

**CITY OF JACKSON**  
**O. B. Curtis Water Treatment Plant**  
**Monthly Report For HS# 1**

**System ID**                    **250008-02**  
**Month of**                    **July 2019**

1. Total number of turbidity measurements taken during the month. CONTINUOUS

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 99.0%

3. Number of filters that exceeded 0.5 NTU in 2 consecutive readings taken 15 min. apart after first four hours of operation. NONE

4. Number of filters that exceeded 1.0 NTU in 2 consecutive readings taken 15 min. apart in 3 consecutive months. NONE

5. Lowest daily disinfectant concentration entering the distribution system in mg/l.

1	2.8	7	2.7	13	2.8	19	1.5	25	3.0
2	1.6	8	2.7	14	2.9	20	3.1	26	3.0
3	2.7	9	2.6	15	2.8	21	2.7	27	3.0
4	2.8	10	2.9	16	3.2	22	2.9	28	3.0
5	3.0	11	2.7	17	3.4	23	2.5	29	2.6
6	3.2	12	2.7	18	3.1	24	2.8	30	2.3
								31	2.7

6. Date and duration of each period the disinfectant fell below 0.2 mg/l for more than an hour while entering the distribution system. NONE

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 128

8. Number of instances where disinfectant was not measured in the distribution system where total coliform samples were collected. NONE

9. Number of instances where disinfectant was measured in the distributed system but not detected. NONE

**City Of Jackson, MS**  
**O. B. Curtis Surface Water Treatment Plant**  
**Turbidity Compliance Report**

System ID  
Month Of

250008-02  
July 2019

Jul 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FINISHED
1	6.21	0.57	0.29
2	6.01	0.40	0.35
3	8.73	0.54	0.31
4	4.39	0.37	0.36
5	4.99	0.41	0.34
6	6.05	0.42	0.35
7	5.41	0.32	0.31
8	7.63	0.38	0.35
9	5.37	0.41	0.24
10	4.24	0.69	0.25
11	6.42	0.41	0.28
12	6.14	0.41	0.37
13	6.08	0.32	0.27
14	6.79	0.60	0.25
15	7.24	0.29	0.39
16	8.23	0.54	0.13
17	6.11	0.45	0.19
18	7.45	0.25	0.24
19	6.62	0.23	0.23
20	6.67	0.32	0.28
21	6.19	0.41	0.33
22	8.65	0.28	0.32
23	6.74	0.46	0.37
24	9.19	0.32	0.41
25	8.31	0.54	0.22
26	7.52	0.36	0.21
27	7.02	0.30	0.23
28	6.72	0.28	0.31
29	6.30	0.30	0.28
30	6.01	0.45	0.42
31	4.81	0.45	0.24
<b>MIN</b>	<b>4.24</b>	<b>0.23</b>	<b>0.13</b>
<b>MAX</b>	<b>9.19</b>	<b>0.69</b>	<b>0.42</b>
<b>AVG</b>	<b>6.59</b>	<b>0.40</b>	<b>0.23</b>

**City Of Jackson, MS**  
**O. B. Curtis Surface Water Treatment Plant**  
**Turbidity Compliance**

System ID  
 Month Of

250008-02  
 July 2019

Higher finished  
 turbidities due to post-  
 treatment lime addition  
 for pH adjustment.

Jul 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.19	0.22	0.29	0.23	0.17	0.16
2	0.17	0.35	0.19	0.21	0.24	0.23
3	0.24	0.24	0.16	0.22	0.26	0.31
4	0.36	0.29	0.31	0.28	0.26	0.30
5	0.34	0.31	0.34	0.33	0.28	0.30
6	0.30	0.34	0.32	0.35	0.34	0.34
7	0.30	0.29	0.29	0.29	0.31	0.30
8	0.26	0.23	0.35	0.22	0.20	0.20
9	0.19	0.21	0.23	0.22	0.22	0.24
10	0.25	0.24	0.25	0.25	0.23	0.22
11	0.27	0.28	0.24	0.21	0.26	0.26
12	0.30	0.37	0.31	0.24	0.22	0.20
13	0.23	0.27	0.19	0.18	0.17	0.18
14	0.20	0.17	0.25	0.17	0.17	0.15
15	0.19	0.39	0.19	0.15	0.15	0.14
16	0.12	0.10	0.13	0.13	0.12	0.12
17	0.18	0.19	0.18	0.17	0.16	0.19
18	0.24	0.23	0.22	0.22	0.18	0.20
19	0.23	0.17	0.16	0.17	0.19	0.20
20	0.24	0.17	0.17	0.21	0.18	0.28
21	0.26	0.33	0.27	0.26	0.25	0.27
22	0.29	0.31	0.25	0.28	0.28	0.32
23	0.25	0.20	0.18	0.27	0.37	0.32
24	0.30	0.28	0.41	0.20	0.18	0.18
25	0.21	0.22	0.17	0.18	0.17	0.17
26	0.19	0.21	0.19	0.19	0.20	0.20
27	0.20	0.23	0.21	0.21	0.21	0.23
28	0.24	0.23	0.31	0.23	0.20	0.21
29	0.21	0.12	0.13	0.28	0.18	0.23
30	0.24	0.28	0.27	0.42	0.19	0.22
31	0.22	0.22	0.20	0.19	0.20	0.24
<b>MIN</b>	<b>0.12</b>	<b>0.10</b>	<b>0.13</b>	<b>0.13</b>	<b>0.12</b>	<b>0.12</b>
<b>MAX</b>	<b>0.36</b>	<b>0.39</b>	<b>0.41</b>	<b>0.42</b>	<b>0.37</b>	<b>0.34</b>
<b>AVG</b>	<b>0.24</b>	<b>0.25</b>	<b>0.24</b>	<b>0.23</b>	<b>0.22</b>	<b>0.23</b>

**City Of Jackson, MS**  
**O. B. Curtis Surface Water Treatment Plant**  
**Disinfectant Compliance**

System ID  
Month Of

250008-02  
July 2019

Jul 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.2	3.4	3.4	4.0	2.8	3.0
2	3.1	3.0	2.4	2.7	1.6	2.2
3	2.7	3.1	3.2	2.8	2.8	3.1
4	3.2	2.8	2.8	3.1	3.0	2.9
5	3.0	3.1	3.1	3.2	3.2	4.0
6	3.9	3.8	3.6	3.7	3.2	3.4
7	3.4	3.5	4.0	2.7	2.8	2.9
8	3.2	3.2	3.2	3.4	2.7	2.7
9	2.6	3.2	2.6	3.1	3.3	3.0
10	3.1	3.2	3.6	3.5	2.9	3.2
11	3.2	3.1	3.2	3.0	2.7	2.7
12	2.9	3.0	3.5	3.2	3.4	2.7
13	2.8	3.1	3.0	3.0	2.9	3.2
14	3.4	3.2	3.1	3.2	3.1	2.9
15	3.0	3.2	3.5	3.5	2.8	3.0
16	3.4	3.5	3.6	3.2	3.4	3.2
17	3.4	3.7	3.6	3.6	3.8	3.4
18	3.5	3.5	3.4	3.3	3.1	3.2
19	3.2	3.2	1.5	2.7	2.9	2.1
20	3.4	3.2	3.3	3.2	3.6	3.1
21	3.5	3.2	3.4	3.1	2.7	3.0
22	3.1	3.3	3.2	2.9	3.2	2.9
23	2.9	3.0	2.9	2.5	2.9	2.7
24	2.8	3.5	3.4	3.4	3.3	3.4
25	3.0	3.1	3.5	3.4	3.3	3.4
26	3.3	3.4	3.2	3.2	3.2	3.0
27	3.0	3.1	3.2	3.1	3.0	3.3
28	3.0	3.1	3.2	3.1	3.3	3.3
29	2.6	2.9	2.6	3.1	2.6	3.0
30	3.0	3.1	2.8	2.7	2.4	2.3
31	2.7	3.0	3.3	3.3	3.3	3.4
MIN	2.6	2.8	1.5	2.5	1.6	2.1
MAX	3.9	3.8	4.0	4.0	3.8	4.0
AVG	3.1	3.2	3.2	3.2	3.0	3.0

