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

County: Linn
Month/Year: 7/2021

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	0.017	0.015	0.015	0.022	0.022	OFF	0.101
2	OFF	OFF	0.017	0.031	0.018	0.018	0.040
3	0.015	0.015	0.015	0.015	0.015	0.013	0.024
4	0.015	0.013	0.015	0.015	0.019	OFF	0.024
5	OFF	OFF	OFF	OFF	0.020	0.047	0.101
6	0.017	0.017	0.024	0.029	0.017	OFF	0.063
7	OFF	OFF	0.029	0.016	0.026	0.030	0.049
8	0.029	0.020	0.040	0.022	0.035	OFF	0.062
9	OFF	OFF	0.015	0.016	0.016	0.015	0.024
10	0.015	0.015	0.015	0.015	0.017	0.017	0.017
11	0.015	0.015	0.017	0.022	0.020	OFF	0.042
12	OFF	OFF	0.017	0.020	0.033	0.027	0.061
13	0.027	0.020	0.017	0.018	0.020	OFF	0.033
14	OFF	OFF	0.018	0.018	0.017	0.018	0.029
15	0.018	0.017	0.018	0.040	0.023	OFF	0.065
16	OFF	OFF	0.017	0.017	0.019	0.018	0.022
17	0.020	0.018	0.018	0.019	0.018	0.018	0.022
18	0.017	0.017	0.018	OFF	OFF	OFF	0.020
19	OFF	OFF	0.020	0.022	0.024	0.026	0.101
20	0.029	0.026	0.020	0.021	0.033	0.020	0.044
21	0.020	0.020	0.024	0.022	0.024	0.026	0.040
22	0.027	OFF	0.024	0.029	0.040	0.022	0.053
23	0.022	0.022	0.022	0.026	0.026	0.024	0.028
24	0.024	0.024	0.024	0.024	0.026	0.024	0.026
25	0.024	0.024	0.024	0.027	0.024	0.026	0.029
26	0.024	0.026	0.026	0.025	0.063	0.047	0.081
27	0.029	0.033	0.028	0.033	0.035	OFF	0.085
28	OFF	OFF	0.031	0.029	0.018	0.024	0.100
29	0.026	0.020	0.033	0.015	0.018	0.042	0.063
30	OFF	OFF	0.013	0.015	0.015	0.017	0.022
31	0.017	0.015	0.015	0.017	0.017	0.018	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:** 8/9/21
PHONE #: 541-405-5970 **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

System Name: Lebanon, CITY OF **ID#: 41-00473** **Month/Year: 7/2021**

Disinfection *Giardia* Log Inactive: 0.5

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]
7/1/2021 14:42	1.1	73	81	18	8.1	17	Yes	3368
7/2/2021 8:16	0.8	71	55	17	8.0	17	Yes	3471
7/3/2021 0:38	0.9	71	67	20	8.1	15	Yes	3475
7/4/2021 2:30	1.0	72	70	19	8.0	16	Yes	3410
7/5/2021 10:09	0.8	71	58	18	8.0	16	Yes	3457
7/6/2021 0:56	1.0	70	72	18	8.1	16	Yes	3543
7/7/2021 8:36	0.8	72	59	17	8.0	17	Yes	3481
7/8/2021 1:35	1.0	60	61	18	8.0	17	Yes	4180
7/9/2021 7:14	0.9	70	61	16	7.8	17	Yes	3508
7/10/2021 23:44	1.0	72	71	18	7.9	16	Yes	3433
7/11/2021 1:14	1.0	72	69	19	7.9	15	Yes	3404
7/12/2021 7:44	0.8	73	58	18	7.9	16	Yes	3425
7/13/2021 10:13	1.1	60	69	18	7.9	15	Yes	4121
7/14/2021 7:13	0.9	71	65	17	7.8	15	Yes	3494
7/15/2021 5:45	1.1	63	66	18	7.9	15	Yes	3982
7/16/2021 6:16	0.9	73	67	16	7.8	16	Yes	3368
7/17/2021 23:51	1.0	73	76	18	8.0	17	Yes	3390
7/18/2021 2:02	1.0	76	78	18	8.0	16	Yes	3215
7/19/2021 7:23	0.8	71	58	17	7.6	14	Yes	3439
7/20/2021 3:35	1.0	73	75	18	7.9	15	Yes	3357
7/21/2021 8:37	1.0	71	69	18	8.0	16	Yes	3509
7/22/2021 6:32	1.0	57	56	17	8.0	17	Yes	4467
7/23/2021 4:27	1.0	72	72	17	7.9	17	Yes	3394
7/24/2021 23:42	1.1	73	78	18	7.9	16	Yes	3373
7/25/2021 2:59	1.1	74	79	18	7.9	15	Yes	3352
7/26/2021 3:34	1.1	73	81	19	7.9	15	Yes	3426
7/27/2021 8:57	1.2	66	77	19	8.0	16	Yes	3747
7/28/2021 7:04	1.1	71	78	18	8.0	17	Yes	3448
7/29/2021 21:01	1.2	53	65	18	8.0	16	Yes	4642
7/30/2021 7:00	1.1	73	80	18	8.1	17	Yes	3396
7/31/2021 10:42	1.3	74	94	16	8.0	19	Yes	3343

