

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

**System ID**                    **250008-02**  
**Month of**                    **November 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. 99.7%

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	1.9	7	2.0	13	2.4	19	2.4	25	2.7
2	2.3	8	1.8	14	2.2	20	2.4	26	2.6
3	2.6	9	2.7	15	2.3	21	2.1	27	2.1
4	2.4	10	2.2	16	2.2	22	2.4	28	2.1
5	2.5	11	1.9	17	2.7	23	3.1	29	3.7
6	2.7	12	2.1	18	3.0	24	2.7	30	2.0

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. 125

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  
 November 2019

Nov 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	10.1	0.51	0.24
2	10.0	0.52	0.27
3	13.9	0.44	0.22
4	8.8	0.55	0.23
5	10.4	0.65	0.26
6	27.0	0.86	0.26
7	27.6	1.31	0.29
8	29.8	1.09	0.25
9	33.0	1.20	0.30
10	30.8	1.31	0.20
11	32.1	2.22	0.20
12	31.5	2.07	0.28
13	34.9	2.51	0.21
14	32.2	1.33	0.32
15	26.7	1.21	0.33
16	27.2	1.40	0.12
17	24.9	1.41	0.10
18	23.4	1.34	0.16
19	24.3	1.15	0.17
20	22.5	1.34	0.12
21	23.5	1.11	0.22
22	22.8	1.30	0.24
23	22.1	1.34	0.25
24	21.4	1.42	0.32
25	20.7	1.36	0.22
26	20.8	1.58	0.15
27	19.7	1.62	0.09
28	21.4	1.52	0.12
29	18.8	1.42	0.08
30	20.9	1.58	0.18
<b>MIN</b>	<b>8.8</b>	<b>0.44</b>	<b>0.08</b>
<b>MAX</b>	<b>34.9</b>	<b>2.51</b>	<b>0.33</b>
<b>AVG</b>	<b>23.1</b>	<b>1.29</b>	<b>0.18</b>

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

System ID  
Month Of

250008-02  
November 2019

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

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

System ID  
 Month Of

250008-02  
 November 2019

Nov 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.7	3.0	2.4	2.8	1.9	2.7
2	2.3	3.8	3.8	3.6	3.1	3.1
3	2.9	2.6	3.5	3.3	3.7	2.7
4	2.6	2.4	2.5	2.6	2.6	3.4
5	3.4	3.5	2.5	3.5	3.5	2.7
6	2.7	2.8	4.3	2.9	2.7	2.7
7	3.2	3.7	2.6	2.8	2.0	2.7
8	2.6	2.5	1.8	2.3	2.0	2.4
9	2.7	2.8	3.3	3.2	2.7	2.7
10	2.5	3.2	3.5	3.7	3.7	2.2
11	2.6	2.0	2.3	2.6	1.9	2.9
12	2.5	3.0	2.7	2.8	2.1	3.5
13	2.4	3.0	3.0	2.9	3.1	2.8
14	2.8	2.2	2.7	2.8	2.8	2.8
15	2.8	2.7	2.8	2.5	2.3	2.3
16	2.6	2.6	2.7	2.2	2.8	2.7
17	2.9	2.9	2.8	2.8	2.7	2.9
18	3.0	3.1	3.1	3.1	3.1	3.0
19	2.9	2.5	2.4	2.4	2.4	2.4
20	2.4	2.5	2.5	2.4	2.4	2.6
21	3.1	2.6	2.6	3.4	2.2	2.1
22	2.4	3.4	3.2	3.2	3.3	3.1
23	3.3	3.4	3.2	3.1	3.1	3.3
24	2.7	3.2	3.1	3.1	3.2	2.7
25	3.3	3.1	3.1	3.0	2.7	2.7
26	3.2	3.0	3.0	2.7	2.6	2.6
27	2.8	2.8	2.9	3.2	2.4	2.1
28	2.1	2.4	3.0	3.3	3.4	3.5
29	3.7	3.8	3.9	4.1	4.1	3.9
30	2.0	2.0	2.0	3.3	3.4	3.2
<b>MIN</b>	<b>2.0</b>	<b>2.0</b>	<b>1.8</b>	<b>2.2</b>	<b>1.9</b>	<b>2.1</b>
<b>MAX</b>	<b>3.7</b>	<b>3.8</b>	<b>4.3</b>	<b>4.1</b>	<b>4.1</b>	<b>3.9</b>
<b>AVG</b>	<b>2.8</b>	<b>2.9</b>	<b>2.9</b>	<b>3.0</b>	<b>2.8</b>	<b>2.8</b>

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

**System ID**                    **250008-02**  
**Month of**                    **November 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. 99.8%

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	2.0	7	2.5	13	2.5	19	1.9	25	2.1
2	2.5	8	2.6	14	2.5	20	2.0	26	2.3
3	2.6	9	2.7	15	1.9	21	2.3	27	1.8
4	2.4	10	1.8	16	2.2	22	2.4	28	2.2
5	2.5	11	1.8	17	2.1	23	2.2	29	2.4
6	2.7	12	2.5	18	2.4	24	2.5	30	2.1