**CITY OF JACKSON**  
**O. B. Curtis Water Treatment Plant**  
**Monthly Report For HS# 2**

**System ID**                    **250008-02**  
**Month of**                    **July 2019**

1. Total number of turbidity measurements taken during the month. CONTINUOUS

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 95.6%

3. Number of filters that exceeded 0.5 NTU in 2 consecutive readings taken 15 min. apart after first four hours of operation. NONE

4. Number of filters that exceeded 1.0 NTU in 2 consecutive readings taken 15 min. apart in 3 consecutive months. NONE

5. Lowest daily disinfectant concentration entering the distribution system in mg/l.

1	3.0		7	3.0		13	2.7		19	3.1		25	3.0
2	2.2		8	3.1		14	2.5		20	2.4		26	3.0
3	2.8		9	3.0		15	3.0		21	3.2		27	2.1
4	3.0		10	2.6		16	3.6		22	3.6		28	3.1
5	2.8		11	1.6		17	3.9		23	3.4		29	2.7
6	3.2		12	2.0		18	3.5		24	3.3		30	2.8
												31	2.9

6. Date and duration of each period the disinfectant fell below 0.2 mg/l for more than an hour while entering the distribution system. NONE

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 128

8. Number of instances where disinfectant was not measured in the distribution system where total coliform samples were collected. NONE

9. Number of instances where disinfectant was measured in the distributed system but not detected. NONE

**City Of Jackson, MS**  
**O. B. Curtis Surface Water Treatment Plant**  
**Turbidity Compliance Report**

System ID  
 Month Of

250008-02  
 July 2019

Jul 2019	TURBIDITIES (NTU)	
	RAW	FINISHED
1	6.21	0.28
2	6.01	0.28
3	8.73	0.41
4	4.39	0.32
5	4.99	0.31
6	6.05	0.28
7	5.41	0.39
8	7.63	0.34
9	5.37	0.30
10	4.24	0.33
11	6.42	0.24
12	6.14	0.19
13	6.08	0.13
14	6.79	0.13
15	7.24	0.15
16	8.23	0.28
17	6.11	0.31
18	7.45	0.49
19	6.62	0.21
20	6.67	0.37
21	6.19	0.18
22	8.65	0.38
23	6.74	0.32
24	9.19	0.36
25	8.31	0.18
26	7.52	0.16
27	7.02	0.10
28	6.72	0.11
29	6.30	0.32
30	6.01	0.36
31	4.81	0.31
<b>MIN</b>	<b>4.24</b>	<b>0.10</b>
<b>MAX</b>	<b>9.19</b>	<b>0.49</b>
<b>AVG</b>	<b>6.59</b>	<b>0.19</b>

**City Of Jackson, MS**  
**O. B. Curtis Surface Water Treatment Plant**  
**Turbidity Compliance**

System ID  
 Month Of

250008-02  
 July 2019

Higher finished  
 turbidities due to post-  
 treatment lime addition  
 for pH adjustment.

Jul 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.15	0.14	0.28	0.15	0.15	0.16
2	0.16	0.18	0.21	0.26	0.28	0.27
3	0.23	0.41	0.26	0.21	0.24	0.27
4	0.26	0.22	0.21	0.26	0.32	0.31
5	0.28	0.31	0.23	0.23	0.24	0.23
6	0.22	0.21	0.19	0.28	0.28	0.26
7	0.27	0.34	0.33	0.39	0.34	0.31
8	0.31	0.34	0.28	0.31	0.29	0.20
9	0.30	0.23	0.26	0.26	0.23	0.14
10	0.15	0.15	0.22	0.32	0.29	0.33
11	0.24	0.22	0.19	OFF	0.19	0.19
12	0.19	0.18	0.16	0.15	0.16	0.14
13	0.12	0.13	0.12	0.11	0.11	0.11
14	0.12	0.13	0.11	0.12	0.13	0.13
15	0.15	0.14	0.13	0.14	0.15	0.15
16	0.28	0.15	0.13	0.15	0.14	0.15
17	0.14	0.19	0.15	0.13	0.25	0.31
18	0.49	0.11	0.12	0.37	0.24	0.17
19	0.21	0.14	0.12	0.14	0.14	0.14
20	0.20	0.12	0.14	0.14	0.37	0.14
21	0.14	0.14	0.12	0.18	0.14	0.14
22	0.15	0.38	0.15	0.20	0.20	0.30
23	0.26	0.32	0.10	0.11	0.11	0.10
24	0.11	0.36	0.07	0.07	0.06	0.06
25	0.06	0.18	0.05	0.06	0.06	0.07
26	0.08	0.16	0.09	0.10	0.10	0.09
27	0.10	0.10	0.10	0.10	0.10	0.10
28	0.09	0.09	0.09	0.09	0.10	0.11
29	0.17	0.32	0.13	0.14	0.14	0.20
30	0.23	0.19	0.22	0.24	0.28	0.36
31	0.14	0.15	0.15	0.31	0.27	0.21
<b>MIN</b>	<b>0.06</b>	<b>0.09</b>	<b>0.05</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>
<b>MAX</b>	<b>0.49</b>	<b>0.41</b>	<b>0.33</b>	<b>0.39</b>	<b>0.37</b>	<b>0.36</b>
<b>AVG</b>	<b>0.19</b>	<b>0.21</b>	<b>0.17</b>	<b>0.19</b>	<b>0.20</b>	<b>0.19</b>

