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

County: Linn
Month/Year: 11/2022

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	0.017	0.020	0.020	0.020	0.020	OFF	0.030
2	OFF	OFF	0.015	0.017	0.020	0.015	0.022
3	0.015	0.020	OFF	OFF	OFF	OFF	0.048
4	OFF	OFF	OFF	OFF	0.015	0.020	0.015
5	0.020	0.015	0.022	0.024	0.017	OFF	0.031
6	OFF	OFF	OFF	OFF	OFF	OFF	0.000
7	OFF	OFF	0.015	0.020	0.020	0.015	0.026
8	0.020	0.015	0.020	OFF	OFF	OFF	0.026
9	OFF	OFF	OFF	0.016	0.015	0.020	0.048
10	0.020	0.016	0.017	OFF	OFF	OFF	0.021
11	OFF	OFF	OFF	OFF	0.019	0.019	0.039
12	0.019	0.019	0.019	0.019	0.019	OFF	0.021
13	OFF	OFF	OFF	OFF	OFF	OFF	0.000
14	OFF	OFF	0.016	0.019	0.019	0.019	0.045
15	0.016	0.019	0.019	OFF	OFF	OFF	0.019
16	OFF	OFF	0.015	0.015	0.013	OFF	0.035
17	OFF	OFF	0.015	0.015	OFF	OFF	0.020
18	OFF	OFF	OFF	0.015	0.015	0.015	0.032
19	0.015	0.015	0.015	0.015	0.015	0.015	0.019
20	OFF	OFF	OFF	OFF	OFF	OFF	0.000
21	OFF	OFF	0.015	0.015	0.017	OFF	0.020
22	OFF	OFF	0.018	0.017	0.015	OFF	0.042
23	OFF	OFF	0.016	0.018	0.013	0.015	0.035
24	OFF	OFF	OFF	0.017	0.017	0.016	0.035
25	OFF	OFF	OFF	OFF	0.016	0.017	0.037
26	0.015	OFF	0.015	0.015	0.015	0.016	0.025
27	OFF	OFF	OFF	OFF	OFF	OFF	0.000
28	OFF	OFF	0.015	0.015	0.015	OFF	0.022
29	OFF	OFF	0.015	0.017	0.017	OFF	0.032
30	OFF	OFF	0.015	0.015	0.016	0.015	0.048
31	No Data	No Data	No Data	No Data	No Data	No Data	No Data

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? **Yes / No**

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

Notes: OFF = PLANT OFF

PRINTED NAME: Chris Germond

SIGNATURE: Chris Germond **DATE:** 12/7/22

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

System Name: Lebanon, CITY OF | ID#: 41-00473 | Month/Year: 11/2022 | 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]
11/1/2022 10:31	1.0	69	69	14	7.7	19	Yes	2901
11/2/2022 6:54	0.8	72	61	14	7.8	20	Yes	3271
11/3/2022 3:07	1.1	75	80	13	7.9	22	Yes	2919
11/4/2022 14:09	0.8	67	52	14	7.6	18	Yes	3381
11/5/2022 12:27	0.8	67	52	13	7.7	20	Yes	3332
6	#N/A		#N/A	#N/A	#N/A	#N/A		#N/A
11/7/2022 6:33	0.7	65	46	14	7.4	16	Yes	3324
11/8/2022 3:02	1.1	72	81	11	7.6	22	Yes	3053
11/9/2022 11:43	0.6	41	23	13	7.5	18	Yes	4913
11/10/2022 2:42	1.2	64	73	11	7.7	23	Yes	3193
11/11/2022 13:4	0.7	69	45	12	7.5	20	Yes	3189
11/12/2022 14:0	1.2	66	81	11	7.7	24	Yes	3271
13	#N/A		#N/A	#N/A	#N/A	#N/A		#N/A
11/14/2022 6:37	0.8	62	48	12	7.7	21	Yes	3375
11/15/2022 5:02	1.3	63	83	10	7.8	26	Yes	3218
11/16/2022 6:28	1.0	78	79	11	7.6	23	Yes	2828
11/17/2022 6:20	1.1	58	66	11	7.8	24	Yes	3336
11/18/2022 9:58	1.2	61	73	11	7.9	25	Yes	3390
11/19/2022 11:0	1.2	74	91	10	7.7	25	Yes	3239
20	#N/A		#N/A	#N/A	#N/A	#N/A		#N/A
11/21/2022 6:29	1.0	72	70	11	7.9	24	Yes	3341
11/22/2022 6:33	1.2	62	75	12	7.9	24	Yes	3404
11/23/2022 6:19	1.2	64	76	12	7.9	23	Yes	3138
11/24/2022 9:17	1.2	63	75	12	7.8	23	Yes	3313
11/25/2022 12:3	1.2	73	89	12	8.0	25	Yes	3339
11/26/2022 9:16	1.3	81	103	12	7.8	23	Yes	3106
27	#N/A		#N/A	#N/A	#N/A	#N/A		#N/A
11/28/2022 7:03	1.1	66	72	12	8.0	24	Yes	3358
11/29/2022 7:37	1.1	64	73	12	8.1	25	Yes	3387
11/30/2022	1.1	72	82	12	8.0	25	Yes	3392
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.