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. 125

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  
 November 2019

Nov 2019	TURBIDITIES (NTU)	
	RAW	FINISHED
1	10.1	0.16
2	10.0	0.11
3	13.9	0.22
4	8.8	0.15
5	10.4	0.14
6	27.0	0.13
7	27.6	0.28
8	29.8	0.13
9	33.0	0.24
10	30.8	0.15
11	32.1	0.28
12	31.5	0.14
13	34.9	0.14
14	32.2	0.07
15	26.7	0.08
16	27.2	0.19
17	24.9	0.11
18	23.4	0.21
19	24.3	0.19
20	22.5	0.03
21	23.5	0.06
22	22.8	0.17
23	22.1	0.09
24	21.4	0.12
25	20.7	0.15
26	20.8	0.03
27	19.7	0.05
28	21.4	0.08
29	18.8	0.04
30	20.9	0.02
<b>MIN</b>	<b>8.8</b>	<b>0.02</b>
<b>MAX</b>	<b>34.9</b>	<b>0.28</b>
<b>AVG</b>	<b>23.1</b>	<b>0.13</b>

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

System ID  
 Month Of

250008-02  
 November 2019

Nov 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.12	0.13	0.16	0.10	0.08	0.07
2	0.07	0.06	0.11	0.07	0.07	0.07
3	0.14	0.05	0.12	0.07	0.05	0.22
4	0.07	0.15	0.10	0.08	0.07	0.05
5	0.05	0.06	0.14	0.08	0.07	0.07
6	0.07	0.13	0.08	0.10	0.07	0.07
7	0.07	0.09	0.28	0.15	0.16	0.15
8	0.09	0.13	0.09	0.09	0.06	0.08
9	0.13	0.08	0.07	0.07	0.13	0.24
10	0.15	0.07	0.07	0.07	0.06	0.14
11	0.05	0.07	0.06	0.28	0.07	0.07
12	0.07	0.14	0.14	0.10	0.10	0.06
13	0.04	0.06	0.14	0.08	0.07	0.07
14	0.07	0.05	0.04	0.04	0.05	0.05
15	0.05	0.06	0.08	0.07	0.06	0.04
16	0.14	0.14	0.13	0.19	0.05	0.02
17	0.02	0.03	0.11	0.02	0.03	0.02
18	0.02	0.21	0.04	0.03	0.03	0.02
19	0.04	0.19	0.19	0.06	0.02	0.02
20	0.02	0.02	0.02	0.02	0.03	0.02
21	0.02	0.03	0.06	0.06	0.05	0.06
22	0.06	0.07	0.17	0.09	0.09	0.08
23	0.07	0.08	0.08	0.09	0.08	0.08
24	0.08	0.09	0.12	0.12	0.07	0.06
25	0.07	0.09	0.15	0.06	0.04	0.03
26	0.02	0.03	0.02	0.02	0.02	0.02
27	0.02	0.02	0.03	0.02	0.04	0.05
28	0.05	0.04	0.08	0.03	0.02	0.02
29	0.02	0.02	0.02	0.04	0.02	0.02
30	0.02	0.02	0.02	0.02	0.02	0.02
<b>MIN</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>
<b>MAX</b>	<b>0.15</b>	<b>0.21</b>	<b>0.28</b>	<b>0.28</b>	<b>0.16</b>	<b>0.24</b>
<b>AVG</b>	<b>0.06</b>	<b>0.08</b>	<b>0.10</b>	<b>0.08</b>	<b>0.06</b>	<b>0.07</b>

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

System ID  
 Month Of

250008-02  
 November 2019

Nov 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.7	3.1	2.5	2.6	3.0	2.0
2	2.5	2.6	2.6	2.6	2.7	2.6
3	2.6	2.6	2.9	3.4	2.6	2.6
4	2.7	2.8	2.9	2.9	2.7	2.4
5	2.5	2.8	3.6	2.7	2.7	3.0
6	2.8	2.9	3.5	2.9	2.8	2.7
7	2.5	2.6	2.6	2.5	2.6	2.6
8	2.8	3.1	3.0	2.6	2.7	2.6
9	2.8	2.9	2.8	2.8	2.7	2.7
10	2.7	2.9	2.7	2.5	2.3	1.8
11	1.8	2.0	2.9	2.7	3.2	2.0
12	2.5	2.9	2.5	2.6	2.6	3.4
13	2.9	2.6	2.5	2.7	2.8	2.6
14	2.6	2.6	2.5	2.5	2.5	2.6
15	1.9	2.4	2.4	2.6	3.6	3.5
16	3.9	4.0	3.3	3.3	2.4	2.2
17	2.1	2.2	2.1	2.1	2.2	2.2
18	2.4	2.5	2.5	2.5	2.5	2.6
19	2.2	2.2	2.0	1.9	1.9	2.0
20	2.0	2.1	2.7	2.7	2.6	2.7
21	3.0	2.7	2.8	2.4	2.3	2.5
22	2.4	2.4	2.7	3.4	2.9	2.4
23	2.2	2.2	2.5	2.8	3.3	3.1
24	3.3	3.6	3.4	2.9	2.5	2.5
25	2.5	2.7	3.1	2.4	2.1	2.3
26	2.8	2.8	2.9	2.7	2.6	2.3
27	2.4	2.8	2.8	2.4	1.9	1.8
28	2.3	2.2	2.5	2.3	2.2	2.3
29	3.0	2.7	2.7	2.9	2.8	2.4
30	3.1	2.1	2.5	2.5	2.6	2.5
<b>MIN</b>	<b>1.8</b>	<b>2.0</b>	<b>2.0</b>	<b>1.9</b>	<b>1.9</b>	<b>1.8</b>
<b>MAX</b>	<b>3.9</b>	<b>4.0</b>	<b>3.6</b>	<b>3.4</b>	<b>3.6</b>	<b>3.5</b>
<b>AVG</b>	<b>2.6</b>	<b>2.7</b>	<b>2.7</b>	<b>2.7</b>	<b>2.6</b>	<b>2.5</b>