**City Of Jackson, MS**  
**O. B. Curtis Surface Water Treatment Plant**  
**Disinfectant Compliance**

System ID  
 Month Of

250008-02  
 July 2019

Jul 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.0	3.3	3.3	3.0	3.0	3.0
2	3.0	3.0	2.8	2.9	2.2	2.5
3	2.8	3.5	3.5	3.2	3.3	3.2
4	3.2	3.2	3.0	3.1	3.1	3.2
5	3.1	2.9	2.8	2.9	3.2	4.0
6	3.8	3.6	3.5	3.6	3.4	3.2
7	3.3	3.2	3.6	3.0	3.2	3.2
8	3.2	3.2	3.1	3.5	3.1	3.2
9	3.1	3.0	3.2	3.3	3.4	3.2
10	3.1	3.2	4.0	2.6	3.8	3.8
11	3.4	3.1	3.0	OFF	1.8	1.6
12	2.0	2.4	2.8	3.0	2.9	2.5
13	2.7	2.8	2.7	2.9	3.0	3.0
14	3.1	2.9	2.5	2.8	3.2	3.3
15	3.2	3.0	3.5	3.4	3.0	3.3
16	4.0	4.0	4.0	3.6	4.0	4.0
17	4.0	3.9	4.0	4.0	4.0	4.0
18	3.7	3.5	4.0	3.9	3.7	3.5
19	3.4	3.9	3.7	3.5	3.4	3.1
20	2.4	3.2	3.3	3.2	4.0	3.5
21	3.4	3.2	3.8	3.8	3.7	4.0
22	4.0	3.8	4.0	3.7	3.6	3.7
23	3.7	3.4	3.4	3.7	3.7	3.7
24	3.3	3.5	3.6	3.6	3.6	3.4
25	3.2	3.0	3.4	3.5	3.4	3.5
26	3.6	3.5	3.6	3.0	3.2	3.3
27	3.3	3.3	3.4	3.2	2.1	3.0
28	3.1	3.2	3.6	3.1	3.2	3.2
29	2.8	2.7	2.8	3.0	2.9	2.9
30	2.9	3.0	3.3	3.0	2.8	3.0
31	3.1	3.0	2.9	3.4	3.6	3.5
<b>MIN</b>	<b>2.0</b>	<b>2.4</b>	<b>2.5</b>	<b>2.6</b>	<b>1.8</b>	<b>1.6</b>
<b>MAX</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>
<b>AVG</b>	<b>3.2</b>	<b>3.2</b>	<b>3.4</b>	<b>3.3</b>	<b>3.2</b>	<b>3.3</b>



**CITY OF JACKSON**  
**J. H. Fewell Water Treatment Plant**  
**Monthly Report**

**System ID**                    **250008-01**  
**Month of**                     **July 2019**

1. Total number of turbidity measurements taken during the month. CONTINUOUS

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 99.5%

3. Number of filters that exceeded 0.5 NTU in 2 consecutive readings taken 15 min. apart after first four hours of operation. NONE

4. Number of filters that exceeded 1.0 NTU in 2 consecutive readings taken 15 min. apart in 3 consecutive months. NONE

5. Lowest daily disinfectant concentration entering the distribution system in mg/l.

1	3.2	7	2.4	13	3.0	19	2.6	25	3.6
2	3.3	8	3.3	14	3.1	20	2.9	26	3.1
3	3.1	9	3.0	15	3.3	21	3.0	27	3.4
4	3.5	10	3.1	16	2.2	22	2.1	28	3.1
5	3.3	11	2.9	17	3.2	23	3.6	29	2.7
6	3.4	12	1.7	18	2.8	24	3.6	30	2.6
								31	2.6

6. Date and duration of each period the disinfectant fell below 0.2 mg/l for more than an hour while entering the distribution system. NONE

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 128

8. Number of instances where disinfectant was not measured in the distribution system where total coliform samples were collected. NONE

9. Number of instances where disinfectant was measured in the distributed system but not detected. NONE

**City of Jackson, MS**  
**J. H. Fewell Surface Water Treatment Plant**  
**Turbidity Compliance Report**

System ID  
MONTH

250008-01  
July 2019

Jul 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	9.74	0.72	0.18	0.24
2	9.13	0.37	0.16	0.17
3	9.07	0.28	0.14	0.23
4	7.99	0.33	0.13	0.23
5	7.89	0.34	0.13	0.21
6	9.01	0.32	0.18	0.22
7	9.20	0.20	0.18	0.22
8	8.80	0.33	0.11	0.21
9	8.16	0.30	0.07	0.19
10	8.85	0.26	0.07	0.21
11	7.43	0.31	0.12	0.21
12	7.81	0.32	0.22	0.20
13	14.2	0.29	0.29	0.19
14	12.8	0.47	0.20	0.18
15	20.7	0.47	0.14	0.22
16	30.7	0.48	0.12	0.19
17	12.6	0.30	0.14	0.26
18	9.63	0.32	0.25	0.19
19	9.23	0.28	0.22	0.17
20	12.9	0.35	0.21	0.23
21	8.54	0.31	0.26	0.20
22	9.41	0.54	0.23	0.20
23	9.03	0.32	0.21	0.19
24	9.40	0.37	0.20	0.20
25	10.3	0.30	0.14	0.19
26	10.4	0.37	0.25	0.18
27	10.3	0.46	0.23	0.18
28	8.50	0.37	0.21	0.18
29	8.08	0.43	0.26	0.22
30	7.40	0.27	0.28	0.20
31	7.90	0.47	0.14	0.21
<b>MIN</b>	<b>7.40</b>	<b>0.20</b>	<b>0.07</b>	<b>0.17</b>
<b>MAX</b>	<b>30.7</b>	<b>0.72</b>	<b>0.29</b>	<b>0.26</b>
<b>AVG</b>	<b>10.5</b>	<b>0.36</b>	<b>0.18</b>	<b>0.18</b>

**City of Jackson, MS**  
**J. H. Fewell Surface Water Treatment Plant**  
**Turbidity Compliance**

System ID  
MONTH

250008-01  
July 2019

Jul 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.24	0.18	0.16	0.15	0.15	0.15
2	0.15	0.16	0.17	0.15	0.17	0.17
3	0.16	0.19	0.23	0.21	0.19	0.20
4	0.19	0.18	0.20	0.23	0.20	0.18
5	0.19	0.18	0.19	0.21	0.20	0.21
6	0.22	0.19	0.18	0.19	0.19	0.20
7	0.19	0.22	0.19	0.22	0.19	0.18
8	0.18	0.18	0.21	0.19	0.19	0.17
9	0.17	0.17	0.18	0.18	0.18	0.19
10	0.19	0.21	0.18	0.20	0.20	0.19
11	0.18	0.18	0.18	0.21	0.17	0.19
12	0.20	0.18	0.18	0.18	0.19	0.18
13	0.19	0.18	0.18	0.19	0.18	0.17
14	0.18	0.17	0.17	0.16	0.17	0.17
15	0.17	0.17	0.22	0.20	0.20	0.18
16	0.19	0.19	0.18	0.16	0.16	0.16
17	0.19	0.17	0.17	0.26	0.23	0.18
18	0.19	0.17	0.17	0.16	0.16	0.16
19	0.17	0.16	0.16	0.17	0.16	0.14
20	0.15	0.16	0.16	0.23	0.20	0.16
21	0.17	0.20	0.17	0.18	0.20	0.20
22	0.19	0.19	0.19	0.19	0.20	0.19
23	0.15	0.16	0.18	0.17	0.19	0.17
24	0.17	0.17	0.19	0.20	0.19	0.20
25	0.18	0.19	0.18	0.18	0.18	0.18
26	0.18	0.18	0.18	0.18	0.18	0.18
27	0.18	0.18	0.18	0.18	0.18	0.18
28	0.18	0.18	0.18	0.18	0.18	0.18
29	0.18	0.18	0.21	0.22	0.19	0.17
30	0.17	0.17	0.18	0.19	0.20	0.20
31	0.18	0.18	0.19	0.18	0.21	0.18
<b>MIN</b>	<b>0.15</b>	<b>0.16</b>	<b>0.16</b>	<b>0.15</b>	<b>0.15</b>	<b>0.14</b>
<b>MAX</b>	<b>0.24</b>	<b>0.22</b>	<b>0.23</b>	<b>0.26</b>	<b>0.23</b>	<b>0.21</b>
<b>AVG</b>	<b>0.18</b>	<b>0.18</b>	<b>0.18</b>	<b>0.19</b>	<b>0.19</b>	<b>0.18</b>

