

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

County: **Linn**
 Month/Year: **9/2021**
 Membrane

System Name: Lebanon, City of			ID#: 41-00473				Highest Reading of the day ¹ [NTU]
Day	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	
1	OFF	OFF	0.021	0.013	0.015	0.020	0.043
2	0.022	0.022	0.017	0.015	OFF	OFF	0.024
3	OFF	OFF	OFF	0.022	0.022	0.022	0.045
4	0.022	0.017	0.024	0.022	0.022	0.024	0.024
5	0.024	0.015	0.024	0.024	OFF	OFF	0.026
6	OFF	OFF	0.030	0.024	0.024	0.015	0.046
7	0.026	0.026	0.026	0.015	0.026	OFF	0.028
8	OFF	OFF	0.026	0.015	0.015	0.026	0.043
9	0.028	0.028	0.015	0.026	OFF	OFF	0.030
10	OFF	OFF	0.026	0.026	0.026	0.026	0.028
11	0.015	0.028	0.028	0.028	0.028	0.028	0.030
12	0.015	0.030	0.015	0.015	OFF	OFF	0.030
13	OFF	OFF	0.013	0.028	0.028	0.030	0.047
14	0.015	0.032	0.032	0.030	OFF	OFF	0.032
15	OFF	OFF	0.015	0.015	0.015	0.028	0.030
16	0.013	0.030	0.030	OFF	OFF	OFF	0.032
17	OFF	OFF	0.030	0.017	0.015	0.015	0.020
18	0.017	0.015	0.015	0.017	0.017	0.017	0.019
19	0.015	0.017	0.017	0.017	OFF	OFF	0.019
20	OFF	OFF	OFF	0.015	0.015	0.017	0.033
21	0.017	0.017	0.017	OFF	OFF	OFF	0.021
22	OFF	OFF	OFF	0.017	0.013	0.015	0.046
23	0.017	0.015	0.015	0.017	OFF	OFF	0.021
24	OFF	OFF	OFF	0.017	0.017	0.013	0.043
25	0.019	0.019	0.019	0.013	0.019	0.019	0.021
26	0.019	0.020	0.020	0.021	OFF	OFF	0.020
27	OFF	OFF	OFF	0.013	0.021	0.020	0.048
28	0.021	0.021	0.022	OFF	OFF	OFF	0.022
29	OFF	OFF	0.030	0.011	0.020	0.022	0.041
30	0.022	0.024	0.024	OFF	OFF	OFF	0.024
31	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings \leq 1 NTU? ² <input checked="" type="radio"/> Yes / No	CT's met everyday? <input checked="" type="radio"/> Yes / No	All Cl ₂ residual at entry point \geq 0.2 mg/l? <input checked="" type="radio"/> Yes / No
All daily turbidity readings \leq 5 NTU? <input checked="" type="radio"/> Yes / No		

Notes: OFF = PLANT OFF

PRINTED NAME: *Chris Germond*

SIGNATURE: *Chris Germond* DATE: *10/6/21*

PHONE #: *541-405-5970* CERT #: *T-08687*

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: 9/2021

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]
9/1/2021 6:18	0.9	71	61	16	7.7	16	Yes	3370
9/2/2021 1:28	1.0	74	75	16	8.0	18	Yes	3322
9/3/2021 8:20	0.9	70	59	15	7.7	17	Yes	3466
9/4/2021 0:50	1.0	70	71	16	7.9	18	Yes	3411
9/5/2021 1:36	1.0	72	72	17	7.9	17	Yes	3349
9/6/2021 8:08	0.8	72	60	16	7.6	16	Yes	3336
9/7/2021 0:44	1.0	71	71	17	7.9	17	Yes	3361
9/8/2021 7:35	0.9	70	61	15	7.8	17	Yes	3471
9/9/2021 0:38	1.0	65	65	17	7.8	16	Yes	3831
9/10/2021 7:08	0.8	73	62	16	7.7	16	Yes	3313
9/11/2021 23:35	1.0	72	72	15	7.8	19	Yes	3336
9/12/2021 2:23	1.0	72	70	16	8.1	19	Yes	3311
9/13/2021 22:46	0.7	72	49	15	7.8	17	Yes	3394
9/14/2021 8:22	0.7	72	52	16	7.8	17	Yes	3320
9/15/2021 6:42	0.8	71	59	15	7.4	16	Yes	3370
9/16/2021 1:14	1.0	76	77	16	7.8	17	Yes	3271
9/17/2021 11:13	0.8	72	59	15	7.4	16	Yes	3312
9/18/2021 20:08	0.9	71	65	16	7.9	18	Yes	3354
9/19/2021 4:32	0.9	124	112	15	7.8	18	Yes	1918
9/20/2021 11:42	0.7	71	46	15	7.6	16	Yes	3389
9/21/2021 10:15	1.2	75	89	16	7.8	17	Yes	3294
9/22/2021 9:21	0.9	71	64	15	7.4	15	Yes	3368
9/23/2021 1:21	1.0	73	76	16	7.8	17	Yes	3285
9/24/2021 9:51	0.8	69	57	15	7.5	16	Yes	3459
9/25/2021	1.0	70	69	16	7.8	17	Yes	3409
9/26/2021	1.0	77	74	17	7.9	17	Yes	3126
9/27/2021	0.8	72	58	16	7.6	16	Yes	3366
9/28/2021	0.8	72	57	15	7.6	17	Yes	3298
9/29/2021	0.7	73	50	15	7.5	15	Yes	3278
9/30/2021	1.0	73	76	17	7.8	16	Yes	3319
31	#N/A		#N/A	#N/A	#N/A	#N/A		#N/A