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

**System ID**                    **250008-01**  
**Month of**                    **November 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. 99.3%

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	2.4	7	3.2	13	1.4	19	2.0	25	1.7
2	2.5	8	3.5	14	1.4	20	1.9	26	1.4
3	1.9	9	3.2	15	2.8	21	2.3	27	3.2
4	2.6	10	3.0	16	2.3	22	1.7	28	3.0
5	2.9	11	2.9	17	3.4	23	1.9	29	2.3
6	2.7	12	3.1	18	3.0	24	1.2	30	2.4

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. 125

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  
November 2019

Nov 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	26.2	0.77	0.24	0.17
2	27.2	0.83	0.25	0.19
3	31.6	0.85	0.30	0.24
4	29.7	0.90	0.28	0.17
5	25.1	0.79	0.23	0.14
6	28.1	0.78	0.26	0.18
7	29.8	0.97	0.30	0.24
8	32.4	5.12	0.30	0.24
9	30.0	1.69	0.24	0.19
10	39.3	1.00	0.22	0.19
11	36.1	0.90	0.30	0.24
12	36.3	2.80	0.33	0.29
13	44.6	2.51	0.32	0.29
14	39.7	1.23	0.30	0.28
15	31.4	1.88	0.30	0.25
16	29.8	1.98	0.18	0.24
17	27.3	1.42	0.31	0.23
18	26.0	1.90	0.30	0.22
19	24.8	1.25	0.33	0.21
20	26.9	1.63	0.27	0.14
21	25.2	1.02	0.33	0.15
22	32.6	1.23	0.31	0.14
23	38.5	1.48	0.22	0.30
24	24.2	1.46	0.25	0.15
25	23.9	1.14	0.25	0.11
26	25.9	1.27	0.27	0.11
27	37.2	1.01	0.25	0.11
28	28.8	1.50	0.30	0.17
29	20.8	1.25	0.25	0.16
30	23.3	0.77	0.25	0.10
<b>MIN</b>	<b>20.8</b>	<b>0.77</b>	<b>0.18</b>	<b>0.10</b>
<b>MAX</b>	<b>44.6</b>	<b>5.12</b>	<b>0.33</b>	<b>0.30</b>
<b>AVG</b>	<b>30.1</b>	<b>1.44</b>	<b>0.27</b>	<b>0.16</b>

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

System ID  
MONTH

250008-01  
November 2019

Nov 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.17	0.16	0.15	0.15	0.15	0.15
2	0.17	0.16	0.16	0.17	0.18	0.19
3	0.23	0.24	0.21	0.21	0.17	0.16
4	0.16	0.17	0.16	0.16	0.16	0.14
5	0.13	0.13	0.13	0.13	0.14	0.14
6	0.16	0.17	0.16	0.17	0.18	0.18
7	0.23	0.24	0.19	0.18	0.17	0.18
8	0.24	0.20	0.20	0.20	0.17	0.20
9	0.19	0.14	0.12	0.15	0.14	0.17
10	0.18	0.19	0.16	0.14	0.14	0.15
11	0.18	0.20	0.23	0.24	0.22	0.20
12	0.24	0.23	0.27	0.20	0.22	0.29
13	0.29	0.29	0.15	0.15	0.19	0.19
14	0.23	0.24	0.28	0.23	0.27	0.19
15	0.22	0.21	0.25	0.16	0.18	0.19
16	0.21	0.20	0.24	0.19	0.21	0.21
17	0.20	0.23	0.20	0.19	0.19	0.23
18	0.22	0.19	0.18	0.18	0.19	0.20
19	0.21	0.21	0.21	0.20	0.16	0.12
20	0.11	0.13	0.14	0.12	0.13	0.13
21	0.13	0.14	0.14	0.14	0.13	0.15
22	0.14	0.13	0.12	0.10	0.11	0.12
23	0.13	0.12	0.13	0.30	0.12	0.13
24	0.15	0.14	0.14	0.10	0.10	0.10
25	0.11	0.11	0.10	0.09	0.09	0.09
26	0.09	0.09	0.11	0.11	0.10	0.10
27	0.10	0.10	0.11	0.11	0.11	0.11
28	0.11	0.12	0.13	0.17	0.13	0.13
29	0.13	0.13	0.14	0.16	0.12	0.10
30	0.10	0.09	0.09	0.09	0.09	0.09
<b>MIN</b>	<b>0.09</b>	<b>0.09</b>	<b>0.09</b>	<b>0.09</b>	<b>0.09</b>	<b>0.09</b>
<b>MAX</b>	<b>0.29</b>	<b>0.29</b>	<b>0.28</b>	<b>0.30</b>	<b>0.27</b>	<b>0.29</b>
<b>AVG</b>	<b>0.17</b>	<b>0.17</b>	<b>0.17</b>	<b>0.16</b>	<b>0.16</b>	<b>0.16</b>