**City Of Jackson, MS**  
**J. H. Fewell Surface Water Treatment Plant**  
**Disinfectant Compliance**

System ID  
MONTH

250008-01  
July 2019

Jul 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.2	3.3	3.2	3.4	3.4	3.4
2	3.4	3.4	3.4	3.4	3.3	3.6
3	3.6	3.1	3.5	3.3	3.3	3.4
4	3.6	3.7	3.7	3.5	3.5	3.5
5	3.3	3.3	3.4	3.4	3.3	3.3
6	3.4	3.6	3.5	3.4	3.5	3.5
7	3.5	2.9	3.2	2.4	3.4	3.5
8	3.6	3.6	3.4	3.3	3.3	3.4
9	3.5	3.4	3.4	3.0	3.0	3.2
10	3.2	3.3	3.2	3.1	3.1	3.3
11	3.3	3.1	3.2	2.9	3.1	3.8
12	1.7	2.7	3.1	2.9	2.9	3.0
13	3.1	3.1	3.0	3.0	3.1	3.1
14	3.1	3.1	3.2	3.1	3.2	3.1
15	3.3	3.4	3.4	3.5	3.4	3.4
16	3.3	3.3	2.2	2.9	3.1	3.2
17	3.2	3.3	3.4	3.2	3.2	3.4
18	3.5	3.4	3.1	2.8	3.8	3.4
19	3.4	3.4	3.2	3.4	3.1	2.6
20	3.1	3.2	3.3	3.5	3.9	2.9
21	3.2	3.2	3.1	3.0	3.1	3.7
22	3.3	3.3	2.3	2.1	2.3	3.0
23	3.6	3.8	3.7	3.6	3.8	3.9
24	4.0	4.0	4.0	3.7	3.6	3.6
25	3.6	3.6	3.8	4.0	3.6	3.8
26	3.8	3.5	3.7	3.4	3.3	3.1
27	3.5	3.5	3.5	3.4	3.7	3.4
28	3.4	3.5	3.4	3.3	3.1	3.1
29	3.1	3.0	2.9	2.7	2.7	2.9
30	3.1	3.1	2.9	2.6	2.6	2.7
31	2.6	2.8	2.8	3.1	3.1	3.2
MIN	1.7	2.7	2.2	2.1	2.3	2.6
MAX	4.0	4.0	4.0	4.0	3.9	3.9
AVG	3.3	3.3	3.3	3.2	3.2	3.3

**CITY OF JACKSON  
DISTRIBUTION SYSTEM DISINFECTANT DATA**

**System ID**     **250008**  
**Month of**       **July 2019**

	No. of sites, disinfectant residual measured (a)	No. of sites, no disinfectant measured, HPC measured (b)	No. of sites, disinfectant residual not detected, no HPC measured (c)	No. of sites, disinfectant residual not detected. HPC> 500/ml (d)	No. of sites, disinfectant residual not measured. HPC > 500/ml (e)
DATE	COL 2	COL 3	COL 4	COL 5	COL 6
1	35				
2	36				
3					
4					
5					
6					
7					
8	35				
9	22				
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Total	128	0	0	0	0
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V = (c+d+e)/(a+b)\*100

V = 0

**CITY OF JACKSON  
CHLORINE DIOXIDE COMPLIANCE**

Jul-19	SYSTEM ID: 250008-02		SYSTEM ID: 250008-01	
	O.B. CURTIS		J. H. FEWELL	
	ClO <sub>2</sub>	ClO <sup>-</sup>	ClO <sub>2</sub>	ClO <sup>-</sup>
1	OFF	OFF	OFF	OFF
2	OFF	OFF	OFF	OFF
3	OFF	OFF	OFF	OFF
4	OFF	OFF	OFF	OFF
5	OFF	OFF	OFF	OFF
6	OFF	OFF	OFF	OFF
7	OFF	OFF	OFF	OFF
8	OFF	OFF	OFF	OFF
9	OFF	OFF	OFF	OFF
10	OFF	OFF	OFF	OFF
11	OFF	OFF	OFF	OFF
12	OFF	OFF	OFF	OFF
13	OFF	OFF	OFF	OFF
14	OFF	OFF	OFF	OFF
15	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF
17	OFF	OFF	OFF	OFF
18	OFF	OFF	OFF	OFF
19	OFF	OFF	OFF	OFF
20	OFF	OFF	OFF	OFF
21	OFF	OFF	OFF	OFF
22	OFF	OFF	OFF	OFF
23	OFF	OFF	OFF	OFF
24	OFF	OFF	OFF	OFF
25	OFF	OFF	OFF	OFF
26	OFF	OFF	OFF	OFF
27	OFF	OFF	OFF	OFF
28	OFF	OFF	OFF	OFF
29	OFF	OFF	OFF	OFF
30	OFF	OFF	OFF	OFF
31	OFF	OFF	OFF	OFF

DISTRIBUTION SITES			
DATE	SITE	ClO <sub>2</sub>	ClO <sup>-</sup>
	Olympia		
	Boling St		
	John Hopkins		

**CITY OF JACKSON  
TOC REMOVAL SUMMARY**

2019

TOC Table- Required % Removal of TOC			
Source Water TOC (ppm)	Source Water Alkalinity, ppm as CaCO <sub>3</sub>		
	0-60	>60-120	>120
>2.0 to 4.0	35.0%	25.0%	15.0%
>4.0 to 8.0	45.0%	35.0%	25.0%
>8.0	50.0%	40.0%	30.0%

$$\% \text{ ACTUAL TOC REMOVED} = \frac{\text{RAW TOC} - \text{FINISHED TOC}}{\text{RAW TOC}} \times 100\%$$

$$\text{TOC REMOVAL RATIO} = \frac{\% \text{ ACTUAL TOC REMOVED}}{\text{REQUIRED TOC REMOVAL}}$$

