

OHA - Drinking Water Services -Turbidity Monitoring Report Form

County: **MARION**

Conventional or Direct Filtration

Month/Year: **Dec-23**

System Name:	SILVERTON, CITY OF			ID#: 4100823	WTP : TP - A		
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	OFF	0.03	0.03	0.03	OFF	0.03	0.11
2	0.03	OFF	0.04	0.04	OFF	0.03	0.09
3	0.04	OFF	OFF	OFF	OFF	OFF	0.07
4	OFF	OFF	0.06	0.03	0.08	0.04	0.23
5	0.06	0.05	0.07	0.04	0.08	0.05	0.18
6	0.06	OFF	0.08	0.04	0.04	0.05	0.11
7	0.11	OFF	0.09	0.05	0.05	0.04	0.13
8	0.05	OFF	0.04	0.04	0.03	0.03	0.10
9	0.06	OFF	0.04	0.04	0.04	OFF	0.16
10	OFF	0.08	0.14	0.03	0.04	0.03	0.24
11	OFF	0.03	0.05	0.05	0.04	OFF	0.10
12	OFF	0.04	OFF	0.03	OFF	0.03	0.12
13	0.06	OFF	0.09	0.06	0.04	0.05	0.13
14	OFF	0.05	OFF	0.05	0.16	0.03	0.19
15	0.03	0.03	OFF	0.03	0.03	0.03	0.10
16	OFF	0.03	0.04	0.04	0.03	OFF	0.14
17	0.03	OFF	0.03	0.03	0.03	0.02	0.15
18	OFF	OFF	0.08	0.03	0.13	0.03	0.13
19	OFF	0.04	OFF	0.03	0.03	OFF	0.09
20	0.03	OFF	OFF	0.04	0.03	0.03	0.09
21	0.03	OFF	0.03	0.03	0.03	OFF	0.18
22	OFF	0.04	0.13	0.04	0.03	OFF	0.13
23	0.03	0.08	OFF	0.05	OFF	0.14	0.14
24	0.05	OFF	0.06	0.05	0.04	OFF	0.30
25	0.06	0.07	OFF	OFF	0.06	0.06	0.19
26	OFF	OFF	0.10	0.06	0.06	OFF	0.17
27	OFF	0.04	0.05	0.04	0.06	OFF	0.07
28	0.03	0.04	0.04	0.03	0.38	OFF	0.38
29	0.03	0.03	0.03	0.03	0.03	0.03	0.06
30	OFF	OFF	OFF	0.03	0.03	OFF	0.05
31	0.03	0.03	OFF	0.05	0.04	OFF	0.04

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
95% of 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes <input type="radio"/> No	All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes <input type="radio"/> No
All 4-hour turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No		
All turbidity readings < IFE ² triggers <input checked="" type="radio"/> Yes <input type="radio"/> No		
Notes: Dec 28th 4pm Couglation failure for about 2 hours < 20 minutes filtrate into reservoirs	PRINTED NAME: Guy Davis	
	SIGNATURE: <i>Guy Davis</i>	01/02/2024
	PHONE #: (503) 873-5427	CERT #: 7126

¹ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² IFE = Individ. Filter Effl. (333-061-0040(1)(d)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP - : A