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

System ID  
MONTH

250008-01  
November 2019

Nov 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.4	3.5	3.3	3.6	3.4	3.3
2	3.3	2.7	3.1	3.2	2.9	2.5
3	2.5	3.1	3.5	1.9	2.5	2.7
4	2.8	2.7	3.2	2.6	2.6	2.9
5	2.9	2.9	3.4	3.5	3.7	3.7
6	3.1	2.7	3.2	3.8	4.0	4.1
7	4.1	3.4	3.9	3.2	4.2	4.1
8	4.0	4.1	3.6	3.5	4.2	3.7
9	3.2	4.0	4.0	4.0	4.2	3.9
10	3.6	3.4	3.0	3.0	3.0	3.0
11	3.2	3.3	3.0	2.9	3.0	3.0
12	3.1	3.1	3.1	3.6	3.5	3.3
13	2.6	2.5	2.3	1.9	1.6	1.4
14	1.4	1.7	1.5	2.1	2.4	3.1
15	2.8	2.8	2.8	2.8	2.8	2.8
16	2.8	2.3	2.3	2.5	3.3	3.7
17	3.7	3.7	3.6	3.6	3.5	3.4
18	3.4	3.0	3.0	4.9	4.0	3.9
19	3.9	4.1	4.2	4.1	2.4	2.0
20	2.0	2.0	1.9	1.9	1.9	1.9
21	2.3	2.6	2.6	3.1	2.4	3.0
22	1.7	2.1	2.0	2.8	3.0	2.5
23	2.5	2.7	2.6	2.1	1.9	2.2
24	2.4	1.2	2.7	2.1	3.2	1.3
25	2.4	2.9	2.0	1.8	1.7	1.9
26	2.0	1.4	1.9	3.0	3.4	3.3
27	3.3	3.3	4.3	3.2	3.3	3.4
28	3.3	3.3	3.3	3.1	3.0	3.0
29	3.4	3.4	3.2	2.9	2.7	2.3
30	2.6	2.6	2.5	2.4	3.9	4.3
<b>MIN</b>	<b>1.4</b>	<b>1.2</b>	<b>1.5</b>	<b>1.8</b>	<b>1.6</b>	<b>1.3</b>
<b>MAX</b>	<b>4.1</b>	<b>4.1</b>	<b>4.3</b>	<b>4.9</b>	<b>4.2</b>	<b>4.3</b>
<b>AVG</b>	<b>2.9</b>	<b>2.9</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>

**CITY OF JACKSON  
DISTRIBUTION SYSTEM DISINFECTANT DATA**

**System ID**     250008  
**Month of**        November 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					
2					
3					
4	56				
5	29				
6	33				
7					
8					
9					
10					
11					
12	7				
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Total	125	0	0	0	0
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V = (c+d+e)/(a+b)\*100