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

OHA - Drinking Water Program - Surface Water Quality Data Form

Notes:

9/1/21	UF1 train turbidity high 0.050 at startup, 0.018 NTU of all day. Highest turbidity of individual trains is UF3 0.043.
9/5/21	UF2 train turbidity high 0.68 NTU after an MC, 0.013 NTU high of all day. Highest turbidity of individual trains is UF3 at 0.026 NTU.
9/10/21	UF1 turbidity high 0.053 NTU after startup, highest NTU of all day 0.015 NTU. UF3 turbidity high 0.052 NTU after startup, highest NTU of all day 0.028 NTU. Highest turbidity of individual trains is UF3 at 0.028 NTU.
9/12/21	UF2 turbidity high 0.061 NTU after startup, highest NTU of all day 0.015 NTU. Highest turbidity of individual trains is UF3 at 0.030 NTU.
9/15/21	UF1 turbidity high 0.050 NTU after startup, highest NTU of all day 0.017 NTU. UF3 turbidity high 0.054 NTU after startup, highest NTU of all day 0.030 NTU. Highest turbidity of individual trains is UF3 0.030 NTU.
9/17/21	UF1 turbidity high 0.054 NTU after startup, highest NTU of all day 0.017 NTU. UF3 turbidity high 1.064 NTU while plant was off, not sure why value was grabbed. Highest NTU of day was 0.017 NTU. Highest turbidity of individual trains is UF4 0.020 NTU.
9/20/21	UF1 turbidity high 0.056 NTU while plant was off, not sure why value was grabbed. Highest NTU of day was 0.019 NTU. UF3 turbidity high 0.056 NTU while plant was off, not sure why value was grabbed. Highest NTU of day was 0.018 NTU. Highest turbidity of individual trains is UF2 0.033 NTU.
9/22/21	UF1 turbidity high 0.071 NTU after startup, highest NTU of all day 0.017 NTU. Highest turbidity of individual trains is UF30 0.046 NTU.
9/26/21	UF2 turbidity high 0.055 NTU after an MC, highest NTU of all day 0.013 NTU. Highest turbidity of individual trains is UF3 0.020 NTU.
9/29/21	UF1 turbidity high 0.117 NTU after startup, highest NTU of all day 0.017 NTU. Highest turbidity of individual trains is UF3 0.041 NTU.

OHA - Drinking Water Program - Surface Water Quality Data Form

Notes:

9/14/2021	CL-17 read 0 mg/L at 08:13 caused by maintenance on CL-17. Lowest chlorine during highest
	peak flow 3320 gpm was 0.72 mg/L at 01:33.