[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:

7/1:	Plant shutdown from combined filtrate at 0.101 NTU at 10:50 likely caused by air
	changing flows. Train turbidities at the time were: UF1 0.020, UF2 0.015,
	UF3 0.015, UF4 0.013.
7/5:	Plant shutdown from combined filtrate at 0.101 NTU at 11:55 likely caused by air
	from changing flows. Train turbidities at the time were: UF1 0.020, UF2 0.015,
	UF3 0.015, UF4 0.013.
7/19:	Plant shutdown from combined filtrate at 0.101 NTU at 09:34 likely caused by air
	from changing flows. Train turbidities at the time were: UF1 0.022, UF2 0.015,
	UF3 0.022, UF4 0.013.
7/28:	Plant shutdown from combined filtrate at 0.100 NTU at 11:10 likely caused by air
	from changing flows. Train turbidities at the time were: UF1 0.020, UF2 0.015,
	UF3 0.019, UF4 0.022.

Notes:

7/1: Cleaning CT Cl-17, value went to 0 mg/L. Lowest free chlorine of the day was 1.11 mg/L.

Start Date 7/1/2021 End Date 7/31/2021

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
7 / 1	7 : 1	5.30	21.03	21.01	66.53	620.94	3.71	61.87	Pass	Feed
7 / 2	7 : 25	5.14	20.99	20.96	171.64	121.64	0.65	64.01	Pass	Feed
7 / 3	1 : 23	5.30	20.96	20.93	72.27	621.60	3.61	66.24	Pass	Feed
7 / 4	2 : 3	5.30	21.03	21.00	77.00	535.62	3.22	64.51	Pass	Feed
7 / 5	10 : 10	5.30	21.09	21.07	77.00	710.61	4.62	61.24	Pass	Feed
7 / 6	7 : 25	5.30	20.95	20.93	68.86	672.31	4.02	61.28	Pass	Feed
7 / 7	10 : 13	5.30	21.05	21.02	63.52	734.82	4.76	60.72	Pass	Feed
7 / 8	7 : 33	5.30	21.01	20.99	64.94	697.70	4.54	61.08	Pass	Feed
7 / 9	6 : 56	5.04	20.83	20.80	173.04	121.29	0.63	63.56	Pass	Feed
7 / 10	1 : 56	5.30	20.98	20.95	76.03	579.75	3.29	64.05	Pass	Feed
7 / 11	2 : 4	5.30	20.92	20.89	79.62	497.97	2.98	64.45	Pass	Feed
7 / 12	7 : 58	5.30	20.90	20.88	66.18	703.44	4.31	63.26	Pass	Feed
7 / 13	6 : 17	5.30	20.99	20.96	67.14	639.92	4.23	62.73	Pass	Feed
7 / 14	9 : 17	5.30	20.97	20.94	63.25	758.75	4.77	61.09	Pass	Feed
7 / 15	6 : 21	5.30	20.96	20.93	69.23	652.58	3.97	62.14	Pass	Feed
7 / 16	6 : 23	4.87	21.11	21.07	181.95	122.13	0.58	64.21	Pass	Feed
7 / 16	16 : 38	5.30	20.93	20.91	181.95	615.46	3.52	60.94	Pass	Feed
7 / 17	1 : 36	5.16	21.11	21.07	71.44	638.27	3.77	63.07	Pass	Feed
7 / 18	1 : 37	5.13	20.84	20.80	76.68	526.86	3.19	63.63	Pass	Feed
7 / 19	6 : 41	4.90	20.86	20.82	173.49	122.41	0.62	64.83	Pass	Feed
7 / 19	8 : 54	5.05	21.19	21.15	67.09	644.53	4.31	62.02	Pass	Feed
7 / 20	7 : 8	5.30	21.11	21.08	69.22	621.52	4.03	61.75	Pass	Feed
7 / 21	9 : 9	5.30	20.90	20.87	58.06	974.38	5.63	60.48	Pass	Feed
7 / 22	7 : 5	5.30	20.97	20.94	63.69	681.70	4.72	59.64	Pass	Feed
7 / 23	6 : 25	4.90	21.04	20.99	119.22	260.38	1.35	61.69	Pass	Feed
7 / 23	13 : 7	5.30	21.04	21.01	67.14	722.26	4.28	59.02	Pass	Feed
7 / 24	1 : 21	5.30	20.93	20.90	78.21	568.46	3.10	63.23	Pass	Feed
7 / 25	1 : 48	5.30	20.98	20.95	78.35	539.97	3.09	64.32	Pass	Feed
7 / 26	8 : 46	5.28	20.93	20.90	126.05	255.39	1.19	63.31	Pass	Feed
7 / 27	7 : 45	5.30	20.96	20.92	66.81	754.55	4.25	63.32	Pass	Feed
7 / 28	8 : 47	5.30	21.06	21.04	70.17	655.11	3.91	60.22	Pass	Feed
7 / 29	6 : 48	5.30	20.93	20.89	64.35	783.37	4.57	62.97	Pass	Feed
7 / 29	6 : 48	5.30	20.93	20.89	64.35	865.24	4.36	60.68	Pass	Feed
7 / 29	6 : 48	5.30	20.93	20.89	64.35	865.24	4.36	60.68	Pass	Feed
7 / 30	8 : 18	5.30	20.90	20.88	70.46	714.76	3.82	60.81	Pass	Feed
7 / 31	6 : 59	5.30	20.95	20.92	67.27	743.71	4.22	59.36	Pass	Feed