Date	Water Treatment Plant	TOC Summary			TOC % Removal Summary		
		Source Water Alkalinity (ppm)	Source Water TOC (ppm)	Treated Water TOC (ppm)	Actual TOC Removed (%)	Required TOC Removal (%)	TOC Removal Ratio
1/3/2019	OBC HS1	11	12.9	2.1	83.7	50.0	1.67
	OBC HS2	11	12.9	3.5	72.9	50.0	1.46
	JHF HS1	12	12.4	4.6	62.9	50.0	1.26
1/7/2019	OBC HS1	10	12.8	2.8	78.1	50.0	1.56
	OBC HS2	10	12.8	2.8	78.1	50.0	1.56
	JHF HS1	19	12.8	3.0	76.6	50.0	1.53
1/14/2019	OBC HS1	8	13.8	3.7	73.2	50.0	1.46
	OBC HS2	8	13.8	4.4	68.1	50.0	1.36
	JHF HS1	9	12.7	4.0	68.5	50.0	1.37
1/22/2019	OBC HS1	9	10.6	1.4	86.8	50.0	1.74
	OBC HS2	9	10.6	1.7	84.0	50.0	1.68
	JHF HS1	8	10.9	1.7	84.4	50.0	1.69
1/28/2019	OBC HS1	7	10.0	3.3	67.0	50.0	1.34
	OBC HS2	7	10.0	4.6	54.0	50.0	1.08
	JHF HS1	10	10.8	4.1	62.0	50.0	1.24
2/5/2019	OBC HS1	10	4.9	1.0	79.6	45.0	1.77
	OBC HS2	10	4.9	1.3	73.5	45.0	1.63
	JHF HS1	10	7.4	1.4	81.1	45.0	1.80
2/14/2019	OBC HS1	12	10.5	4.0	61.9	50.0	1.24
	OBC HS2	12	10.5	4.6	56.2	50.0	1.12
	JHF HS1	17	9.7	2.9	70.1	50.0	1.40
2/19/2019	OBC HS1	9	7.7	5.9	23.4	45.0	0.52
	OBC HS2	9	7.7	7.1	7.8	45.0	0.17
	JHF HS1	12	10.2	2.5	75.5	50.0	1.51
2/27/2019	OBC HS1	10	9.1	1.9	79.1	50.0	1.58
	OBC HS2	10	9.1	2.2	75.8	50.0	1.52
	JHF HS1	11	9.9	5.7	42.4	50.0	0.85
3/4/2019	OBC HS1	10	13	2.8	78.5	50.0	1.57
	OBC HS2	10	13.1	3.1	76.3	50.0	1.53
	JHF HS1	11	12.6	4.5	64.3	50.0	1.29
3/20/2019	OBC HS1	12	11.1	2.2	80.2	50.0	1.60
	OBC HS2	12	11.1	2.4	78.4	50.0	1.57
	JHF HS1	10	11.0	2.4	78.2	50.0	1.56
3/25/2019	OBC HS1	10	9.8	3.0	69.4	50.0	1.39
	OBC HS2	10	9.8	2.4	75.5	50.0	1.51
	JHF HS1	11	9.1	3.0	67.0	50.0	1.34
<b>RUNNING ANNUAL AVERAGE</b>	OBC HS1						1.45
	OBC HS2						1.35
	JHF HS1						1.40
<b>TOTAL COMBINED RUNNING ANNUAL AVERAGE</b>							<b>1.40</b>

**CITY OF JACKSON  
TOC REMOVAL SUMMARY**

2019

TOC Table- Required % Removal of TOC			
Source Water TOC (ppm)	Source Water Alkalinity, ppm as CaCO <sub>3</sub>		
	0-60	>60-120	>120
>2.0 to 4.0	35.0%	25.0%	15.0%
>4.0 to 8.0	45.0%	35.0%	25.0%
>8.0	50.0%	40.0%	30.0%

$$\% \text{ ACTUAL TOC REMOVED} = \frac{\text{RAW TOC} - \text{FINISHED TOC}}{\text{RAW TOC}} \times 100\%$$

$$\text{TOC REMOVAL RATIO} = \frac{\% \text{ ACTUAL TOC REMOVED}}{\text{REQUIRED TOC REMOVAL}}$$

Date	Water Treatment Plant	TOC Summary			TOC % Removal Summary		
		Source Water Alkalinity (ppm)	Source Water TOC (ppm)	Treated Water TOC (ppm)	Actual TOC Removed (%)	Required TOC Removal (%)	TOC Removal Ratio
4/3/2019	OBC HS1	11	9.5	2.4	74.7	50.0	1.49
	OBC HS2	11	9.5	2.6	72.6	50.0	1.45
	JHF HS1	26	9.2	2.8	69.6	50.0	1.39
4/8/2019	OBC HS1	12	7.5	1.8	76.0	45.0	1.69
	OBC HS2	12	7.5	1.9	74.7	45.0	1.66
	JHF HS1	14	7.8	2.0	74.4	45.0	1.65
4/19/2019	OBC HS1	15	8.3	2.6	68.7	50.0	1.37
	OBC HS2	15	8.3	2.8	66.3	50.0	1.33
	JHF HS1	28	9.4	3.4	63.8	50.0	1.28
5/10/2019	OBC HS1	10	15.5	8.8	43.2	50.0	0.86
	OBC HS2	10	15.5	8.1	47.7	50.0	0.95
	JHF HS1	13	14.2	9.6	32.4	50.0	0.65
5/15/2019	OBC HS1	11	9.4	2.3	75.5	50.0	1.51
	OBC HS2	11	9.4	2.6	72.3	50.0	1.45
	JHF HS1	12	9.2	3.0	67.4	50.0	1.35
5/24/2019	OBC HS1	11	7.1	2.4	66.2	45.0	1.47
	OBC HS2	11	7.1	2.5	64.8	45.0	1.44
	JHF HS1	14	7.2	2.8	61.1	45.0	1.36
5/30/2019	OBC HS1	14	8.4	0.3	96.4	50.0	1.93
	OBC HS2	14	8.4	2.1	75.0	50.0	1.50
	JHF HS1	24	10.1	1.4	86.1	50.0	1.72
6/6/2019	OBC HS1	11	12.0	1.9	84.2	50.0	1.68
	OBC HS2	11	12.0	1.1	90.8	50.0	1.82
	JHF HS1	30	8.3	2.4	71.1	50.0	1.42
6/14/2019	OBC HS1	12	8.3	1.2	85.5	50.0	1.71
	OBC HS2	12	8.3	2.2	73.5	50.0	1.47
	JHF HS1	19	6.9	1.5	78.3	45.0	1.74
6/21/2019	OBC HS1	11	9.0	1.9	78.9	50.0	1.58
	OBC HS2	11	9.0	1.9	78.9	50.0	1.58
	JHF HS1	24	7.0	1.5	78.6	45.0	1.75
6/24/2019	OBC HS1	11	7.8	2.5	67.9	45.0	1.51
	OBC HS2	11	7.8	2.2	71.8	45.0	1.60
	JHF HS1	18	8.0	2.6	67.5	45.0	1.50
7/2/2019	OBC HS1	12	7.2	2.3	68.1	45.0	1.51
	OBC HS2	12	7.2	1.8	75.0	45.0	1.67
	JHF HS1	21	7.7	3.8	50.6	45.0	1.13
7/10/2019	OBC HS1	15	6.0	2.1	65.0	45.0	1.44
	OBC HS2	15	6.0	1.7	71.7	45.0	1.59
	JHF HS1	21	5.8	1.7	70.7	45.0	1.57
<b>RUNNING ANNUAL AVERAGE</b>	OBC HS1						1.49
	OBC HS2						1.43
	JHF HS1						1.41
<b>TOTAL COMBINED RUNNING ANNUAL AVERAGE</b>							<b>1.44</b>