Start Date End Date
9/1/2021 9/30/2021

Lebanon WTP MIT / LRV Test Results Report UF 1

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV:	4.0	
								Temp F	Pass / Fail	MIT Type
9 / 1	8 : 23	5.22	20.97	20.94	181.82	133.88	0.58	62.69	Pass	Feed
9 / 2	7 : 15	4.89	21.01	20.94	75.43	784.26	3.39	57.67	Pass	Feed
9 / 3	10 : 28	5.00	21.09	21.03	70.17	824.33	3.95	56.13	Pass	Feed
9 / 4	6 : 23	4.91	20.96	20.89	80.31	712.55	2.98	57.51	Pass	Feed
9 / 5	6 : 54	4.78	20.81	20.73	93.12	545.95	2.18	58.64	Pass	Feed
9 / 6	8 : 16	4.57	20.97	20.91	164.66	156.89	0.70	62.59	Pass	Feed
9 / 7	6 : 55	5.24	20.91	20.86	66.66	884.94	4.29	59.10	Pass	Feed
9 / 7	14 : 22	4.87	21.04	20.96	64.60	942.56	4.64	56.73	Pass	Feed
9 / 7	15 : 2	4.97	20.83	20.77	79.48	729.15	3.01	57.45	Pass	Feed
9 / 7	15 : 30	5.23	21.00	20.95	80.05	729.15	3.01	57.45	Pass	Feed
9 / 7	15 : 54	5.30	20.97	20.93	79.95	729.15	3.01	57.45	Pass	Feed
9 / 8	8 : 53	4.95	20.93	20.86	66.26	885.94	4.36	57.18	Pass	Feed
9 / 9	6 : 57	5.30	21.02	21.00	66.52	889.52	4.35	58.53	Pass	Feed
9 / 10	8 : 6	4.57	21.42	21.35	165.82	160.22	0.72	63.70	Pass	Feed
9 / 10	11 : 20	5.30	20.91	20.88	69.33	814.56	3.99	56.50	Pass	Feed
9 / 11	6 : 49	5.30	21.01	20.99	69.22	814.23	4.04	56.10	Pass	Feed
9 / 12	6 : 44	5.05	20.74	20.69	110.01	394.12	1.55	57.92	Pass	Feed
9 / 13	7 : 8	4.56	20.85	20.78	171.49	160.27	0.64	61.62	Pass	Feed
9 / 13	13 : 31	5.30	20.86	20.86	66.33	914.97	4.33	56.58	Pass	Feed
9 / 13	13 : 59	5.30	20.91	20.90	66.47	914.97	4.33	56.58	Pass	Feed
9 / 14	9 : 42	5.30	20.91	20.91	63.21	929.83	4.81	54.84	Pass	Feed
9 / 15	9 : 34	4.95	20.96	20.89	55.83	762.00	4.04	54.25	Pass	Feed
9 / 16	10 : 39	5.30	20.95	20.95	70.33	760.86	3.90	54.12	Pass	Feed
9 / 16	14 : 20	5.21	20.91	20.86	75.13	742.98	3.41	54.07	Pass	Feed
9 / 16	14 : 44	5.30	20.95	20.93	75.28	742.98	3.41	54.07	Pass	Feed
9 / 17	12 : 37	5.16	20.76	20.71	81.91	647.92	2.82	55.59	Pass	Feed
9 / 17	15 : 40	5.30	20.95	20.91	81.13	758.10	2.92	57.57	Pass	Feed
9 / 18	9 : 20	5.30	20.75	20.73	68.14	798.39	4.07	56.71	Pass	Feed
9 / 19	9 : 20	5.30	21.01	20.99	125.47	303.65	1.23	56.16	Pass	Feed
9 / 20	13 : 16	5.30	20.91	20.87	64.29	906.31	4.63	56.81	Pass	Feed
9 / 21	10 : 21	5.30	20.54	20.54	61.30	974.74	4.95	55.43	Pass	Feed
9 / 22	9 : 50	4.67	20.69	20.62	174.69	197.61	0.61	59.70	Pass	Feed
9 / 22	11 : 13	4.92	20.83	20.75	56.56	1104.41	5.94	56.54	Pass	Feed
9 / 22	16 : 18	4.82	20.70	20.62	68.26	814.94	4.01	59.50	Pass	Feed
9 / 23	9 : 17	5.30	20.95	20.95	65.76	887.07	4.45	55.83	Pass	Feed
9 / 24	11 : 3	5.25	20.70	20.66	95.80	527.42	2.05	56.25	Pass	Feed
9 / 25	9 : 17	5.30	20.72	20.68	69.92	761.64	3.85	56.70	Pass	Feed
9 / 26	9 : 31	5.06	20.73	20.68	79.65	627.49	2.97	56.55	Pass	Feed
9 / 27	12 : 41	4.93	20.65	20.58	75.14	813.82	3.31	58.17	Pass	Feed
9 / 27	13 : 52	5.30	20.84	20.82	75.76	813.82	3.31	58.17	Pass	Feed
9 / 28	9 : 48	5.30	20.75	20.73	62.20	919.94	4.87	57.46	Pass	Feed
9 / 29	9 : 22	5.30	20.65	20.63	62.13	911.30	4.84	57.51	Pass	Feed
9 / 30	9 : 57	5.14	20.72	20.68	92.71	511.27	2.19	57.51	Pass	Feed
9 / 30	11 : 21	5.20	20.58	20.54	93.37	506.15	2.13	57.47	Pass	Feed
9 / 30	13 : 2	5.07	16.75	16.66	89.73	496.46	1.99	57.68	Pass	FILT
9 / 30	13 : 30	5.01	16.46	16.35	88.48	496.46	1.99	57.68	Pass	FILT
9 / 30	13 : 53	4.99	16.76	16.65	89.74	496.46	1.99	57.68	Pass	FILT