Start Date	End Date
7/1/2021	7/31/2021

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
7 / 1	9 : 48	5.30	20.99	20.98	77.86	690.42	3.49	60.90	Pass	Feed
7 / 2	8 : 18	5.30	21.15	21.13	77.86	729.44	3.74	60.12	Pass	Feed
7 / 3	3 : 54	5.30	20.98	20.95	75.10	723.53	3.36	65.04	Pass	Feed
7 / 4	3 : 46	5.30	21.02	20.98	93.76	502.27	2.17	64.11	Pass	Feed
7 / 5	9 : 25	5.30	21.01	20.98	153.35	205.01	0.81	66.89	Pass	Feed
7 / 6	10 : 27	5.30	20.82	20.81	153.35	732.10	3.52	60.15	Pass	Feed
7 / 7	9 : 33	5.30	21.03	21.01	153.35	789.28	3.83	61.07	Pass	Feed
7 / 8	8 : 24	5.30	21.19	21.17	153.35	781.06	3.84	60.54	Pass	Feed
7 / 9	8 : 28	5.30	21.13	21.12	153.35	881.72	4.60	59.34	Pass	Feed
7 / 10	3 : 50	5.30	21.10	21.07	80.34	639.37	2.97	63.60	Pass	Feed
7 / 11	3 : 37	5.30	21.00	20.96	100.47	454.85	1.88	64.09	Pass	Feed
7 / 12	8 : 35	5.30	21.09	21.07	100.47	733.02	3.47	61.66	Pass	Feed
7 / 13	9 : 12	5.30	20.63	20.61	100.47	715.07	3.52	61.14	Pass	Feed
7 / 14	8 : 24	5.30	21.14	21.12	73.57	720.13	3.57	62.58	Pass	Feed
7 / 15	8 : 27	5.30	21.11	21.09	73.57	777.36	3.39	60.90	Pass	Feed
7 / 16	8 : 28	5.30	20.91	20.90	73.57	732.78	3.07	59.55	Pass	Feed
7 / 17	3 : 23	5.30	21.02	21.00	82.64	700.12	2.80	62.70	Pass	Feed
7 / 18	4 : 13	5.30	21.01	20.98	98.30	489.94	1.97	62.93	Pass	Feed
7 / 19	9 : 30	5.30	21.10	21.09	98.30	747.73	3.44	60.68	Pass	Feed
7 / 20	9 : 17	5.30	21.05	21.04	98.30	721.02	3.16	60.41	Pass	Feed
7 / 21	8 : 42	5.30	21.10	21.08	98.30	514.50	2.29	60.89	Pass	Feed
7 / 22	8 : 48	5.30	21.08	21.06	98.30	749.03	3.43	58.86	Pass	Feed
7 / 23	9 : 31	5.30	21.05	21.04	98.30	616.57	2.65	59.76	Pass	Feed
7 / 24	3 : 17	5.30	21.16	21.14	98.30	623.43	2.81	62.86	Pass	Feed
7 / 25	3 : 53	5.30	20.96	20.94	81.76	634.49	2.84	63.93	Pass	Feed
7 / 26	10 : 34	5.30	21.15	21.13	81.76	303.47	1.42	62.48	Pass	Feed
7 / 27	8 : 23	5.30	21.09	21.07	81.76	832.33	3.72	62.51	Pass	Feed
7 / 28	9 : 12	5.30	20.97	20.96	81.76	1094.38	5.55	60.10	Pass	Feed
7 / 29	8 : 18	5.30	21.04	21.03	81.76	835.96	3.96	61.74	Pass	Feed
7 / 29	8 : 18	5.30	21.04	21.03	81.76	864.72	4.36	60.67	Pass	Feed
7 / 29	8 : 18	5.30	21.04	21.03	81.76	864.72	4.36	60.67	Pass	Feed
7 / 30	7 : 40	5.30	21.19	21.18	159.74	190.05	0.76	65.95	Pass	Feed
7 / 31	7 : 24	5.30	20.95	20.94	75.28	713.82	3.37	59.11	Pass	Feed