**CITY OF JACKSON  
TOC REMOVAL SUMMARY**

2019

TOC Table- Required % Removal of TOC			
Source Water TOC (ppm)	Source Water Alkalinity, ppm as CaCO <sub>3</sub>		
	0-60	>60-120	>120
>2.0 to 4.0	35.0%	25.0%	15.0%
>4.0 to 8.0	45.0%	35.0%	25.0%
>8.0	50.0%	40.0%	30.0%

$$\% \text{ ACTUAL TOC REMOVED} = \frac{\text{RAW TOC} - \text{FINISHED TOC}}{\text{RAW TOC}} \times 100\%$$

$$\text{TOC REMOVAL RATIO} = \frac{\% \text{ ACTUAL TOC REMOVED}}{\text{REQUIRED TOC REMOVAL}}$$

Date	Water Treatment Plant	TOC Summary			TOC % Removal Summary		
		Source Water Alkalinity (ppm)	Source Water TOC (ppm)	Treated Water TOC (ppm)	Actual TOC Removed (%)	Required TOC Removal (%)	TOC Removal Ratio
7/15/2019	OBC HS1	20	10.1	1.6	84.2	50.0	1.68
	OBC HS2	20	10.1	4.9	51.5	50.0	1.03
	JHF HS1	24	12.9	3.5	72.9	50.0	1.46
7/22/2019	OBC HS1	15	8.0	2.0	75.0	45.0	1.67
	OBC HS2	15	8.0	2.7	66.3	45.0	1.47
	JHF HS1	20	7.4	1.5	79.7	45.0	1.77
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
<b>RUNNING ANNUAL AVERAGE</b>	OBC HS1						1.50
	OBC HS2						1.41
	JHF HS1						1.38
<b>TOTAL COMBINED RUNNING ANNUAL AVERAGE</b>							<b>1.45</b>

**CITY OF JACKSON  
CORROSION CONTROL DATA**

July 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
1	0700 - 1500	9.1	25	19	9.6	70	37
	1500 - 2300	9.3	19	17	9.7	69	35
	2300 - 0700	9.9	24	19	9.8	68	33
2	0700 - 1500	9.0	26	22	9.8	78	35
	1500 - 2300	9.2	22	18	9.5	71	29
	2300 - 0700	9.0	22	19	9.7	74	29
3	0700 - 1500	8.7	23	16	9.5	80	32
	1500 - 2300	9.1	21	21	9.5	75	29
	2300 - 0700	9.1	27	20	9.6	77	28
4	0700 - 1500	8.9	20	20	9.6	82	37
	1500 - 2300	8.3	23	22	9.4	82	33
	2300 - 0700	9.2	25	20	9.5	80	31
5	0700 - 1500	9.1	22	21	9.3	82	33
	1500 - 2300	9.2	23	19	9.1	83	37
	2300 - 0700	9.3	27	22	9.5	84	33
6	0700 - 1500	9.2	23	21	9.3	92	32
	1500 - 2300	9.2	24	23	9.2	75	25
	2300 - 0700	9.3	26	21	9.3	84	29
7	0700 - 1500	9.3	25	19	9.5	88	35
	1500 - 2300	9.3	26	21	9.1	75	27
	2300 - 0700	9.1	26	21	9.3	83	34
8	0700 - 1500	9.0	27	23	9.5	87	33
	1500 - 2300	9.2	26	20	9.0	72	32
	2300 - 0700	9.0	27	22	9.4	84	30
9	0700 - 1500	9.0	30	23	9.4	77	35
	1500 - 2300	9.3	28	25	9.3	82	33
	2300 - 0700	9.2	28	23	9.3	81	27
10	0700 - 1500	9.5	29	23	9.0	80	27
	1500 - 2300	9.2	30	24	9.5	77	25
	2300 - 0700	9.4	28	23	9.6	81	32
11	0700 - 1500	9.3	32	28	9.6	90	43
	1500 - 2300	7.8	29	22	9.5	74	24
	2300 - 0700	9.5	31	24	9.6	81	37

**CITY OF JACKSON  
CORROSION CONTROL DATA**

July 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
12	0700 - 1500	9.3	28	22	9.5	85	44
	1500 - 2300	9.4	27	23	9.4	81	34
	2300 - 0700	9.5	26	21	9.3	85	39
13	0700 - 1500	9.3	28	23	9.6	94	39
	1500 - 2300	9.3	27	25	9.7	86	41
	2300 - 0700	9.1	28	22	9.4	85	36
14	0700 - 1500	9.2	26	21	9.5	89	54
	1500 - 2300	9.3	27	25	9.7	89	52
	2300 - 0700	9.2	29	22	10.0	80	39
15	0700 - 1500	9.4	27	24	9.6	81	37
	1500 - 2300	9.1	27	25	9.7	76	46
	2300 - 0700	9.0	26	26	9.6	80	27
16	0700 - 1500	9.4	23	19	9.9	76	46
	1500 - 2300	9.0	23	17	9.8	74	37
	2300 - 0700	9.4	22	19	9.8	75	26
17	0700 - 1500	9.1	27	21	9.6	84	39
	1500 - 2300	9.1	26	18	9.8	83	35
	2300 - 0700	9.3	29	23	9.7	75	25
18	0700 - 1500	8.9	26	25	9.5	78	35
	1500 - 2300	9.4	30	18	9.7	74	32
	2300 - 0700	9.5	31	24	9.7	76	27
19	0700 - 1500	8.9	27	22	9.8	81	38
	1500 - 2300	8.8	25	25	9.7	78	27
	2300 - 0700	9.5	28	23	9.6	72	24
20	0700 - 1500	9.0	27	25	9.8	76	25
	1500 - 2300	9.3	28	24	9.2	76	23
	2300 - 0700	9.3	28	21	10.0	80	30
21	0700 - 1500	9.5	27	21	9.8	81	43
	1500 - 2300	9.3	32	26	9.8	80	31
	2300 - 0700	9.3	29	25	9.7	82	30
22	0700 - 1500	9.3	25	25	9.4	76	48
	1500 - 2300	9.5	31	24	9.8	71	32
	2300 - 0700	9.1	30	27	9.5	69	24

