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

County: Linn
Month/Year: 8/2021

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	0.022	0.022	0.022	0.022	0.022	0.022	0.030
2	OFF	OFF	OFF	0.022	0.022	0.020	0.043
3	0.024	0.026	0.022	0.024	0.024	0.026	0.028
4	OFF	OFF	0.026	0.026	0.026	0.026	0.044
5	0.028	0.028	0.028	0.026	OFF	OFF	0.030
6	OFF	OFF	0.026	0.026	0.020	0.028	0.024
7	0.028	0.028	0.022	0.028	0.020	0.030	0.030
8	0.030	0.030	0.032	0.030	0.030	OFF	0.032
9	OFF	OFF	0.030	0.030	0.032	0.022	0.052
10	0.033	0.033	0.022	0.033	0.033	OFF	0.035
11	OFF	OFF	0.016	0.015	0.015	0.022	0.037
12	0.022	0.022	0.022	0.022	0.015	OFF	0.024
13	OFF	OFF	0.022	0.022	0.022	0.022	0.038
14	0.022	0.022	0.022	0.022	0.020	0.022	0.024
15	0.016	0.022	0.022	0.022	0.022	0.015	0.022
16	OFF	OFF	0.015	0.022	0.020	0.022	0.041
17	0.022	0.022	0.022	0.022	OFF	OFF	0.024
18	OFF	OFF	0.015	0.022	0.022	0.018	0.042
19	0.022	0.017	0.022	0.022	0.015	OFF	0.026
20	OFF	OFF	0.022	0.022	0.022	0.022	0.048
21	0.017	0.024	0.024	0.022	0.022	0.017	0.024
22	0.024	0.024	0.024	0.024	0.022	OFF	0.026
23	OFF	OFF	0.019	0.024	0.022	0.019	0.039
24	0.024	0.024	0.024	0.024	OFF	OFF	0.026
25	OFF	OFF	0.016	0.024	0.020	0.024	0.046
26	0.019	0.019	0.026	0.024	0.019	OFF	0.026
27	OFF	OFF	OFF	0.019	0.013	0.019	0.041
28	0.017	0.020	0.021	0.020	0.019	0.020	0.022
29	0.020	0.020	0.021	0.020	0.020	OFF	0.022
30	OFF	OFF	0.020	0.017	0.020	0.020	0.039
31	0.017	0.022	0.022	0.020	0.020	OFF	0.024

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:** 9/7
PHONE #: 541-405-5970 **CERT #:** T-08683

[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: 8/2021

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]
8/1/2021 19:37	1.2	75	92	16	8.0	19	Yes	3336
8/2/2021 8:26	1.1	72	77	18	8.0	16	Yes	3432
8/3/2021 7:01	1.2	73	88	18	8.0	16	Yes	3395
8/4/2021 6:31	1.1	74	79	18	8.0	16	Yes	3331
8/5/2021 7:21	1.2	65	78	18	8.0	17	Yes	3851
8/6/2021 7:24	1.0	71	74	17	7.9	16	Yes	3497
8/7/2021 21:19	1.2	72	89	18	7.9	16	Yes	3445
8/8/2021 2:53	1.2	73	87	18	7.9	16	Yes	3413
8/9/2021 7:02	1.1	74	78	18	8.0	16	Yes	3364
8/10/2021 1:09	1.2	74	89	18	8.0	17	Yes	3347
8/11/2021 7:22	1.0	61	63	18	8.2	17	Yes	4122
8/12/2021 3:57	1.2	63	74	19	8.1	17	Yes	3912
8/13/2021 7:28	1.0	55	57	18	8.2	17	Yes	4555
8/14/2021 23:01	1.2	73	85	17	8.1	18	Yes	3420
8/15/2021 11:46	1.2	73	86	18	8.2	18	Yes	3382
8/16/2021 7:06	1.0	53	52	18	8.2	17	Yes	4731
8/17/2021 5:09	1.2	52	60	18	8.1	17	Yes	4853
8/18/2021 7:11	1.0	53	54	17	8.0	17	Yes	4690
8/19/2021 9:33	1.1	53	61	17	8.1	18	Yes	4740
8/20/2021 6:28	1.0	73	72	17	8.1	18	Yes	3381
8/21/2021 1:38	1.2	73	85	17	8.1	19	Yes	3350
8/22/2021 4:03	1.1	76	87	16	8.1	19	Yes	3304
8/23/2021 6:34	1.0	73	72	16	7.9	18	Yes	3395
8/24/2021 0:40	1.1	72	83	17	8.2	19	Yes	3418
8/25/2021 6:27	1.0	68	68	16	7.9	18	Yes	3643
8/26/2021 0:39	1.1	66	75	17	8.1	18	Yes	3730
8/27/2021 9:25	0.9	71	67	17	7.9	17	Yes	3471
8/28/2021 23:45	1.1	72	76	17	8.0	18	Yes	3459
8/29/2021 3:36	1.0	72	75	17	8.1	18	Yes	3414
8/30/2021 6:31	0.9	70	62	17	7.9	17	Yes	3413
8/31/2021 5:18	1.0	72	71	16	8.0	18	Yes	3346