Start Date	End Date
7/1/2021	7/31/2021

Lebanon WTP MIT / LRV Test Results Report UF 3

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV: Temp F	4.0 Pass / Fail	MIT Type
7 / 1	10 : 34	5.30	21.13	21.13	60.12	756.56	2.96	60.31	Pass	Feed
7 / 2	10 : 19	5.30	20.95	20.96	60.12	679.89	2.92	59.30	Pass	Feed
7 / 3	5 : 49	5.30	20.96	20.96	60.12	628.18	2.48	63.74	Pass	Feed
7 / 4	5 : 35	5.30	21.11	21.10	60.12	457.60	1.75	63.53	Pass	Feed
7 / 5	10 : 37	5.30	21.11	21.12	60.12	731.62	3.05	60.50	Pass	Feed
7 / 6	8 : 29	5.30	21.09	21.09	60.12	678.11	2.80	60.89	Pass	Feed
7 / 7	10 : 39	5.30	21.05	21.05	60.12	639.71	3.11	60.45	Pass	Feed
7 / 8	10 : 23	5.30	21.11	21.12	60.12	715.23	3.34	59.72	Pass	Feed
7 / 9	10 : 41	5.30	21.06	21.06	60.12	733.73	3.18	58.80	Pass	Feed
7 / 10	6 : 0	5.30	21.02	21.02	60.12	577.85	2.40	62.86	Pass	Feed
7 / 11	6 : 7	5.30	21.03	21.03	60.12	502.10	1.98	63.36	Pass	Feed
7 / 12	10 : 33	5.30	21.19	21.20	60.12	688.30	3.21	60.71	Pass	Feed
7 / 13	8 : 24	5.30	21.08	21.08	60.12	695.44	3.45	61.53	Pass	Feed
7 / 14	10 : 31	5.30	21.15	21.16	60.12	898.05	4.05	60.57	Pass	Feed
7 / 15	10 : 19	5.30	20.84	20.84	60.12	715.41	3.03	59.85	Pass	Feed
7 / 16	10 : 20	5.30	21.14	21.14	60.12	613.88	2.74	59.17	Pass	Feed
7 / 17	5 : 41	5.30	21.02	21.01	60.12	622.95	2.82	62.15	Pass	Feed
7 / 18	5 : 44	5.30	21.23	21.22	60.12	481.19	1.88	62.56	Pass	Feed
7 / 19	10 : 39	5.30	21.10	21.11	60.12	195.80	0.79	60.72	Pass	Feed
7 / 20	8 : 40	5.30	21.11	21.11	60.12	611.85	2.64	60.95	Pass	Feed
7 / 21	4 : 26	5.30	21.05	21.04	60.12	210.47	0.81	63.62	Pass	Feed
7 / 22	10 : 19	5.30	21.15	21.15	60.12	755.09	2.98	58.63	Pass	Feed
7 / 23	10 : 33	5.30	21.10	21.10	60.12	661.00	2.52	59.50	Pass	Feed
7 / 24	5 : 52	5.30	21.08	21.07	60.12	651.13	2.45	61.95	Pass	Feed
7 / 25	6 : 1	5.30	21.02	21.02	60.12	549.33	2.20	63.30	Pass	Feed
7 / 26	11 : 9	5.30	21.07	21.08	60.12	262.29	1.08	61.86	Pass	Feed
7 / 27	10 : 22	5.30	21.15	21.16	60.12	855.72	3.23	61.49	Pass	Feed
7 / 28	9 : 47	5.30	21.22	21.23	60.12	1086.83	4.87	60.07	Pass	Feed
7 / 29	10 : 50	5.30	21.14	21.14	60.12	801.39	2.97	61.01	Pass	Feed
7 / 29	10 : 50	5.30	21.14	21.14	60.12	792.18	3.05	60.66	Pass	Feed
7 / 29	10 : 50	5.30	21.14	21.14	60.12	792.18	3.05	60.66	Pass	Feed
7 / 30	8 : 43	5.30	21.16	21.17	83.96	705.75	2.76	60.46	Pass	Feed
7 / 31	8 : 42	5.30	21.10	21.10	78.43	742.03	3.15	58.86	Pass	Feed

