

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

System ID **250008-02**
Month of **March 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. 97.2%

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	2.7	7	2.0	13	2.3	19	2.4	25	2.4
2	3.1	8	2.8	14	2.2	20	2.3	26	1.9
3	2.5	9	2.9	15	2.1	21	2.8	27	2.2
4	3.4	10	3.1	16	2.2	22	2.0	28	2.3
5	3.0	11	3.1	17	2.5	23	2.4	29	2.2
6	3.1	12	2.5	18	2.4	24	2.3	30	2.4
								31	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. 126

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
 March 2019

Mar 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	28.9	1.15	0.13
2	33.2	1.35	0.10
3	31.5	1.53	0.13
4	30.3	1.24	0.16
5	26.4	1.37	0.12
6	28.1	1.47	0.15
7	27.0	1.05	0.16
8	22.3	1.29	0.15
9	21.3	1.29	0.11
10	19.8	1.29	0.10
11	24.3	1.12	0.26
12	30.6	1.12	0.12
13	32.1	1.23	0.12
14	32.0	1.27	0.12
15	29.5	1.24	0.14
16	30.7	1.25	0.13
17	30.9	1.15	0.19
18	27.0	1.24	0.17
19	27.3	1.11	0.12
20	31.5	1.58	0.28
21	30.7	OFF	0.29
22	24.0	1.26	0.35
23	22.3	0.98	0.38
24	21.2	1.09	0.25
25	20.7	1.56	0.17
26	22.2	1.31	0.13
27	24.2	1.05	0.13
28	18.4	1.13	0.25
29	18.3	1.03	0.13
30	17.3	1.06	0.14
31	20.8	0.69	0.15
MIN	17.3	0.69	0.10
MAX	33.2	1.58	0.38
AVG	26.0	1.22	0.13

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

System ID
Month Of

250008-02
March 2019

Mar 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.10	0.13	0.10	0.09	0.09	0.09
2	0.09	0.08	0.09	0.08	0.08	0.10
3	0.09	0.09	0.09	0.09	0.10	0.13
4	0.12	0.11	0.11	0.12	0.11	0.16
5	0.12	0.10	0.09	0.12	0.10	0.12
6	0.12	0.11	0.14	0.11	0.12	0.15
7	0.16	0.13	0.12	0.12	0.12	0.15
8	0.14	0.14	0.12	0.11	0.09	0.15
9	0.11	0.08	0.10	0.09	0.08	0.09
10	0.08	0.09	0.09	0.09	0.10	0.08
11	0.09	0.09	0.08	0.26	0.23	0.09
12	0.12	0.12	0.12	0.10	0.09	0.09
13	0.12	0.12	0.12	0.10	0.11	0.11
14	0.12	0.12	0.12	0.12	0.11	0.12
15	0.14	0.12	0.12	0.14	0.13	0.12
16	0.13	0.11	0.11	0.12	0.12	0.11
17	0.19	0.12	0.15	0.11	0.11	0.12
18	0.14	0.14	0.17	0.14	0.10	0.10
19	0.12	0.09	0.11	0.12	0.12	0.12
20	0.14	0.21	0.28	0.27	0.20	0.20
21	0.28	0.29	0.21	OFF	OFF	OFF
22	0.35	0.35	0.23	0.18	0.15	0.14
23	0.22	0.25	OFF	0.38	0.35	0.25
24	0.25	0.19	0.15	0.13	0.13	0.14
25	0.17	0.16	0.14	0.12	0.12	0.13
26	0.13	0.09	0.12	0.13	0.12	0.11
27	0.13	0.11	0.12	0.12	0.10	0.12
28	0.13	0.11	0.25	0.25	0.11	0.11
29	0.13	0.11	0.08	0.07	0.07	0.08
30	0.10	0.10	0.12	0.11	0.12	0.14
31	0.15	0.13	0.13	0.14	0.15	0.13
MIN	0.08	0.08	0.08	0.07	0.07	0.08
MAX	0.35	0.35	0.28	0.38	0.35	0.25
AVG	0.14	0.14	0.13	0.14	0.12	0.13