Lebanon WTP MIT / LRV Test Results Report UF 2

Notes:

9/15/21:	Our database had issues on 9/15 - 9/16 and we lost data. We take handwritten values which we put for the 15th. The psi/min drop was -0.004.
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Lebanon WTP MIT / LRV Test Results Report UF 3

Notes:

9/15/21:	Our database had issues on 9/15 - 9/16 and we lost data. We take handwritten values which we put for the 15th. The psi/min drop was -0.004.
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Start Date End Date
 9/1/2021 9/30/2021

Lebanon WTP MIT / LRV Test Results Report UF 4

Month	Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Min LRV:	4.0	
									Temp F	Pass / Fail	MIT Type
9 / 1	8 : 51	5.30	21.01	21.01	80.28	675.47	2.99	57.99	Pass	Feed	
9 / 2	9 : 46	5.30	20.96	20.96	68.91	893.01	4.05	56.69	Pass	Feed	
9 / 3	9 : 47	5.30	20.99	20.99	77.33	793.60	3.22	56.77	Pass	Feed	
9 / 4	9 : 23	5.30	21.18	21.18	77.79	736.85	3.24	55.99	Pass	Feed	
9 / 5	9 : 33	5.30	21.04	21.05	73.56	809.46	3.58	56.97	Pass	Feed	
9 / 6	10 : 45	5.30	21.19	21.20	76.48	796.06	3.35	57.02	Pass	Feed	
9 / 7	9 : 49	5.30	21.05	21.05	72.58	861.97	3.68	56.74	Pass	Feed	
9 / 8	9 : 41	5.30	21.03	21.04	66.11	1098.40	4.42	57.04	Pass	Feed	
9 / 9	10 : 32	5.30	21.10	21.12	69.49	903.06	4.03	56.06	Pass	Feed	
9 / 10	10 : 57	5.30	20.85	20.86	71.92	829.09	3.68	56.55	Pass	Feed	
9 / 11	9 : 30	5.30	21.12	21.12	91.81	570.05	2.32	55.64	Pass	Feed	
9 / 12	9 : 40	5.30	21.14	21.14	70.40	880.48	3.95	56.00	Pass	Feed	
9 / 13	11 : 36	5.30	20.96	20.97	75.04	823.01	3.42	55.47	Pass	Feed	
9 / 14	7 : 11	5.30	20.95	20.95	87.76	656.18	2.50	56.46	Pass	Feed	
9 / 15	10 : 19	5.30							Pass	Feed	
9 / 16	6 : 51	5.30	21.01	21.01	73.10	727.96	3.14	54.55	Pass	Feed	
9 / 17	12 : 17	5.30	21.07	21.09	77.79	762.19	3.21	55.84	Pass	Feed	
9 / 18	6 : 33	5.30	21.05	21.06	81.57	734.64	2.91	57.96	Pass	Feed	
9 / 19	6 : 24	5.30	20.89	20.89	129.12	315.83	1.15	56.93	Pass	Feed	
9 / 20	11 : 57	5.30	20.86	20.86	160.35	242.28	0.74	60.83	Pass	Feed	
9 / 21	7 : 10	5.30	21.06	21.06	68.36	921.02	4.15	56.42	Pass	Feed	
9 / 22	8 : 32	5.30	20.80	20.80	72.18	879.17	3.65	56.00	Pass	Feed	
9 / 23	6 : 17	5.30	20.88	20.88	82.13	762.49	2.83	57.14	Pass	Feed	
9 / 24	10 : 31	5.30	20.97	20.97	159.10	256.81	0.75	60.63	Pass	Feed	
9 / 25	6 : 43	5.30	21.00	21.00	89.01	695.08	2.43	58.15	Pass	Feed	
9 / 26	7 : 11	5.30	20.96	20.96	143.47	298.24	0.93	58.38	Pass	Feed	
9 / 27	11 : 33	5.30	20.86	20.86	155.60	268.38	0.78	62.80	Pass	Feed	
9 / 28	7 : 25	5.30	20.70	20.70	72.98	854.96	3.52	57.86	Pass	Feed	
9 / 29	11 : 57	5.30	20.77	20.78	161.19	250.32	0.72	59.19	Pass	Feed	
9 / 30	6 : 31	5.30	20.76	20.75	78.19	798.14	3.08	58.89	Pass	Feed	

Lebanon WTP MIT / LRV Test Results Report UF 3

Notes:

9/15/21:	Our database had issues on 9/15 - 9/16 and we lost data. We take handwritten values which we put for the 15th. The psi/min drop was -0.006.
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