Revised February 2012

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Notes:

11/9/2022	UF2 had a turbidity spike at 11:04 @ 0.344 likely caused by debris in the turbidimeter. Turbidity was high for only 4 minutes. Found that the turbidimeter valve was faulty and replaced 11/21/2022. Turbidimeter shows slightly high turbidity after a backwash as well. Highest NTU of the day for Train 2 was 0.015 NTU at 18:15.
11/21/2022	Had turbidity spikes on train 2 @ 1404. Spike got to 0.796 and was caused by replacing the turbidity meter valve. 0.020 was the highest NTU of the day for Train 2.

Start Date 11/1/2022 End Date 12/1/2022

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
11 / 1	1 : 46	5.30	21.21	21.19	90.56	623.24	2.41	53.47	Pass	Feed
11 / 2	8 : 7	5.30	21.20	21.21	90.55	614.02	2.41	52.48	Pass	Feed
11 / 3	1 : 46	5.30	21.30	21.32	89.98	593.82	2.47	51.24	Pass	Feed
11 / 4	8 : 12	5.25	21.17	21.13	120.87	368.23	1.35	50.95	Pass	Feed
11 / 5	7 : 35	5.30	21.20	21.19	77.41	750.66	3.31	51.99	Pass	Feed
11 / 7	7 : 34	5.30	21.08	21.09	84.43	659.89	2.75	52.00	Pass	Feed
11 / 8	1 : 40	5.30	21.19	21.21	74.82	704.16	3.56	49.08	Pass	Feed
11 / 9	9 : 6	5.30	21.14	21.11	71.99	722.85	3.83	48.53	Pass	Feed
11 / 10	1 : 40	5.30	21.17	21.19	68.35	772.68	4.26	48.13	Pass	Feed
11 / 11	13 : 52	5.30	21.07	21.06	204.32	130.95	0.47	54.25	Pass	Feed
11 / 12	7 : 52	5.30	21.12	21.15	60.66	896.92	5.39	47.56	Pass	Feed
11 / 14	8 : 30	5.30	21.13	21.16	74.69	726.93	3.57	46.90	Pass	Feed
11 / 15	1 : 22	5.30	21.03	21.04	74.61	675.17	3.54	46.69	Pass	Feed
11 / 16	9 : 33	5.30	21.22	21.26	67.87	709.10	4.36	46.12	Pass	Feed
11 / 17	6 : 57	5.30	21.19	21.23	193.39	777.88	3.49	48.03	Pass	Feed
11 / 18	7 : 34	5.30	20.99	20.99	70.36	899.44	3.95	48.81	Pass	Feed
11 / 19	7 : 47	5.30	21.09	21.09	93.37	473.15	2.28	46.43	Pass	Feed
11 / 21	7 : 24	5.30	21.06	21.08	216.89	115.48	0.41	56.92	Pass	Feed
11 / 22	7 : 3	5.30	21.26	21.27	190.40	124.85	0.54	56.80	Pass	Feed
11 / 23	6 : 24	5.30	21.03	21.01	64.40	928.64	4.72	50.27	Pass	Feed
11 / 24	9 : 25	5.30	21.16	21.15	206.41	126.73	0.46	57.09	Pass	Feed
11 / 25	13 : 36	5.30	21.11	21.13	74.74	809.61	3.53	50.13	Pass	Feed
11 / 26	7 : 27	5.30	21.12	21.15	189.76	137.75	0.54	53.57	Pass	Feed
11 / 28	10 : 23	5.30	21.10	21.11	82.71	759.92	2.88	49.54	Pass	Feed
11 / 29	7 : 53	5.30	21.18	21.21	82.31	747.51	2.93	49.47	Pass	Feed
11 / 30	9 : 40	5.30	21.11	21.14	92.81	577.58	2.29	50.03	Pass	Feed