[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:

	The City of Lebanon Water Treatment Plant is now reporting based on IFE turbidity, rather than CFE turbidity. The timing of sampling is the same but takes the highest value of the four Trains turbidimeters.
8/6	UF1 when initially running in production was at 0.054 NTU, turbidimeters always drift up when not running overnight. NTU after flush was 0.024 NTU. Highest NTU of the day was UF1 0.024 NTU.
8/11	UF1 when initially running in production was at 0.082 NTU, turbidimeters always drift up when not running overnight. NTU after flush was 0.034 NTU. Highest NTU of the day was UF3 0.037 NTU.
8/29	UF1 when initially running in production was at 0.054 NTU, turbidimeters always drift up when not running overnight. NTU after flush was 0.026 NTU. Highest NTU of the day was UF3 0.046 NTU.

Start Date 8/1/2021 End Date 8/31/2021

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
8 / 1	7 : 14	5.03	20.85	20.80	94.80	411.23	2.11	58.73	Pass	Feed
8 / 2	8 : 33	4.84	20.88	20.83	159.81	152.09	0.73	66.29	Pass	Feed
8 / 3	6 : 55	5.19	20.95	20.91	60.16	878.05	5.25	62.78	Pass	Feed
8 / 4	9 : 55	5.30	21.00	20.98	60.69	887.13	5.20	60.82	Pass	Feed
8 / 5	6 : 30	5.29	21.05	21.01	62.90	792.14	4.84	62.50	Pass	Feed
8 / 6	8 : 39	5.30	20.90	20.88	69.11	779.73	3.98	59.97	Pass	Feed
8 / 7	6 : 45	5.30	20.96	20.92	71.86	706.45	3.69	61.77	Pass	Feed
8 / 8	6 : 45	5.23	20.93	20.88	70.12	714.29	3.85	62.82	Pass	Feed
8 / 9	7 : 12	4.82	20.90	20.85	159.32	156.95	0.74	65.47	Pass	Feed
8 / 10	6 : 59	5.30	20.84	20.80	60.34	868.70	5.18	61.60	Pass	Feed
8 / 11	8 : 23	5.30	20.86	20.84	70.61	717.70	3.77	63.95	Pass	Feed
8 / 12	7 : 45	5.30	20.92	20.90	68.95	852.23	3.98	62.95	Pass	Feed
8 / 13	6 : 40	5.21	20.63	20.60	164.05	156.98	0.68	67.30	Pass	Feed
8 / 14	6 : 18	5.30	20.76	20.74	67.86	796.93	4.07	61.68	Pass	Feed
8 / 15	6 : 45	5.24	20.94	20.90	105.29	408.93	1.71	62.89	Pass	Feed
8 / 16	7 : 20	4.89	21.08	21.04	176.81	149.57	0.61	66.42	Pass	Feed
8 / 17	6 : 50	5.30	20.89	20.86	69.60	795.44	3.90	62.73	Pass	Feed
8 / 18	9 : 7	5.28	20.97	20.93	59.36	955.89	5.46	56.95	Pass	Feed
8 / 19	6 : 52	5.06	20.91	20.85	66.71	827.98	4.26	61.63	Pass	Feed
8 / 20	6 : 34	4.79	20.77	20.73	160.17	150.88	0.73	65.19	Pass	Feed
8 / 20	11 : 7	5.30	20.84	20.81	65.74	811.67	4.37	60.09	Pass	Feed
8 / 21	6 : 29	5.19	20.80	20.76	75.06	708.04	3.35	59.89	Pass	Feed
8 / 22	6 : 58	4.91	20.63	20.57	98.97	413.61	1.90	59.60	Pass	Feed
8 / 23	6 : 48	4.52	20.93	20.86	154.41	160.81	0.80	61.82	Pass	Feed
8 / 24	7 : 17	4.96	20.99	20.92	60.58	950.45	5.23	59.01	Pass	Feed
8 / 25	9 : 23	5.14	21.01	20.96	55.31	1103.62	6.29	58.47	Pass	Feed
8 / 26	7 : 15	5.02	20.83	20.78	58.61	950.45	5.50	60.38	Pass	Feed
8 / 27	10 : 19	5.25	20.92	20.87	70.34	742.69	3.85	59.91	Pass	Feed
8 / 28	6 : 42	4.91	21.02	20.96	66.81	804.12	4.31	59.50	Pass	Feed
8 / 29	6 : 40	4.86	20.82	20.75	73.23	703.69	3.51	60.70	Pass	Feed
8 / 29	16 : 12	5.03	20.94	20.89	73.35	695.42	3.54	60.40	Pass	Feed
8 / 30	6 : 37	4.53	20.78	20.71	197.78	122.81	0.48	64.18	Pass	Feed
8 / 30	14 : 7	5.22	20.84	20.79	61.88	942.75	4.95	58.53	Pass	Feed
8 / 31	6 : 50	5.06	20.90	20.85	61.61	848.02	5.01	59.60	Pass	Feed
8 / 31	13 : 6	4.93	20.78	20.72	92.13	491.12	2.23	57.84	Pass	Feed
8 / 31	13 : 37	4.97	21.03	20.97	93.13	491.12	2.23	57.84	Pass	Feed
8 / 31	14 : 5	5.07	21.13	21.09	93.56	491.12	2.23	57.84	Pass	Feed
8 / 31	15 : 8	4.84	20.95	20.88	92.82	491.12	2.23	57.84	Pass	Feed
8 / 31	15 : 52	4.83	21.06	20.99	75.69	637.22	3.37	58.93	Pass	Feed