**CITY OF JACKSON  
CORROSION CONTROL DATA**

July 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
23	0700 - 1500	9.1	27	25	9.4	69	46
	1500 - 2300	9.3	27	25	9.5	82	44
	2300 - 0700	9.1	29	26	9.8	71	26
24	0700 - 1500	9.2	27	24	9.8	77	35
	1500 - 2300	8.9	26	23	9.4	83	41
	2300 - 0700	9.2	29	25	9.9	76	29
25	0700 - 1500	8.9	25	17	9.3	63	35
	1500 - 2300	8.9	28	21	9.6	70	37
	2300 - 0700	8.9	27	20	9.7	67	23
26	0700 - 1500	9.2	24	23	9.3	69	24
	1500 - 2300	9.4	28	23	9.6	68	34
	2300 - 0700	9.5	30	25	9.5	69	20
27	0700 - 1500	9.1	27	23	9.7	76	23
	1500 - 2300	9.4	30	25	9.2	74	26
	2300 - 0700	9.4	25	19	9.5	71	21
28	0700 - 1500	9.2	28	20	9.1	78	29
	1500 - 2300	8.9	31	22	9.6	70	55
	2300 - 0700	8.9	29	20	9.4	69	31
29	0700 - 1500	9.1	29	17	9.7	61	34
	1500 - 2300	9.1	27	23	9.4	66	38
	2300 - 0700	9.4	28	25	9.4	71	28
30	0700 - 1500	9.5	30	20	9.2	68	26
	1500 - 2300	9.1	28	25	9.4	82	28
	2300 - 0700	9.0	26	25	9.5	74	26
31	0700 - 1500	9.0	29	27	9.8	58	39
	1500 - 2300	9.3	31	28	9.2	78	23
	2300 - 0700	9.1	29	24	9.4	71	27
<b>MONTHLY MIN</b>		<b>7.8</b>	<b>19</b>	<b>16</b>	<b>9.0</b>	<b>58</b>	<b>20</b>
<b>MONTHLY MAX</b>		<b>9.9</b>	<b>32</b>	<b>28</b>	<b>10.0</b>	<b>94</b>	<b>55</b>
<b>MONTHLY AVG</b>		<b>9.2</b>	<b>27</b>	<b>22</b>	<b>9.5</b>	<b>77</b>	<b>33</b>

\*OBC: pHs <9.0 due to membrane flow changes caused by microscreen failure.

**CITY OF JACKSON  
UV COMPLIANCE**

System ID 250008-02

Total Off-Specification Volume (MG) = 0

Date	UV Reactor #1					UV Reactor #2					UV Reactor #3				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm <sup>2</sup> )	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm <sup>2</sup> )	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm <sup>2</sup> )	Min Flow Rate (MGD)	Min UVT (%)
7/1/2019	23.3	2106633	109	2.1	85	24.0	2115307	33	2.1	85	24.0	2016429	41	2.0	89
7/2/2019	24.0	2202987	42	2.2	85	23.2	1757055	116	1.8	85	23.4	1980267	76	2.0	88
7/3/2019	23.2	2182280	51	2.2	85	22.6	1906869	123	1.9	85	23.7	2036047	63	2.0	88
7/4/2019	22.8	2164840	74	2.2	85	18.0	2066626	72	2.1	85	23.1	2028889	51	2.0	87
7/5/2019	23.2	2297985	107	2.3	85	22.8	1831197	114	1.8	85	23.0	2122691	60	2.1	87
7/6/2019	22.6	2065654	63	2.1	85	23.2	2067394	100	2.1	85	24.0	1971747	41	2.0	88
7/7/2019	23.7	2437213	71	2.4	85	23.0	1904303	79	1.9	85	23.2	2202002	70	2.2	87
7/8/2019	23.3	2461598	59	2.5	85	23.7	1957726	68	2.0	85	23.4	2268262	47	2.3	88
7/9/2019	23.7	2435507	60	2.4	85	23.1	1864523	79	1.9	85	23.7	2255086	36	2.3	87
7/10/2019	23.7	2405167	84	2.4	85	23.5	1871106	92	1.9	85	23.7	2221555	49	2.2	88
7/11/2019	19.3	1828809	56	1.8	85	19.3	1559625	654	1.6	85	19.3	1679296	33	1.7	88
7/12/2019	22.8	2198628	50	2.2	85	23.3	2018332	89	2.0	85	22.8	2004279	49	2.0	86
7/13/2019	23.2	2221680	118	2.2	85	23.7	2309553	64	2.3	85	23.5	2062202	83	2.1	86
7/14/2019	23.0	2332418	83	2.3	85	23.8	1890177	58	1.9	85	23.7	2204611	60	2.2	87
7/15/2019	19.2	2647538	75	2.6	85	21.8	1609738	229	1.6	85	23.2	2463109	57	2.5	88
7/16/2019	21.5	2473979	102	2.5	85	23.5	2073525	79	2.1	85	22.9	2350097	81	2.4	88
7/17/2019	20.0	2296012	56	2.3	85	24.0	2065474	34	2.1	85	23.8	2170246	53	2.2	88
7/18/2019	15.3	2168962	50	2.2	85	23.4	1865242	104	1.9	85	23.6	1986570	43	2.0	89
7/19/2019	23.5	2406216	85	2.4	85	24.0	1742237	39	1.7	85	23.6	2221959	51	2.2	89
7/20/2019	22.3	2295616	62	2.3	85	23.4	1927418	104	1.9	85	23.4	2105980	41	2.1	87
7/21/2019	24.0	2409226	41	2.4	85	23.1	1859490	138	1.9	85	23.2	2145306	64	2.1	88
7/22/2019	23.2	2315181	97	2.3	85	24.0	1835222	38	1.8	85	24.0	2194139	42	2.2	90
7/23/2019	20.9	1999417	51	2.0	85	23.2	1939163	103	1.9	85	23.4	1901806	69	1.9	89
7/24/2019	22.8	2339488	61	2.3	85	23.0	1842542	149	1.8	85	23.4	2203782	85	2.2	88
7/25/2019	24.0	2472693	37	2.5	85	23.2	1896095	113	1.9	85	23.3	2198049	104	2.2	87
7/26/2019	22.2	2385750	81	2.4	85	22.2	1855268	112	1.9	85	24.0	2276858	37	2.3	88
7/27/2019	21.6	2372678	69	2.4	85	24.0	2014852	34	2.0	85	23.0	2136151	83	2.1	87
7/28/2019	21.2	2366185	57	2.4	85	23.2	1750784	138	1.8	85	23.4	2203742	83	2.2	87
7/29/2019	24.0	2423207	39	2.4	85	23.2	1784473	115	1.8	85	23.5	2173843	49	2.2	87
7/30/2019	19.4	2236150	66	2.2	85	20.8	1727756	350	1.7	85	20.5	1968412	90	2.0	87
7/31/2019	17.7	2387725	41	2.4	85	23.0	2134500	32	2.1	85	23.0	2173056	37	2.2	89