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

System ID
 Month Of

250008-02
 March 2019

Mar 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.7	3.4	3.2	3.2	3.0	3.4
2	3.5	3.4	3.4	3.4	3.3	3.1
3	3.4	3.2	2.5	2.6	2.5	2.9
4	3.4	3.5	3.4	3.4	3.6	3.7
5	3.2	3.1	3.0	3.0	3.2	3.0
6	3.1	3.2	3.3	3.3	3.4	3.5
7	3.4	3.5	3.0	3.2	2.0	2.5
8	3.1	3.1	3.1	2.8	3.0	3.0
9	2.9	3.0	2.9	3.2	3.2	3.2
10	3.2	3.1	3.2	3.2	3.2	3.2
11	3.1	3.4	3.3	3.5	3.1	3.1
12	3.2	3.2	3.6	2.5	2.5	2.6
13	2.4	3.0	2.4	2.4	2.5	2.3
14	2.3	2.4	2.4	2.2	2.3	2.4
15	2.4	2.3	2.4	2.4	2.3	2.1
16	2.2	2.5	2.5	2.2	2.6	2.6
17	2.5	3.4	2.6	2.6	2.5	2.6
18	2.6	2.5	2.5	2.4	2.4	2.7
19	2.5	2.4	2.5	2.5	2.6	2.5
20	2.4	2.3	2.3	2.3	2.4	2.4
21	3.1	3.0	2.8	OFF	OFF	OFF
22	OFF	2.0	2.0	2.2	2.2	2.3
23	2.4	2.4	2.4	2.5	2.4	2.5
24	2.4	2.4	2.4	2.4	2.4	2.3
25	2.4	2.5	2.4	2.5	2.5	2.6
26	2.0	1.9	2.3	2.4	2.4	2.4
27	2.3	2.2	2.3	2.3	2.2	2.3
28	2.4	2.3	2.3	2.5	2.5	2.4
29	2.3	2.3	2.3	2.3	2.2	2.2
30	2.4	2.5	2.6	2.6	2.6	2.6
31	2.1	2.8	2.8	3.0	3.1	3.0
MIN	2.0	1.9	2.0	2.2	2.0	2.1
MAX	3.5	3.5	3.6	3.5	3.6	3.7
AVG	2.7	2.8	2.7	2.7	2.7	2.7

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

System ID **250008-02**
Month of **March 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. 100.0%

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	2.6	13	2.2	19	2.6	25	2.3
2	3.0	8	2.2	14	2.2	20	2.3	26	1.9
3	2.4	9	2.4	15	2.0	21	2.3	27	2.4
4	2.4	10	2.7	16	2.3	22	2.0	28	2.3
5	2.7	11	2.6	17	2.6	23	2.3	29	2.4
6	2.9	12	2.7	18	2.1	24	2.4	30	2.4
								31	2.2

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. 126

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
March 2019

Mar 2019	TURBIDITIES (NTU)	
	RAW	FINISHED
1	28.9	0.12
2	33.2	0.22
3	31.5	0.19
4	30.3	0.27
5	26.4	0.32
6	28.1	0.15
7	27.0	0.16
8	22.3	0.11
9	21.3	0.13
10	19.8	0.11
11	24.3	0.10
12	30.6	0.27
13	32.1	0.11
14	32.0	0.16
15	29.5	0.16
16	30.7	0.14
17	30.9	0.11
18	27.0	0.13
19	27.3	0.15
20	31.5	0.21
21	30.7	0.23
22	24.0	0.25
23	22.3	0.22
24	21.2	0.13
25	20.7	0.15
26	22.2	0.30
27	24.2	0.19
28	18.4	0.15
29	18.3	0.17
30	17.3	0.15
31	20.8	0.25
MIN	17.3	0.10
MAX	33.2	0.32
AVG	26.0	0.18

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

System ID
Month Of

250008-02
March 2019

Mar 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.12	0.11	0.10	0.10	0.10	0.11
2	0.11	0.11	0.22	0.14	0.12	0.11
3	0.11	0.12	0.13	0.19	0.14	0.15
4	0.16	0.20	0.27	0.14	0.12	0.10
5	0.32	0.15	0.13	0.13	0.12	0.12
6	0.11	0.12	0.14	0.13	0.14	0.15
7	0.15	0.16	0.15	0.15	0.14	0.13
8	0.11	0.11	0.10	0.10	0.10	0.10
9	0.12	0.13	0.12	0.11	0.12	0.12
10	0.11	0.11	0.11	0.11	0.11	0.10
11	0.10	0.10	0.10	0.10	0.09	0.08
12	0.27	0.10	0.26	0.09	0.09	0.09
13	0.09	0.09	0.07	0.09	0.09	0.11
14	0.12	0.13	0.14	0.12	0.16	0.14
15	0.13	0.16	0.16	0.15	0.14	0.15
16	0.14	0.14	0.11	0.10	0.11	0.11
17	0.10	0.10	0.10	0.10	0.11	0.11
18	0.11	0.11	0.11	0.11	0.12	0.13
19	0.14	0.13	0.13	0.13	0.14	0.15
20	0.21	0.18	0.17	0.17	0.13	0.13
21	0.12	0.12	0.12	0.17	0.23	0.13
22	0.25	0.18	0.16	0.16	0.13	0.16
23	0.17	0.18	0.22	0.22	0.17	0.14
24	0.13	0.12	0.10	0.09	0.10	0.10
25	0.09	0.11	0.09	0.12	0.13	0.15
26	0.30	0.15	0.15	0.15	0.15	0.15
27	0.14	0.19	0.17	0.13	0.12	0.13
28	0.14	0.14	0.14	0.15	0.13	0.12
29	0.13	0.15	0.17	0.16	0.12	0.11
30	0.12	0.12	0.13	0.15	0.13	0.13
31	0.13	0.15	0.25	0.17	0.11	0.11
MIN	0.09	0.09	0.07	0.09	0.09	0.08
MAX	0.32	0.20	0.27	0.22	0.23	0.16
AVG	0.15	0.13	0.15	0.13	0.13	0.12