System Name:	SILVERTON, CITY OF	ID#: 41	00823	Month/Year:	Dec-23	Disinfection <i>Giardia</i> Log Inactiv:	0.5
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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]
01 / 17:21	0.73	551	402.2	8.0	7.96	30.0	YES	456
02 / 19:36	0.73	556	405.9	8.0	7.82	28.6	YES	515
03 / 22:42	0.7	525	367.5	8.5	7.98	29.1	YES	1016
04 / 07:26	0.72	505	363.6	9.0	7.75	26.0	YES	1094
05 / 06:46	0.75	513	384.8	10.5	6.76	16.7	YES	736
06 / 06:28	0.71	527	374.2	10.0	7.03	18.9	YES	1075
07 / 04:24	0.67	524	351.1	10.5	7.33	20.2	YES	1153
08 / 09:40	0.64	522	334.1	10.0	7.10	19.2	YES	990
09 / 11:14	0.68	521	354.3	10.0	7.02	18.8	YES	827
10 / 01:39	0.69	517	356.7	11.0	8.31	27.7	YES	1010
11 / 00:24	0.69	502	346.4	10.0	6.62	16.4	YES	1022
12 / 02:51	0.68	497	338.0	11.0	7.16	18.4	YES	788
13 / 23:09	0.69	505	348.5	10.5	7.26	19.7	YES	1133
14 / 08:59	0.68	485	329.8	10.2	7.64	23.0	YES	905
15 / 00:17	0.66	477	314.8	10.0	7.90	25.5	YES	1120
16 / 09:07	0.66	474	312.8	10.0	7.77	24.3	YES	983
17 / 02:43	0.66	500	330.0	9.0	7.82	26.5	YES	925
18 / 09:31	0.68	510	346.8	9.5	7.42	22.3	YES	984
19 / 08:46	0.68	502	341.4	10.0	7.50	22.2	YES	1016
20 / 04:01	0.66	513	338.6	9.5	7.93	26.6	YES	964
21 / 00:31	0.67	502	336.3	9.7	7.31	21.1	YES	1049
22 / 08:48	0.68	500	340.0	10.0	7.26	20.4	YES	795
23 / 04:22	0.68	510	346.8	9.7	7.23	20.6	YES	931
24 / 02:59	0.67	524	351.1	9.0	7.70	25.4	YES	1185
25 / 18:03	0.68	502	341.4	9.0	7.07	20.4	YES	664
26 / 21:28	0.69	505	348.5	9.0	6.92	19.3	YES	912
27 / 21:06	0.68	558	379.4	9.5	7.26	21.1	YES	847
28 / 15:01	0.66	527	347.8	9.5	7.95	26.8	YES	1198
29 / 03:48	0.76	536	407.4	9.5	8.14	29.1	YES	1127
30 / 10:52	0.72	548	394.6	10.0	8.19	28.5	YES	1074
31 / 11:26	0.7	557	389.9	10.0	8.05	27.0	YES	827

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised October 2013

City of Silverton Water Treatment Plant

Flow Report for Dec 23

date	total flow treated		flow to High Level Reservoir		Percent of Treated Flow going to HL	
	MGD		run hrs.		MGD	%
1	1.070		6.6		0.436	40.7
2	1.221		5.1		0.337	27.6
3	0.190		3.0		0.198	104.2
4	1.884		8.4		0.554	29.4
5	1.520		8.7		0.574	37.8
6	1.304		9.9		0.653	50.1
7	1.258		8.1		0.535	42.5
8	1.177		6.1		0.403	34.2
9	1.389		6.8		0.449	32.3
10	1.276		7.6		0.502	39.3
11	1.378		7.5		0.495	35.9
12	1.070		7.9		0.521	48.7
13	1.362		6.2		0.409	30.0
14	1.056		7.2		0.475	45.0
15	1.344		8.2		0.541	40.3
16	1.160		6.1		0.403	34.7
17	1.296		8.7		0.574	44.3
18	1.340		6.7		0.442	33.0
19	1.066		6.5		0.429	40.2
20	1.153		7.9		0.521	45.2
21	1.377		7.2		0.475	34.5
22	1.144		6.7		0.442	38.7
23	1.152		8.8		0.581	50.4
24	1.495		7.6		0.502	33.6
25	0.955		7.5		0.495	51.8
26	1.425		7.5		0.495	34.7
27	1.168		7.1		0.469	40.1
28	1.311		8.2		0.541	41.3
29	1.342		7.5		0.495	36.9
30	1.239		7.1		0.469	37.8
31	1.204		7.2		0.475	39.5
Total	38.326		225.6		14.890	38.8
Average	1.236		7.3		0.480	41.1