Start Date 11/1/2022 End Date 12/1/2022

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
11 / 1	2 : 39	5.30	21.08	21.08	85.73	675.30	2.66	53.42	Pass	Feed
11 / 2	7 : 39	5.30	20.66	20.64	184.75	179.16	0.55	59.69	Pass	Feed
11 / 3	2 : 54	5.30	21.03	21.04	89.96	682.83	2.42	51.10	Pass	Feed
11 / 4	7 : 39	5.30	20.97	20.96	134.31	305.76	1.08	50.97	Pass	Feed
11 / 5	8 : 19	5.30	21.03	21.04	104.74	475.73	1.78	51.87	Pass	Feed
11 / 7	7 : 10	5.30	21.00	21.00	77.51	825.76	3.24	52.42	Pass	Feed
11 / 8	2 : 47	5.30	21.09	21.12	73.07	770.73	3.70	48.93	Pass	Feed
11 / 9	9 : 45	5.09	20.88	20.82	66.49	932.03	4.39	48.50	Pass	Feed
11 / 10	2 : 18	5.30	21.00	21.02	70.90	842.90	3.91	48.03	Pass	Feed
11 / 11	16 : 6	5.30	21.04	21.06	86.33	604.68	2.64	48.20	Pass	Feed
11 / 12	8 : 37	5.30	20.95	20.97	83.82	648.71	2.78	47.49	Pass	Feed
11 / 14	6 : 43	4.77	20.97	20.90	157.53	263.23	0.78	56.62	Pass	Feed
11 / 14	7 : 37	5.30	20.95	20.95	73.18	815.47	3.65	48.37	Pass	Feed
11 / 15	2 : 35	5.30	21.02	21.05	78.72	727.96	3.18	46.46	Pass	Feed
11 / 16	10 : 8	5.30	21.01	21.05	70.94	848.62	3.92	46.14	Pass	Feed
11 / 17	7 : 19	5.30	20.88	20.88	74.76	844.76	3.56	48.05	Pass	Feed
11 / 18	8 : 5	5.30	21.11	21.10	76.44	806.54	3.38	48.80	Pass	Feed
11 / 19	8 : 46	5.30	20.94	20.96	94.33	520.60	2.20	46.35	Pass	Feed
11 / 21	7 : 49	5.30	21.14	21.16	75.95	834.69	3.44	48.40	Pass	Feed
11 / 22	7 : 25	5.30	20.98	21.00	81.37	791.35	2.95	49.99	Pass	Feed
11 / 23	10 : 7	5.30	21.02	21.05	77.68	813.63	3.25	49.35	Pass	Feed
11 / 24	10 : 11	5.30	21.05	21.05	78.97	805.66	3.14	50.49	Pass	Feed
11 / 25	12 : 39	4.78	20.91	20.85	192.45	181.38	0.52	57.55	Pass	Feed
11 / 26	8 : 20	5.30	20.94	20.92	97.83	514.53	2.03	49.70	Pass	Feed
11 / 28	7 : 59	5.30	21.01	21.03	200.60	179.61	0.48	58.40	Pass	Feed
11 / 29	7 : 21	5.30	20.99	20.99	78.67	816.73	3.15	50.20	Pass	Feed
11 / 30	6 : 24	5.30	21.01	20.99	185.59	177.02	0.56	58.38	Pass	Feed

Start Date 11/1/2022 End Date 12/1/2022

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
11 / 1	3 : 17	5.30	21.09	21.12	85.12	711.44	2.70	53.33	Pass	Feed
11 / 2	10 : 42	5.30	21.11	21.16	95.61	545.62	2.16	50.64	Pass	Feed
11 / 3	3 : 20	5.30	21.28	21.32	86.04	663.96	2.70	51.09	Pass	Feed
11 / 4	8 : 35	5.30	21.10	21.10	124.46	305.86	1.27	50.97	Pass	Feed
11 / 5	9 : 38	5.30	21.24	21.26	100.96	464.98	1.95	51.73	Pass	Feed
11 / 7	7 : 56	5.30	21.11	21.15	80.66	740.39	3.04	49.71	Pass	Feed
11 / 8	3 : 21	5.30	21.06	21.10	73.22	763.74	3.67	48.90	Pass	Feed
11 / 9	8 : 34	5.30	21.05	21.09	71.09	832.07	3.90	48.49	Pass	Feed
11 / 10	3 : 20	5.30	21.20	21.24	76.59	781.31	3.40	47.77	Pass	Feed
11 / 11	10 : 4	5.30	21.09	21.08	73.05	903.75	3.72	46.47	Pass	Feed
11 / 12	9 : 31	5.30	21.05	21.10	83.32	649.82	2.84	47.48	Pass	Feed
11 / 14	8 : 3	5.30	21.16	21.21	78.59	780.07	3.22	48.10	Pass	Feed
11 / 15	3 : 45	5.30	21.11	21.15	78.59	726.18	3.22	46.21	Pass	Feed
11 / 16	6 : 34	5.30	21.10	21.10	194.39	180.85	0.52	56.22	Pass	Feed
11 / 17	6 : 30	5.30	21.22	21.27	181.39	815.80	3.32	48.03	Pass	Feed
11 / 18	8 : 28	5.30	21.10	21.11	80.36	755.74	3.06	48.81	Pass	Feed
11 / 19	9 : 59	5.30	21.12	21.16	93.19	514.13	2.29	46.35	Pass	Feed
11 / 21	8 : 23	5.30	21.13	21.17	77.22	809.69	3.33	48.27	Pass	Feed
11 / 22	6 : 28	5.30	21.21	21.22	171.90	187.19	0.66	56.80	Pass	Feed
11 / 23	8 : 58	5.30	21.18	21.23	98.01	529.30	2.07	49.35	Pass	Feed
11 / 24	9 : 47	5.30	21.18	21.21	171.01	188.89	0.67	57.08	Pass	Feed
11 / 25	13 : 56	5.30	21.11	21.15	77.01	816.52	3.33	49.67	Pass	Feed
11 / 26	9 : 37	5.30	21.14	21.19	100.85	501.12	1.95	49.30	Pass	Feed
11 / 28	8 : 51	5.30	21.09	21.13	82.38	772.85	2.91	49.57	Pass	Feed
11 / 29	6 : 51	5.30	21.16	21.19	173.77	190.97	0.65	58.41	Pass	Feed
11 / 30	7 : 7	5.30	21.11	21.15	78.33	848.30	3.21	50.73	Pass	Feed