Start Date	End Date
7/1/2021	7/31/2021

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
7 / 1	12 : 41	5.30	21.00	21.01	66.74	658.40	3.26	59.67	Pass	Feed
7 / 2	12 : 20	5.30	20.50	20.51	66.74	849.36	3.51	59.70	Pass	Feed
7 / 3	7 : 17	5.30	20.90	20.90	66.74	629.22	3.01	62.62	Pass	Feed
7 / 4	7 : 36	5.30	21.05	21.05	66.74	539.61	2.46	62.57	Pass	Feed
7 / 5	12 : 30	5.30	20.89	20.91	66.74	234.82	0.78	60.06	Pass	Feed
7 / 6	8 : 4	5.30	21.05	21.05	66.74	689.15	3.83	60.89	Pass	Feed
7 / 7	12 : 51	5.30	20.52	20.53	66.74	723.31	2.96	59.45	Pass	Feed
7 / 8	12 : 28	5.30	20.93	20.94	66.74	750.64	3.18	58.42	Pass	Feed
7 / 9	12 : 35	5.30	20.91	20.92	66.74	677.00	2.99	58.63	Pass	Feed
7 / 10	7 : 36	5.30	20.93	20.93	66.74	578.09	2.24	62.09	Pass	Feed
7 / 11	7 : 27	5.30	21.04	21.03	66.74	704.20	3.09	62.18	Pass	Feed
7 / 12	12 : 36	5.30	20.95	20.93	66.74	697.29	3.06	60.04	Pass	Feed
7 / 13	7 : 55	5.30	21.11	21.11	66.74	711.41	3.27	61.92	Pass	Feed
7 / 14	12 : 18	5.30	20.92	20.94	66.74	899.30	4.43	59.96	Pass	Feed
7 / 15	12 : 22	5.30	20.93	20.94	66.74	728.92	3.90	58.70	Pass	Feed
7 / 16	12 : 30	5.30	20.90	20.91	66.74	654.59	3.13	58.74	Pass	Feed
7 / 17	7 : 48	5.30	20.89	20.89	66.74	633.20	3.13	60.83	Pass	Feed
7 / 18	7 : 43	5.30	21.00	21.00	66.74	491.23	1.99	61.40	Pass	Feed
7 / 19	12 : 35	5.30	20.83	20.85	66.74	680.49	3.45	59.67	Pass	Feed
7 / 20	7 : 34	5.30	20.71	20.71	66.74	586.63	3.04	61.38	Pass	Feed
7 / 21	5 : 5	5.30	21.01	21.00	66.74	256.08	1.15	63.46	Pass	Feed
7 / 22	10 : 53	5.30	21.01	21.01	66.74	904.36	4.05	58.43	Pass	Feed
7 / 23	12 : 26	5.30	21.06	21.07	66.74	619.35	2.93	58.90	Pass	Feed
7 / 24	7 : 29	5.30	20.98	20.98	66.74	600.78	2.90	61.19	Pass	Feed
7 / 25	7 : 41	5.30	20.99	20.99	66.74	627.19	2.75	62.51	Pass	Feed
7 / 26	13 : 12	5.30	20.90	20.92	66.74	300.91	1.24	61.09	Pass	Feed
7 / 27	11 : 19	5.30	20.96	20.97	66.74	869.72	3.89	61.20	Pass	Feed
7 / 28	6 : 19	5.30	20.89	20.88	66.74	202.10	0.62	65.79	Pass	Feed
7 / 29	10 : 11	5.30	20.98	20.99	66.74	832.21	3.05	61.20	Pass	Feed
7 / 29	10 : 11	5.30	20.98	20.99	66.74	843.66	3.07	60.67	Pass	Feed
7 / 29	10 : 11	5.30	20.98	20.99	66.74	843.66	3.07	60.67	Pass	Feed
7 / 30	9 : 53	5.30	20.92	20.93	80.80	765.17	2.91	60.48	Pass	Feed
7 / 31	10 : 34	5.30	20.98	20.99	76.32	813.80	3.29	58.76	Pass	Feed