V = 0

**CITY OF JACKSON  
CHLORINE DIOXIDE COMPLIANCE**

Nov-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

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

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>

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>



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
8/2/2019	OBC HS1	15	8.2	2.7	67.1	50.0	1.34
	OBC HS2	15	8.2	2.8	65.9	50.0	1.32
	JHF HS1	17	9.6	2.5	74.0	50.0	1.48
8/9/2019	OBC HS1	16	8.4	4.1	51.2	50.0	1.02
	OBC HS2	16	8.4	4.2	50.0	50.0	1.00
	JHF HS1	20	9.9	3.9	60.6	50.0	1.21
8/16/2019	OBC HS1	16	9.1	3.7	59.3	50.0	1.19
	OBC HS2	16	9.1	3.8	58.2	50.0	1.16
	JHF HS1	22	10.2	4.0	60.8	50.0	1.22
8/23/2019	OBC HS1	16	8.8	4.0	54.5	50.0	1.09
	OBC HS2	16	8.8	4.3	51.1	50.0	1.02
	JHF HS1	16	9.0	3.9	56.7	50.0	1.13
8/30/2019	OBC HS1	14	8.5	3.4	60.0	50.0	1.20
	OBC HS2	14	8.5	3.5	58.8	50.0	1.18
	JHF HS1	14	8.3	5.6	32.5	50.0	0.65
9/11/2019	OBC HS1	17	7.7	2.7	64.9	45.0	1.44
	OBC HS2	17	7.7	2.8	63.6	45.0	1.41
	JHF HS1	27	6.4	3.2	50.0	45.0	1.11
9/18/2019	OBC HS1	15	9.7	3	69.1	50.0	1.38
	OBC HS2	15	9.7	3.2	67.0	50.0	1.34
	JHF HS1	26	6.2	3.4	45.2	45.0	1.00
9/27/2019	OBC HS1	16	6.6	2.9	56.1	45.0	1.25
	OBC HS2	16	6.6	2.8	57.6	45.0	1.28
	JHF HS1	27	8.2	2.6	68.3	50.0	1.37
10/2/2019	OBC HS1	16	8.5	3.8	55.3	50.0	1.11
	OBC HS2	16	8.5	4.2	50.6	50.0	1.01
	JHF HS1	22	7.1	3.8	46.5	45.0	1.03
10/7/2019	OBC HS1	16	6.1	3.9	36.1	45.0	0.80
	OBC HS2	16	6.1	1.8	70.5	45.0	1.57
	JHF HS1	24	6.5	2.2	66.2	45.0	1.47
10/14/2019	OBC HS1	19	8.4	3.5	58.3	50.0	1.17
	OBC HS2	19	8.4	2.8	66.7	50.0	1.33
	JHF HS1	24	7.5	2.0	73.3	45.0	1.63
<b>RUNNING ANNUAL AVERAGE</b>	OBC HS1						1.41
	OBC HS2						1.36
	JHF HS1						1.33
<b>TOTAL COMBINED RUNNING ANNUAL AVERAGE</b>							<b>1.38</b>

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
10/22/2019	OBC HS1	14	7.4	2.1	71.6	45.0	1.59
	OBC HS2	14	7.4	1.9	74.3	45.0	1.65
	JHF HS1	20	7.6	2.2	71.1	45.0	1.58
10/30/2019	OBC HS1	14	7.9	3.3	58.2	45.0	1.29
	OBC HS2	14	7.9	3.7	53.2	45.0	1.18
	JHF HS1	13	8.7	3.1	64.4	50.0	1.29
11/22/2019	OBC HS1	7	6.2	2.7	56.5	45.0	1.25
	OBC HS2	7	6.2	2.8	54.8	45.0	1.22
	JHF HS1	14	6.5	1.7	73.8	45.0	1.64
11/25/2019	OBC HS1	10	10.0	3.1	69.0	50.0	1.38
	OBC HS2	10	10.0	3.3	67.0	50.0	1.34
	JHF HS1	7	11.0	3.7	66.4	50.0	1.33
	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						1.40
	OBC HS2						1.36
	JHF HS1						1.37
<b>TOTAL COMBINED RUNNING ANNUAL AVERAGE</b>							<b>1.38</b>

**CITY OF JACKSON  
CORROSION CONTROL DATA**

November 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Alkalinity	Hardness	pH	Alkalinity	Hardness
1	0700 - 1500	9.6	20	25	9.6	23	57
	1500 - 2300	10.0	22	30	9.4	22	59
	2300 - 0700	9.8	29	23	9.5	22	73
2	0700 - 1500	9.4	19	22	9.5	24	87
	1500 - 2300	9.5	20	27	9.6	22	87
	2300 - 0700	9.4	30	23	9.8	21	74
3	0700 - 1500	9.3	28	17	9.7	22	81
	1500 - 2300	9.2	31	20	9.8	25	78
	2300 - 0700	9.1	29	21	9.7	19	60
4	0700 - 1500	9.1	30	17	9.1	15	50
	1500 - 2300	9.2	29	16	9.8	29	35
	2300 - 0700	8.6	29	22	9.1	14	54
5	0700 - 1500	9.4	18	26	9.5	24	47
	1500 - 2300	9.2	23	29	9.5	20	68
	2300 - 0700	9.3	28	21	9.7	20	70
6	0700 - 1500	9.2	28	31	9.3	20	62
	1500 - 2300	9.1	25	27	9.4	20	77
	2300 - 0700	9.0	28	22	9.6	19	71
7	0700 - 1500	9.2	24	21	9.5	27	64
	1500 - 2300	9.5	23	20	9.7	20	77
	2300 - 0700	9.2	30	22	9.9	22	70
8	0700 - 1500	9.1	28	23	9.5	25	59
	1500 - 2300	8.3	13	25	9.0	22	67
	2300 - 0700	9.1	28	21	9.8	20	43
9	0700 - 1500	9.6	18	24	9.5	15	85
	1500 - 2300	9.0	21	26	9.7	19	72
	2300 - 0700	9.4	28	24	9.5	15	69
10	0700 - 1500	9.2	13	19	9.4	20	75
	1500 - 2300	8.9	15	25	9.9	20	75
	2300 - 0700	9.2	31	24	9.6	18	73
11	0700 - 1500	8.9	23	26	9.6	17	64
	1500 - 2300	8.8	20	27	10.1	19	70
	2300 - 0700	9.5	31	21	9.7	17	69