Lebanon WTP MIT / LRV Test Results Report UF 1

Notes:

UF1 has been having erratic MIT's. We are troubleshooting what the problem might be, most likely a valve not seating all the way.

Start Date 8/1/2021 End Date 8/31/2021

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
8 / 1	7 : 57	5.30	21.11	21.11	98.48	430.01	2.00	58.36	Pass	Feed
8 / 2	9 : 4	5.30	21.02	21.00	140.28	222.70	0.96	66.30	Pass	Feed
8 / 3	7 : 29	5.30	21.03	21.02	74.76	789.63	3.42	62.38	Pass	Feed
8 / 4	8 : 43	5.30	21.10	21.10	162.00	195.87	0.73	66.35	Pass	Feed
8 / 5	8 : 6	5.30	21.01	21.00	78.66	791.91	3.09	61.83	Pass	Feed
8 / 6	7 : 48	5.30	21.12	21.10	168.14	194.09	0.68	65.58	Pass	Feed
8 / 7	7 : 46	5.30	21.09	21.08	74.10	831.53	3.51	61.48	Pass	Feed
8 / 8	7 : 55	5.30	21.09	21.07	81.32	722.11	2.91	62.26	Pass	Feed
8 / 9	7 : 41	5.30	21.04	21.02	77.62	760.98	3.18	61.41	Pass	Feed
8 / 10	7 : 33	5.30	21.13	21.11	76.02	805.27	3.35	61.33	Pass	Feed
8 / 11	10 : 11	5.30	21.01	21.01	57.25	1086.56	5.84	61.58	Pass	Feed
8 / 12	7 : 17	5.30	21.20	21.19	76.14	808.17	3.34	63.44	Pass	Feed
8 / 13	9 : 6	5.30	21.23	21.22	77.58	787.69	3.24	61.86	Pass	Feed
8 / 14	7 : 49	5.30	21.08	21.07	73.96	807.73	3.52	61.15	Pass	Feed
8 / 15	8 : 5	5.30	21.22	21.20	104.48	415.26	1.78	62.41	Pass	Feed
8 / 16	8 : 5	5.30	21.11	21.10	72.77	831.15	3.64	62.64	Pass	Feed
8 / 17	7 : 31	5.30	21.18	21.16	72.27	849.38	3.71	62.17	Pass	Feed
8 / 18	8 : 22	5.30	21.04	21.04	69.72	862.75	3.98	57.07	Pass	Feed
8 / 19	7 : 31	5.30	21.10	21.09	67.44	842.62	4.24	61.13	Pass	Feed
8 / 20	7 : 49	5.30	21.11	21.10	157.57	194.37	0.77	65.19	Pass	Feed
8 / 21	7 : 43	5.30	21.00	21.00	75.07	748.77	3.40	59.68	Pass	Feed
8 / 22	7 : 44	5.30	21.21	21.20	102.55	436.42	1.86	59.51	Pass	Feed
8 / 23	10 : 47	5.30	21.20	21.21	67.51	872.90	4.31	57.10	Pass	Feed
8 / 24	7 : 40	5.30	21.27	21.26	71.62	853.44	3.83	58.66	Pass	Feed
8 / 25	9 : 58	5.30	21.17	21.17	58.02	1033.60	5.80	58.35	Pass	Feed
8 / 26	7 : 51	5.30	21.20	21.19	74.62	795.97	3.50	60.12	Pass	Feed
8 / 27	8 : 32	5.30	20.99	20.96	163.53	192.02	0.71	64.42	Pass	Feed
8 / 28	7 : 27	5.30	21.07	21.06	75.77	750.56	3.36	59.32	Pass	Feed
8 / 29	7 : 28	5.30	21.27	21.26	81.44	665.25	2.96	60.45	Pass	Feed
8 / 30	8 : 5	5.30	21.23	21.21	71.15	858.84	3.85	61.00	Pass	Feed
8 / 31	7 : 48	5.30	21.12	21.11	68.43	883.61	4.14	59.04	Pass	Feed

