6	5.30	21.19	21.16	50.72	947.03	7.74	48.64	Pass	Feed
3 / 17	8 : 29	5.30	21.14	21.17	59.40	892.00	5.64	47.39	Pass	Feed
3 / 18	8 : 6	5.30	21.10	21.12	55.85	901.70	6.36	47.16	Pass	Feed
3 / 19	8 : 32	5.30	21.30	21.33	65.29	804.54	4.71	48.86	Pass	Feed
3 / 21	9 : 10	5.05	21.01	20.96	92.69	416.79	2.27	50.69	Pass	Feed
3 / 22	3 : 39	5.30	21.31	21.34	62.34	848.88	5.20	46.76	Pass	Feed
3 / 23	14 : 53	5.30	21.07	21.07	176.73	184.93	0.63	53.48	Pass	Feed
3 / 24	7 : 58	5.30	21.28	21.30	91.84	556.48	2.39	47.37	Pass	Feed
3 / 25	7 : 50	5.30	21.05	21.02	186.67	156.01	0.57	47.59	Pass	Feed
3 / 26	8 : 10	5.30	21.18	21.20	78.55	756.45	3.23	47.68	Pass	Feed
3 / 28	10 : 30	5.30	21.29	21.29	79.06	822.92	3.20	50.19	Pass	Feed
3 / 29	2 : 17	5.30	21.10	21.11	76.60	800.05	3.36	49.94	Pass	Feed
3 / 30	9 : 19	5.30	21.20	21.18	67.51	921.36	4.37	49.17	Pass	Feed
3 / 31	8 : 17	5.30	21.18	21.19	68.86	920.86	4.20	47.94	Pass	Feed

Start Date 3/1/2022 End Date 3/31/2022

Lebanon WTP MIT / LRV Test Results Report UF 3

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV: Temp F	4.0 Pass / Fail	MIT Type
3 / 1	7 : 58	5.30	21.31	21.35	55.22	856.57	6.62	47.12	Pass	Feed
3 / 2	8 : 23	5.30	21.20	21.22	59.56	860.73	5.64	47.09	Pass	Feed
3 / 3	7 : 58	5.30	21.13	21.16	62.88	860.66	5.02	47.32	Pass	Feed
3 / 4	14 : 13	5.30	21.24	21.28	76.80	640.40	3.39	48.75	Pass	Feed
3 / 5	9 : 32	5.30	20.86	20.91	73.18	635.66	3.63	46.60	Pass	Feed
3 / 7	10 : 20	5.30	21.23	21.28	66.96	839.49	4.47	47.11	Pass	Feed
3 / 8	7 : 40	5.30	21.19	21.24	62.24	894.63	5.16	46.67	Pass	Feed
3 / 9	10 : 45	5.30	21.27	21.27	61.43	886.44	5.34	46.21	Pass	Feed
3 / 10	7 : 57	5.30	21.21	21.25	64.63	841.74	4.81	45.25	Pass	Feed
3 / 11	8 : 20	5.30	21.20	21.20	62.55	852.58	5.14	44.90	Pass	Feed
3 / 12	7 : 50	5.30	21.20	21.25	79.59	588.29	3.16	46.93	Pass	Feed
3 / 14	10 : 5	5.30	21.06	21.05	68.83	792.92	4.15	49.16	Pass	Feed
3 / 15	6 : 55	5.30	21.26	21.30	62.59	853.80	5.12	48.95	Pass	Feed
3 / 16	10 : 33	5.30	21.17	21.19	54.62	982.65	6.67	48.63	Pass	Feed
3 / 17	8 : 5	5.30	21.38	21.42	65.92	843.47	4.67	47.56	Pass	Feed
3 / 18	8 : 38	5.30	21.25	21.24	66.43	874.10	4.55	47.18	Pass	Feed
3 / 19	7 : 16	5.30	21.18	21.23	69.55	807.75	4.11	48.92	Pass	Feed
3 / 21	9 : 33	5.30	21.18	21.16	96.90	415.19	2.11	50.69	Pass	Feed
3 / 22	2 : 23	5.30	21.26	21.30	68.71	816.45	4.26	46.82	Pass	Feed
3 / 23	15 : 16	5.30	21.28	21.29	71.73	820.57	3.89	49.99	Pass	Feed
3 / 24	8 : 21	5.30	21.18	21.20	85.72	537.68	2.72	47.34	Pass	Feed
3 / 25	8 : 38	5.30	21.15	21.15	141.80	202.20	0.99	47.59	Pass	Feed
3 / 26	7 : 46	5.30	21.13	21.15	73.89	751.96	3.64	47.72	Pass	Feed
3 / 28	8 : 7	5.30	21.23	21.21	117.46	309.08	1.44	52.62	Pass	Feed
3 / 29	2 : 50	5.30	21.21	21.21	75.04	776.08	3.54	49.95	Pass	Feed
3 / 30	8 : 24	5.30	21.18	21.18	71.66	793.03	3.87	49.40	Pass	Feed
3 / 31	8 : 45	5.30	21.21	21.23	75.12	891.05	3.54	47.84	Pass	Feed