**CITY OF JACKSON  
CORROSION CONTROL DATA**

November 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Alkalinity	Hardness	pH	Alkalinity	Hardness
12	0700 - 1500	9.0	26	28	9.5	20	72
	1500 - 2300	10.2	21	27	9.3	17	96
	2300 - 0700	10.1	29	22	9.2	17	71
13	0700 - 1500	9.5	16	17	9.2	28	57
	1500 - 2300	9.8	30	37	9.0	14	79
	2300 - 0700	9.4	48	32	9.5	16	72
14	0700 - 1500	9.2	29	21	9.8	18	72
	1500 - 2300	9.4	19	20	9.2	22	81
	2300 - 0700	9.3	24	21	9.6	20	75
15	0700 - 1500	9.0	16	12	9.4	19	65
	1500 - 2300	9.4	21	19	9.9	25	61
	2300 - 0700	9.4	29	24	9.7	11	58
16	0700 - 1500	9.6	27	23	9.8	18	70
	1500 - 2300	9.6	25	16	9.3	16	69
	2300 - 0700	9.4	29	21	9.5	13	59
17	0700 - 1500	9.6	23	31	9.9	23	74
	1500 - 2300	9.3	29	30	9.6	19	63
	2300 - 0700	9.5	30	29	9.6	15	63
18	0700 - 1500	9.7	26	20	9.3	14	58
	1500 - 2300	9.5	31	25	9.5	21	58
	2300 - 0700	9.7	31	30	9.5	16	62
19	0700 - 1500	9.7	21	18	9.0	18	52
	1500 - 2300	9.5	31	27	9.6	17	70
	2300 - 0700	9.6	39	27	9.5	14	61
20	0700 - 1500	9.8	29	35	9.5	22	55
	1500 - 2300	9.7	30	37	9.2	18	61
	2300 - 0700	8.4	38	39	9.5	23	56
21	0700 - 1500	8.9	16	25	9.4	20	51
	1500 - 2300	9.2	13	26	9.5	18	75
	2300 - 0700	9.5	36	24	9.4	14	59
22	0700 - 1500	9.6	14	21	9.7	20	41
	1500 - 2300	9.4	16	25	9.1	28	55
	2300 - 0700	9.5	25	30	9.6	22	46

**CITY OF JACKSON  
CORROSION CONTROL DATA**

November 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Alkalinity	Hardness	pH	Alkalinity	Hardness
23	0700 - 1500	9.4	31	44	9.3	14	58
	1500 - 2300	9.4	25	19	9.4	21	68
	2300 - 0700	9.3	29	31	9.2	18	65
24	0700 - 1500	9.8	16	24	9.6	23	61
	1500 - 2300	9.6	22	27	9.8	28	57
	2300 - 0700	9.6	28	24	9.1	13	58
25	0700 - 1500	9.7	15	47	9.2	24	65
	1500 - 2300	9.7	17	35	9.0	25	54
	2300 - 0700	9.6	22	31	9.9	15	57
26	0700 - 1500	10.2	43	10	9.5	20	63
	1500 - 2300	9.8	29	19	9.4	16	61
	2300 - 0700	9.9	30	24	9.6	13	57
27	0700 - 1500	10.0	40	27	9.0	16	51
	1500 - 2300	9.4	51	19	9.7	18	72
	2300 - 0700	9.1	15	23	9.5	11	58
28	0700 - 1500	8.4	14	28	9.7	15	50
	1500 - 2300	8.6	11	12	9.7	17	64
	2300 - 0700	9.1	11	18	9.3	11	57
29	0700 - 1500	9.7	24	24	9.2	16	60
	1500 - 2300	9.6	21	28	9.7	13	53
	2300 - 0700	9.7	22	28	9.3	13	60
30	0700 - 1500	9.5	20	26	9.0	13	76
	1500 - 2300	9.2	21	28	9.1	14	66
	2300 - 0700	10.4			9.2		
<b>MONTHLY MIN</b>		<b>8.3</b>	<b>11</b>	<b>10</b>	<b>9.0</b>	<b>11</b>	<b>35</b>
<b>MONTHLY MAX</b>		<b>10.4</b>	<b>51</b>	<b>47</b>	<b>10.1</b>	<b>29</b>	<b>96</b>
<b>MONTHLY AVG</b>		<b>9.4</b>	<b>25</b>	<b>25</b>	<b>9.5</b>	<b>19</b>	<b>64</b>