Start Date 11/1/2022 End Date 12/1/2022

Lebanon WTP MIT / LRV Test Results Report UF 4

Min LRV: 4.0

Month Day	Time	LRV Result	Start PSI	End PSI	ALCR	Q(p)	TMP	Temp F	Pass / Fail	MIT Type
11 / 1	4 : 30	5.30	20.95	20.96	88.84	639.97	2.45	53.13	Pass	Feed
11 / 2	7 : 18	5.30	21.10	21.11	212.06	164.04	0.43	59.69	Pass	Feed
11 / 3	4 : 53	5.30	21.18	21.21	141.73	308.44	0.99	51.00	Pass	Feed
11 / 4	9 : 17	5.30	21.00	20.98	148.31	289.37	0.89	50.97	Pass	Feed
11 / 5	11 : 2	5.30	21.07	21.09	95.86	528.61	2.13	51.62	Pass	Feed
11 / 7	6 : 44	5.30	20.95	20.96	167.68	253.07	0.68	60.73	Pass	Feed
11 / 7	8 : 20	5.30	21.00	21.03	83.39	704.68	2.81	49.94	Pass	Feed
11 / 8	4 : 46	5.30	21.09	21.12	76.89	723.70	3.34	48.80	Pass	Feed
11 / 9	10 : 6	5.30	20.93	20.92	74.85	850.09	3.48	48.49	Pass	Feed
11 / 10	4 : 29	5.30	20.99	21.03	70.99	811.53	3.90	47.39	Pass	Feed
11 / 11	14 : 29	5.30	20.98	21.00	190.90	211.36	0.53	54.25	Pass	Feed
11 / 12	10 : 40	5.30	20.98	21.02	82.44	659.70	2.89	47.48	Pass	Feed
11 / 14	7 : 12	5.30	21.14	21.16	188.87	224.52	0.55	56.63	Pass	Feed
11 / 15	4 : 42	5.30	20.95	20.98	77.59	725.40	3.26	46.05	Pass	Feed
11 / 16	6 : 55	5.30	21.08	21.11	188.89	223.94	0.55	56.22	Pass	Feed
11 / 17	7 : 45	5.30	21.09	21.13	80.33	838.48	3.10	48.03	Pass	Feed
11 / 18	9 : 2	5.30	20.97	20.97	80.45	827.25	3.02	48.81	Pass	Feed
11 / 19	10 : 53	5.30	21.08	21.12	97.70	546.64	2.08	46.39	Pass	Feed
11 / 21	8 : 47	5.30	21.02	21.05	73.79	865.75	3.61	48.30	Pass	Feed
11 / 22	7 : 46	5.30	21.01	21.05	79.37	833.41	3.11	49.35	Pass	Feed
11 / 23	9 : 23	5.30	21.08	21.11	97.24	584.81	2.08	49.35	Pass	Feed
11 / 24	10 : 39	5.30	21.04	21.07	73.46	869.92	3.64	50.00	Pass	Feed
11 / 25	13 : 11	5.30	21.05	21.07	210.91	180.56	0.43	57.55	Pass	Feed
11 / 26	10 : 38	5.30	20.94	20.97	95.88	553.97	2.12	49.30	Pass	Feed
11 / 28	8 : 22	5.30	21.11	21.13	81.18	771.49	3.00	49.75	Pass	Feed
11 / 29	6 : 30	5.30	21.12	21.13	195.09	190.36	0.51	58.41	Pass	Feed
11 / 30	6 : 44	5.30	20.95	20.97	220.87	176.40	0.39	58.38	Pass	Feed