Start Date	End Date
8/1/2021	8/31/2021

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
8 / 1	8 : 52	5.30	21.05	21.05	87.41	644.43	2.53	57.99	Pass	Feed
8 / 2	11 : 13	5.30	21.22	21.22	78.66	798.31	3.15	61.15	Pass	Feed
8 / 3	8 : 17	5.30	20.96	20.96	75.84	807.47	3.31	62.08	Pass	Feed
8 / 4	9 : 7	5.30	21.09	21.10	76.36	797.57	3.31	60.98	Pass	Feed
8 / 5	8 : 57	5.30	21.25	21.25	78.65	756.86	3.16	61.18	Pass	Feed
8 / 6	10 : 6	5.30	21.11	21.12	79.94	739.55	3.03	59.28	Pass	Feed
8 / 7	8 : 55	5.30	21.14	21.14	79.45	736.96	3.07	61.21	Pass	Feed
8 / 8	8 : 33	5.30	21.06	21.06	81.05	687.13	2.92	61.97	Pass	Feed
8 / 9	9 : 18	5.30	21.01	21.01	68.84	841.66	4.05	59.73	Pass	Feed
8 / 10	8 : 21	5.30	21.05	21.04	73.10	852.85	3.60	60.85	Pass	Feed
8 / 11	8 : 54	5.30	21.20	21.21	70.84	856.34	3.87	61.95	Pass	Feed
8 / 12	10 : 6	5.30	21.21	21.21	71.01	851.58	3.86	61.86	Pass	Feed
8 / 13	8 : 20	5.30	21.22	21.22	74.43	792.14	3.51	62.13	Pass	Feed
8 / 14	8 : 50	5.30	21.12	21.12	77.09	770.41	3.26	60.71	Pass	Feed
8 / 15	8 : 47	5.30	21.03	21.03	101.02	414.40	1.88	62.17	Pass	Feed
8 / 16	8 : 30	5.30	21.19	21.19	71.34	840.96	3.82	61.30	Pass	Feed
8 / 17	8 : 35	5.30	21.21	21.21	71.90	802.82	3.77	61.58	Pass	Feed
8 / 18	8 : 44	5.30	21.02	21.02	72.03	826.05	3.72	57.03	Pass	Feed
8 / 19	8 : 19	5.30	21.03	21.02	73.41	804.18	3.56	60.58	Pass	Feed
8 / 20	8 : 32	5.30	21.22	21.22	80.94	746.81	2.97	61.38	Pass	Feed
8 / 21	8 : 59	5.30	21.04	21.03	83.65	618.98	2.75	59.30	Pass	Feed
8 / 22	8 : 19	5.30	21.00	20.99	75.93	725.99	3.33	59.29	Pass	Feed
8 / 23	8 : 54	5.30	21.03	21.02	71.18	827.02	3.81	57.28	Pass	Feed
8 / 24	8 : 51	5.30	21.04	21.03	73.59	820.16	3.56	58.24	Pass	Feed
8 / 25	8 : 33	5.30	21.26	21.26	150.98	197.66	0.85	63.29	Pass	Feed
8 / 26	8 : 19	5.30	21.20	21.19	76.09	858.80	3.37	60.00	Pass	Feed
8 / 27	8 : 54	5.30	21.09	21.09	163.94	188.75	0.71	64.43	Pass	Feed
8 / 28	8 : 41	5.30	21.21	21.20	80.10	764.88	3.05	58.71	Pass	Feed
8 / 29	8 : 47	5.30	21.17	21.17	83.37	709.54	2.80	59.79	Pass	Feed
8 / 30	8 : 56	5.30	21.31	21.31	76.42	863.19	3.37	59.79	Pass	Feed
8 / 31	8 : 25	5.30	21.20	21.20	74.51	859.28	3.52	58.79	Pass	Feed