**CITY OF JACKSON  
UV COMPLIANCE**

System ID 250008-02

Month of November 2019

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/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)
11/1/2019	24.0	2311036	41	2.3	85	24.0	1932453	24	1.9	85	24.0	2125554	40	2.1	89
11/2/2019	22.2	2252956	38	2.3	85	24.0	1887624	24	1.9	85	24.0	2175489	41	2.2	89
11/3/2019	23.1	2284375	40	2.3	85	24.0	1801004	88	1.8	85	24.7	2203205	49	2.2	89
11/4/2019	24.0	2330489	42	2.3	85	24.0	1971695	23	2.0	85	23.6	2104611	96	2.1	89
11/5/2019	24.0	2590408	38	2.6	85	24.0	1928471	23	1.9	85	24.0	2125018	39	2.1	89
11/6/2019	23.5	2459962	39	2.5	85	24.0	1921355	23	1.9	85	24.0	2123522	38	2.1	89
11/7/2019	22.5	2439754	41	2.4	85	22.2	1684861	170	1.7	85	22.2	2077802	262	2.1	89
11/8/2019	24.0	2733984	39	2.7	85	22.8	2378333	112	2.4	85	23.2	2105149	117	2.1	89
11/9/2019	24.0	2932258	35	2.9	85	24.0	2494827	22	2.5	85	24.0	2136263	38	2.1	89
11/10/2019	23.3	3065044	32	3.1	85	24.0	2462234	22	2.5	85	24.0	2389804	35	2.4	89
11/11/2019	24.0	3042308	35	3.0	85	24.0	2392405	22	2.4	85	24.0	2332134	35	2.3	89
11/12/2019	24.0	2931118	36	2.9	85	OFFLINE					22.5	2166622	106	2.2	89
11/13/2019	24.0	2780503	37	2.8	85	OFFLINE					24.0	2529098	33	2.5	89
11/14/2019	23.4	2611921	38	2.6	85	8.8	2176661	14	2.2	85	24.0	2717297	30	2.7	89
11/15/2019	24.0	2583520	40	2.6	85	22.8	1913835	102	1.9	85	23.5	2878030	86	2.9	89
11/16/2019	24.0	2639368	40	2.6	85	24.0	1946682	23	1.9	85	24.0	2818589	30	2.8	89
11/17/2019	24.0	2687014	39	2.7	85	24.0	1940399	23	1.9	85	24.0	2714135	31	2.7	89
11/18/2019	23.5	2571938	40	2.6	85	24.0	1981623	23	2.0	85	24.0	2576325	32	2.6	89
11/19/2019	24.0	2345689	44	2.3	85	23.3	2363506	111	2.4	85	23.4	2408382	90	2.4	89
11/20/2019	24.0	2336216	44	2.3	85	24.0	2574331	36	2.6	85	24.0	2378038	35	2.4	89
11/21/2019	23.1	2307147	41	2.3	85	24.0	2508632	36	2.5	85	24.0	2436230	35	2.4	89
11/22/2019	24.0	2383684	44	2.4	85	5.3	2453884	22	2.5	85	23.6	2426329	91	2.4	89
11/23/2019	23.4	2328446	43	2.3	85	24.0	2181953	19	2.2	85	24.0	2414005	35	2.4	89
11/24/2019	23.6	2103685	48	2.1	85	24.0	2207432	19	2.2	85	23.4	2097954	106	2.1	89
11/25/2019	24.0	2144482	47	2.1	85	24.0	2171522	19	2.2	85	24.0	2141152	39	2.1	89
11/26/2019	23.0	2732863	122	2.7	77	24.0	2123857	19	2.1	85	24.0	2195672	37	2.2	89
11/27/2019	24.0	2570211	34	2.6	77	24.0	1957737	19	2.0	85	24.0	2194561	38	2.2	89
11/28/2019	23.7	2635570	69	2.6	77	24.0	1889044	19	1.9	85	23.5	2152480	95	2.2	89
11/29/2019	23.0	2601184	136	2.6	77	24.0	1894749	19	1.9	85	23.6	1925970	66	1.9	89
11/30/2019	24.0	2703952	59	2.7	81	24.0	1888327	19	1.9	85	24.0	1959792	42	2.0	89