Start Date 3/1/2022 End Date 3/31/2022

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
3 / 1	8 : 23	5.30	21.05	21.10	59.18	842.18	5.64	47.10	Pass	Feed
3 / 2	11 : 36	5.30	21.13	21.14	57.26	844.93	6.07	47.09	Pass	Feed
3 / 3	8 : 33	5.30	21.23	21.28	56.48	850.54	6.28	47.32	Pass	Feed
3 / 4	14 : 37	5.30	21.29	21.34	68.30	657.99	4.31	48.08	Pass	Feed
3 / 5	8 : 40	5.30	21.10	21.15	66.71	703.09	4.46	46.53	Pass	Feed
3 / 7	9 : 0	5.30	21.00	21.00	167.88	221.14	0.68	58.99	Pass	Feed
3 / 8	7 : 19	5.30	21.25	21.31	60.86	869.90	5.43	46.85	Pass	Feed
3 / 9	9 : 45	5.30	21.08	21.12	57.97	856.28	5.90	46.21	Pass	Feed
3 / 10	8 : 45	5.30	21.14	21.20	70.50	870.38	4.02	45.05	Pass	Feed
3 / 11	8 : 44	5.30	21.11	21.11	74.71	851.24	3.57	44.90	Pass	Feed
3 / 12	9 : 31	5.30	21.27	21.32	88.67	605.66	2.56	46.49	Pass	Feed
3 / 14	11 : 12	5.30	21.08	21.12	68.22	956.84	4.24	48.95	Pass	Feed
3 / 15	6 : 22	5.30	21.12	21.17	68.20	885.60	4.25	49.05	Pass	Feed
3 / 16	9 : 26	5.30	21.04	21.04	62.08	994.33	5.10	48.64	Pass	Feed
3 / 17	7 : 38	5.30	21.11	21.17	70.09	934.88	4.04	47.56	Pass	Feed
3 / 18	9 : 0	5.30	21.02	21.02	71.20	911.63	3.88	47.17	Pass	Feed
3 / 19	7 : 40	5.30	21.24	21.29	75.78	816.20	3.48	48.91	Pass	Feed
3 / 21	8 : 47	5.30	21.04	21.03	115.89	395.41	1.46	50.73	Pass	Feed
3 / 22	2 : 52	5.30	21.19	21.24	69.86	909.33	4.10	46.80	Pass	Feed
3 / 23	14 : 31	5.30	21.13	21.14	195.07	184.93	0.52	53.49	Pass	Feed
3 / 24	8 : 43	5.30	21.20	21.22	93.57	541.07	2.28	47.34	Pass	Feed
3 / 25	8 : 15	5.30	21.14	21.13	93.36	541.07	2.28	47.34	Pass	Feed
3 / 26	7 : 25	5.30	21.08	21.12	73.52	862.85	3.66	47.75	Pass	Feed
3 / 28	9 : 38	5.30	20.97	20.97	179.85	218.12	0.60	53.46	Pass	Feed
3 / 29	3 : 33	5.30	20.81	20.82	77.16	816.59	3.23	49.88	Pass	Feed
3 / 30	9 : 52	5.30	21.09	21.08	76.08	853.93	3.41	49.17	Pass	Feed
3 / 31	9 : 9	5.30	21.12	21.15	74.64	845.50	3.56	47.81	Pass	Feed