Start Date 8/1/2021 End Date 8/31/2021

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
8 / 1	9 : 55	5.30	20.94	20.95	76.61	791.18	3.26	57.86	Pass	Feed
8 / 2	9 : 37	5.30	20.98	20.99	77.08	833.49	3.21	62.09	Pass	Feed
8 / 3	10 : 21	5.30	20.97	20.98	75.40	848.02	3.36	61.25	Pass	Feed
8 / 4	9 : 33	5.30	20.90	20.91	77.32	808.73	3.17	60.98	Pass	Feed
8 / 5	9 : 18	5.30	20.78	20.79	72.64	820.39	3.56	61.03	Pass	Feed
8 / 6	10 : 52	5.30	21.05	21.06	75.72	790.50	3.36	59.20	Pass	Feed
8 / 7	9 : 49	5.30	21.15	21.16	76.74	814.89	3.29	61.15	Pass	Feed
8 / 8	9 : 28	5.30	20.98	20.98	79.67	718.43	3.01	61.64	Pass	Feed
8 / 9	9 : 38	5.30	20.93	20.93	70.67	842.55	3.82	59.61	Pass	Feed
8 / 10	9 : 31	5.30	21.02	21.03	69.01	850.19	4.03	60.65	Pass	Feed
8 / 11	9 : 32	5.30	21.03	21.04	55.01	1151.80	6.33	61.78	Pass	Feed
8 / 12	9 : 27	5.30	20.95	20.95	69.58	873.17	3.92	62.62	Pass	Feed
8 / 13	9 : 39	5.30	20.89	20.90	74.55	799.13	3.41	61.53	Pass	Feed
8 / 14	9 : 58	5.30	21.17	21.17	141.79	256.40	0.97	60.62	Pass	Feed
8 / 15	10 : 5	5.30	21.05	21.05	106.54	435.59	1.69	61.57	Pass	Feed
8 / 16	9 : 54	5.30	21.07	21.08	68.56	863.42	4.10	60.92	Pass	Feed
8 / 17	9 : 23	5.30	20.97	20.97	69.96	866.99	3.90	61.37	Pass	Feed
8 / 18	9 : 36	5.30	20.98	20.99	66.48	882.85	4.36	56.92	Pass	Feed
8 / 19	10 : 8	5.30	20.93	20.93	76.18	858.91	3.28	59.85	Pass	Feed
8 / 20	9 : 50	5.30	20.89	20.89	80.95	773.32	2.89	60.93	Pass	Feed
8 / 21	9 : 24	5.30	20.97	20.97	88.97	663.04	2.42	59.22	Pass	Feed
8 / 22	9 : 52	5.30	21.10	21.09	76.14	835.77	3.34	58.79	Pass	Feed
8 / 23	9 : 22	5.30	21.08	21.08	73.36	869.41	3.61	57.18	Pass	Feed
8 / 24	9 : 35	5.30	21.19	21.19	73.25	869.77	3.65	57.92	Pass	Feed
8 / 25	8 : 59	5.30	21.01	21.02	78.77	814.26	3.10	58.76	Pass	Feed
8 / 26	9 : 30	5.30	20.97	20.97	73.81	862.81	3.51	59.83	Pass	Feed
8 / 27	9 : 25	5.30	21.15	21.16	84.43	733.97	2.72	60.25	Pass	Feed
8 / 28	9 : 45	5.30	21.10	21.10	78.54	763.40	3.14	58.44	Pass	Feed
8 / 29	9 : 53	5.30	21.06	21.06	81.33	708.98	2.92	59.46	Pass	Feed
8 / 30	9 : 48	5.30	21.14	21.14	75.59	840.75	3.40	59.37	Pass	Feed
8 / 31	9 : 45	5.30	21.07	21.07	70.76	887.27	3.87	58.42	Pass	Feed