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

System ID
Month Of

250008-02
March 2019

Mar 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.8	2.8	2.9	3.0	3.0	3.1
2	3.1	3.0	3.1	3.2	3.0	3.1
3	2.4	2.6	2.6	2.7	2.8	3.0
4	3.1	3.1	3.3	2.4	2.6	2.7
5	2.7	2.7	3.3	3.2	2.9	3.2
6	3.2	3.1	2.9	3.0	3.1	2.9
7	2.9	2.8	2.8	2.8	2.7	2.6
8	2.6	2.8	2.7	2.6	2.2	2.5
9	2.4	2.5	2.7	2.8	2.8	2.7
10	2.7	2.7	2.7	3.1	3.0	2.9
11	3.0	3.1	2.9	2.6	2.6	2.7
12	2.7	2.7	3.2	2.8	2.8	2.8
13	2.6	2.2	2.5	2.7	2.4	2.2
14	2.2	2.2	2.2	2.2	2.3	2.2
15	2.1	2.0	2.1	2.3	2.1	2.1
16	2.4	2.3	2.3	2.5	2.4	2.4
17	2.6	2.6	3.0	2.7	2.6	2.6
18	2.3	2.3	2.1	2.1	2.5	2.8
19	2.7	2.7	2.9	2.6	2.6	2.6
20	2.6	2.3	2.4	2.6	2.4	2.3
21	2.3	2.8	2.3	2.3	2.6	2.4
22	2.3	2.0	2.4	2.9	2.6	2.5
23	2.5	2.5	2.5	2.4	2.4	2.3
24	2.4	2.5	2.7	2.4	2.4	2.7
25	2.3	2.4	2.5	2.6	2.6	2.3
26	1.9	2.1	2.5	2.5	2.3	2.3
27	2.6	2.5	2.6	2.4	2.4	2.5
28	2.6	2.3	2.4	2.7	2.5	2.5
29	2.5	2.6	2.8	2.5	2.4	2.5
30	2.6	2.4	2.5	2.8	2.8	2.5
31	2.7	2.5	2.6	2.2	2.2	2.5
MIN	1.9	2.0	2.1	2.1	2.1	2.1
MAX	3.2	3.1	3.3	3.2	3.1	3.2
AVG	2.6	2.5	2.6	2.6	2.6	2.6

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

System ID **250008-01**
Month of **March 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. 100.0%

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	2.1	13	2.6	19	2.7	25	2.8
2	2.7	8	2.8	14	2.6	20	2.6	26	3.0
3	2.6	9	2.8	15	2.5	21	2.1	27	2.9
4	2.6	10	2.8	16	2.6	22	1.7	28	2.9
5	2.4	11	2.8	17	2.8	23	2.6	29	2.9
6	2.2	12	2.7	18	2.8	24	2.6	30	2.9
								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. 126