**CITY OF JACKSON  
UV COMPLIANCE**

System ID 250008-02

Month of November 2019

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/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)
11/1/2019	24.0	2357337	41	2.4	95	24.0	2012078	72	2.0	93	24.0	2329856	51	2.3	85
11/2/2019	23.2	2332178	40	2.3	95	24.0	1967924	72	2.0	93	24.0	2384932	51	2.4	85
11/3/2019	25.0	2451457	39	2.5	95	24.0	1886162	72	1.9	93	24.6	2378436	48	2.4	85
11/4/2019	23.5	2326441	40	2.3	95	24.0	1998088	72	2.0	93	24.0	2356169	50	2.4	85
11/5/2019	24.0	2357063	40	2.4	95	24.0	1952364	72	2.0	93	24.0	2330699	49	2.3	85
11/6/2019	24.0	2351377	39	2.4	95	24.0	1946629	72	1.9	93	24.0	2324059	48	2.3	85
11/7/2019	22.2	2297653	35	2.3	95	24.0	1891964	72	1.9	93	22.2	2269972	44	2.3	85
11/8/2019	23.2	2348001	38	2.3	95	24.0	1924998	72	1.9	93	23.0	2276898	47	2.3	85
11/9/2019	24.0	2369022	39	2.4	95	24.0	1333884	72	1.3	93	24.0	2344277	48	2.3	85
11/10/2019	24.0	2639927	36	2.6	95	OFFLINE					24.0	2609532	44	2.6	85
11/11/2019	24.0	2576852	37	2.6	95						24.0	2547191	44	2.5	85
11/12/2019	22.5	2384994	37	2.4	95						22.5	2369273	45	2.4	85
11/13/2019	24.0	2773955	35	2.8	95						24.0	2742248	42	2.7	85
11/14/2019	24.0	2978375	32	3.0	95						24.0	2953352	38	3.0	85
11/15/2019	23.5	3159202	31	3.2	95						23.2	3086841	36	3.1	85
11/16/2019	24.0	3083588	32	3.1	95						24.0	3053917	38	3.1	85
11/17/2019	24.0	2977508	33	3.0	95						24.0	2948840	39	2.9	85
11/18/2019	24.0	2829591	34	2.8	95						23.1	2686756	39	2.7	85
11/19/2019	23.5	2654608	35	2.7	95						24.0	2689589	42	2.7	85
11/20/2019	24.0	2629594	36	2.6	95						24.0	2602250	44	2.6	85
11/21/2019	24.0	2682095	36	2.7	95						24.0	2653805	44	2.7	85
11/22/2019	24.0	2730848	36	2.7	95						23.5	2638605	43	2.6	85
11/23/2019	23.7	2623645	36	2.6	95						24.0	2635131	44	2.6	85
11/24/2019	24.0	2390082	39	2.4	95	24.0	1803127	72	1.8	93	23.6	2316146	48	2.3	85
11/25/2019	24.0	2377002	39	2.4	95	24.0	1785895	72	1.8	93	24.0	2350443	48	2.4	85
11/26/2019	23.1	2337224	36	2.3	95	24.0	1765164	72	1.8	93	24.0	2402582	46	2.4	85
11/27/2019	24.0	2421238	39	2.4	95	24.0	1743494	72	1.7	93	24.0	2401484	48	2.4	85
11/28/2019	24.0	2429650	39	2.4	95	24.0	2026364	72	2.0	93	23.6	2352339	48	2.4	85
11/29/2019	23.6	2152719	41	2.2	95	24.0	3002961	72	3.0	93	6.8	2127854	15	2.1	85
11/30/2019	24.0	2186455	42	2.2	95	24.0	2985835	72	3.0	93	21.2	2156977	46	2.2	85

**CITY OF JACKSON  
UV COMPLIANCE**

System ID 250008-01

Month of November 2019

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 (%)			
11/1/2019	10.3	10300000	OFFLINE						24.0	26	75	9.8	17	87			
11/2/2019	10.6	10600000							24.0	26	75	6.7	18	87			
11/3/2019	10.4	10400000							25.0	25	75	13.5	18	87			
11/4/2019	10.9	10900000							15.9	17	75	24.0	25	87			
11/5/2019	10.2	10200000							8.9	19	75	24.0	28	87			
11/6/2019	10.8	10800000							24.0	25	75	7.2	18	87			
11/7/2019	10.6	10600000							24.0	26	75	21.7	22	87			
11/8/2019	10.4	10400000							2.8	14	75	24.0	25	87			
11/9/2019	10.2	10200000							24.0	27	75	22.9	24	87			
11/10/2019	10.0	10000000							24.0	25	75	10.0	16	87			
11/11/2019	10.9	10900000							24.0	19	75	20.1	20	87			
11/12/2019	10.3	10300000							10.3	17	75	24.0	23	87			
11/13/2019	10.6	10600000							OFFLINE			24.0	21	87			
11/14/2019	10.5	10500000							3.6	14	75	24.0	25	87			
11/15/2019	10.4	10400000							14.0	15	75	24.0	22	87			
11/16/2019	10.8	10800000							OFFLINE			14.7	16	87			
11/17/2019	10.1	10100000							10.0	17	75	OFFLINE					
11/18/2019	10.1	10100000							17.7	15	85	OFFLINE					
11/19/2019	10.6	10600000							10.0	17	85	14.0	15	75	1.3	14	87
11/20/2019	10.5	10500000							OFFLINE			17.6	19	75	24.0	25	87
11/21/2019	10.7	10668453										9.6	16	75	24.0	27	87
11/22/2019	10.9	10900000										24.0	26	75	10.8	18	87
11/23/2019	10.8	10800000										24.0	24	75	24.0	28	87
11/24/2019	10.2	10200000										17.2	18	75	24.0	26	87
11/25/2019	10.1	10100000										24.0	25	75	7.2	17	87
11/26/2019	11.3	11300000										24.0	25	85	6.3	17	75
11/27/2019	10.7	10700000							24.0	28	85	OFFLINE			18.1	19	87
11/28/2019	10.5	10500000							4.5	15	85	9.9	15	75	24.0	25	87
11/29/2019	10.5	10500000							OFFLINE			OFFLINE			24.0	27	87
11/30/2019	10.5	10500000							OFFLINE			OFFLINE			24.0	26	87