**CITY OF JACKSON  
UV COMPLIANCE**

System ID 250008-02

Total Off-Specification Volume (MG) = 0

Date	UV Reactor #4					UV Reactor #5					UV Reactor #6				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm <sup>2</sup> )	Min Flow Rate (MGD)	Min UV <sub>T</sub> (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm <sup>2</sup> )	Min Flow Rate (MGD)	Min UV <sub>T</sub> (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm <sup>2</sup> )	Min Flow Rate (MGD)	Min UV <sub>T</sub> (%)
7/1/2019	24.0	2241283	41	2.2	95	22.6	2107282	199	2.1	91	23.3	2145745	53	2.1	85
7/2/2019	23.4	2207423	41	2.2	95	22.5	2091885	98	2.1	91	22.9	2099635	63	2.1	85
7/3/2019	23.2	2234421	40	2.2	95	24.0	2028545	79	2.0	92	22.8	2153086	50	2.2	85
7/4/2019	23.6	2287203	40	2.3	95	23.1	1757581	111	1.8	91	22.4	2141916	50	2.1	85
7/5/2019	23.5	2359272	39	2.4	95	23.2	1722744	134	1.7	91	24.0	2390180	50	2.4	85
7/6/2019	23.7	2162788	41	2.2	95	22.8	1693177	166	1.7	91	23.3	2101843	53	2.1	85
7/7/2019	22.8	2420151	36	2.4	95	22.5	1814779	179	1.8	91	23.7	2454946	47	2.5	85
7/8/2019	23.2	2480867	37	2.5	95	24.0	1824920	86	1.8	92	23.3	2431932	47	2.4	85
7/9/2019	22.9	2415255	37	2.4	95	23.4	1950200	81	2.0	91	23.3	2421783	47	2.4	85
7/10/2019	24.0	2490711	38	2.5	95	22.4	2016734	110	2.0	91	23.0	2341418	48	2.3	85
7/11/2019	18.7	1772187	32	1.8	95	19.3	1615752	211	1.6	92	16.8	1797778	49	1.8	85
7/12/2019	23.3	2243973	39	2.2	95	23.1	1995715	70	2.0	88	24.0	2271096	50	2.3	85
7/13/2019	23.5	2296746	39	2.3	95	23.1	2331388	140	2.3	89	23.1	2205336	47	2.2	85
7/14/2019	23.8	2447077	38	2.4	95	22.7	2102806	104	2.1	89	23.2	2362287	46	2.4	85
7/15/2019	23.3	2729648	35	2.7	95	23.6	1991425	131	2.0	90	23.2	2702561	44	2.7	85
7/16/2019	22.9	2581379	36	2.6	95	19.1	2062753	80	2.1	91	23.5	2618202	46	2.6	85
7/17/2019	23.4	2358979	40	2.4	95	24.0	2305369	115	2.3	91	23.6	2335514	52	2.3	85
7/18/2019	24.0	2224850	43	2.2	95	24.0	2355349	83	2.4	93	24.0	2200976	56	2.2	85
7/19/2019	23.4	2449440	39	2.4	95	24.0	2126040	133	2.1	93	23.6	2430557	50	2.4	85
7/20/2019	14.6	2341529	26	2.3	95	24.0	2136418	122	2.1	91	23.6	2317515	52	2.3	85
7/21/2019	22.1	2345163	39	2.3	95	24.0	2116708	107	2.1	92	22.7	2251776	85	2.3	85
7/22/2019	24.0	2428853	41	2.4	95	24.0	2116645	92	2.1	94	24.0	2399596	52	2.4	85
7/23/2019	23.2	2132465	44	2.1	95	24.0	2203098	135	2.2	91	22.8	2028931	68	2.0	85
7/24/2019	23.4	2429904	51	2.4	95	24.0	1966174	230	2.0	90	22.7	2306768	60	2.3	85
7/25/2019	23.9	2509132	37	2.5	95	24.0	1592616	99	1.6	92	24.0	2493004	47	2.5	85
7/26/2019	23.4	2442919	38	2.4	95	24.0	2005035	149	2.0	90	22.8	2351278	47	2.4	85
7/27/2019	23.2	2365890	49	2.4	95	24.0	1996565	116	2.0	90	23.7	2403226	60	2.4	85
7/28/2019	23.5	2451283	38	2.5	95	24.0	2068814	118	2.1	91	22.8	2328764	47	2.3	85
7/29/2019	22.8	2332431	37	2.3	95	24.0	2103539	123	2.1	90	24.0	2439451	49	2.4	85
7/30/2019	22.2	2364294	36	2.4	95	24.0	2126103	140	2.1	92	21.5	2232653	79	2.2	85
7/31/2019	22.4	2318632	48	2.3	95	24.0	2048286	85	2.0	85	22.2	2260711	92	2.3	85

**CITY OF JACKSON  
UV COMPLIANCE**

System ID 250008-01

Total Off-Specification Volume (MG) = 0

Date	Min Flow Rate (MGD)	Total Production (Gals)	UV Reactor #1			UV Reactor #2			UV Reactor #3			UV Reactor #4					
			Run Time (Hrs)	Calc Min Dose (mJ/cm <sup>2</sup> )	Min UVT (%)	Run Time (Hrs)	Calc Min Dose (mJ/cm <sup>2</sup> )	Min UVT (%)	Run Time (Hrs)	Calc Min Dose (mJ/cm <sup>2</sup> )	Min UVT (%)	Run Time (Hrs)	Calc Min Dose (mJ/cm <sup>2</sup> )	Min UVT (%)			
7/1/2019	10.8	10775695	23.8	25	85	6.8	27	85	14.8	19	75	OFFLINE					
7/2/2019	10.9	10890660	24.0	25	85	OFFLINE			24.0	28	75						
7/3/2019	10.9	10862569	24.0	22	85				24.0	29	75						
7/4/2019	10.9	10926403	24.0	15	85				24.0	28	75						
7/5/2019	10.9	10879514	24.0	15	85	24.0	29	75									
7/6/2019	10.7	10739861	14.4	18	85	5.6	26	85	24.0	27	75						
7/7/2019	10.6	10570156	OFFLINE			24.0	28	85	24.0	27	75						
7/8/2019	10.6	10599379				23.8	27	85	23.8	26	75						
7/9/2019	10.6	10553958				24.0	28	85	24.0	26	75						
7/10/2019	10.6	10562014				24.0	27	85	24.0	25	75						
7/11/2019	10.6	10597723	14.5	25	85	21.8	24	85	17.0	18	75						
7/12/2019	10.8	10800712	24.0	25	85	OFFLINE			24.0	26	75						
7/13/2019	10.8	10830747	24.0	25	85				24.0	25	75						
7/14/2019	10.9	10850955	21.5	26	85				24.0	25	75						
7/15/2019	10.7	10689508	10.7	26	85				24.0	25	75						
7/16/2019	10.9	10903177	24.0	25	85				24.0	24	75						
7/17/2019	10.9	10901371	24.0	25	85				24.0	24	75						
7/18/2019	10.9	10900121	24.0	26	85				24.0	26	75						
7/19/2019	10.9	10902517	24.0	26	85				24.0	26	75						
7/20/2019	10.9	10947768	22.1	25	85				22.1	26	75						
7/21/2019	10.9	10947899	24.0	26	85				24.0	27	75						
7/22/2019	11.0	10970364	16.3	18	85	5.8	26	85	17.3	19	75						
7/23/2019	10.5	10480399	24.0	26	85	24.0	27	85	OFFLINE								
7/24/2019	10.5	10467465	24.0	26	85	24.0	27	85									
7/25/2019	10.5	10479792	6.3	27	85	24.0	29	85	8.8	33	75						
7/26/2019	10.7	10659948	OFFLINE			24.0	29	85	24.0	24	75						
7/27/2019	10.6	10622795				24.0	29	85	24.0	24	75						
7/28/2019	10.6	10642951	5.4	27	85	24.0	29	85	13.6	28	75						
7/29/2019	10.5	10543924	24.0	23	85	6.4	27	85	OFFLINE						17.5	20	87
7/30/2019	10.5	10528976	24.0	22	85	OFFLINE									24.0	28	87
7/31/2019	10.6	10622969	24.0	22	85										24.0	28	87