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
March 2019

Mar 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	31.1	0.56	0.05	0.12
2	63.5	0.30	0.09	0.16
3	38.7	0.57	0.06	0.15
4	32.5	1.20	0.05	0.13
5	30.9	0.44	0.18	0.13
6	28.1	0.90	0.11	0.13
7	24.1	0.37	0.14	0.13
8	28.1	0.58	0.16	0.12
9	22.3	0.76	0.17	0.16
10	23.1	0.46	0.18	0.27
11	90.0	0.83	0.14	0.24
12	30.0	0.40	0.15	0.14
13	16.4	0.65	0.17	0.13
14	90.0	0.49	0.16	0.13
15	19.7	0.48	0.16	0.12
16	19.7	0.50	0.14	0.13
17	19.2	0.72	0.18	0.14
18	17.9	0.62	0.18	0.13
19	13.0	0.34	0.15	0.12
20	11.4	0.40	0.15	0.14
21	12.8	0.35	0.15	0.27
22	12.8	0.64	0.16	0.17
23	11.3	0.50	0.16	0.11
24	11.0	0.49	0.16	0.11
25	30.1	0.63	0.15	0.12
26	21.7	0.39	0.17	0.29
27	15.5	0.47	0.16	0.15
28	27.2	0.36	0.17	0.16
29	12.3	0.26	0.18	0.12
30	11.3	0.41	0.21	0.10
31	12.6	0.54	0.20	0.12
MIN	11.0	0.26	0.05	0.10
MAX	90.0	1.20	0.21	0.29
AVG	26.7	0.54	0.15	0.13

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

System ID
MONTH

250008-01
March 2019

Mar 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.12	0.11	0.10	0.10	0.10	0.10
2	0.10	0.13	0.16	0.15	0.13	0.11
3	0.11	0.10	0.12	0.15	0.14	0.13
4	0.12	0.12	0.12	0.12	0.13	0.12
5	0.12	0.12	0.12	0.12	0.12	0.13
6	0.13	0.13	0.13	0.12	0.12	0.12
7	0.11	0.11	0.12	0.13	0.12	0.12
8	0.12	0.12	0.12	0.11	0.11	0.11
9	0.10	0.10	0.10	0.14	0.16	0.15
10	0.14	0.23	0.27	0.23	0.15	0.12
11	0.10	0.10	0.12	0.24	0.21	0.16
12	0.14	0.13	0.12	0.12	0.12	0.12
13	0.12	0.12	0.13	0.13	0.12	0.12
14	0.12	0.13	0.12	0.12	0.12	0.12
15	0.11	0.10	0.12	0.12	0.12	0.12
16	0.12	0.13	0.11	0.11	0.11	0.11
17	0.11	0.11	0.13	0.14	0.14	0.14
18	0.13	0.12	0.11	0.12	0.11	0.10
19	0.10	0.10	0.10	0.11	0.11	0.12
20	0.12	0.11	0.13	0.14	0.13	0.11
21	0.10	0.12	0.11	0.19	0.27	0.27
22	0.17	0.15	0.15	0.14	0.13	0.12
23	0.11	0.11	0.10	0.10	0.10	0.10
24	0.09	0.09	0.10	0.11	0.11	0.11
25	0.10	0.10	0.11	0.12	0.12	0.12
26	0.11	0.12	0.21	0.29	0.25	0.17
27	0.15	0.14	0.14	0.15	0.15	0.14
28	0.12	0.12	0.12	0.12	0.16	0.11
29	0.11	0.11	0.11	0.12	0.12	0.11
30	0.10	0.10	0.10	0.09	0.09	0.10
31	0.10	0.10	0.10	0.11	0.11	0.12
MIN	0.09	0.09	0.10	0.09	0.09	0.10
MAX	0.17	0.23	0.27	0.29	0.27	0.27
AVG	0.12	0.12	0.13	0.14	0.13	0.13

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

System ID
MONTH

250008-01
March 2019

Mar 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.6	2.8	2.9	2.8	2.8	2.9
2	2.9	2.8	2.8	2.7	2.7	2.8
3	2.7	3.3	2.8	2.6	2.6	2.7
4	2.7	2.8	2.7	2.6	2.7	2.8
5	2.8	2.9	2.8	3.8	2.5	2.4
6	2.3	2.7	2.7	2.3	2.3	2.2
7	2.1	2.2	2.3	2.6	3.0	3.2
8	3.0	3.0	3.0	3.0	2.9	2.8
9	3.1	2.8	3.1	2.8	2.8	3.0
10	2.8	3.0	3.0	2.8	3.0	3.7
11	2.8	3.1	3.0	2.9	2.8	2.9
12	3.1	3.0	2.9	2.8	2.8	2.7
13	2.7	2.8	2.7	2.6	2.6	2.6
14	2.6	2.7	2.7	2.7	3.2	2.6
15	2.5	2.6	2.6	2.6	2.6	2.7
16	3.1	2.7	2.8	2.7	2.6	2.6
17	2.8	2.8	2.9	2.8	2.9	2.9
18	2.9	2.9	2.9	2.8	2.8	2.8
19	2.8	2.8	2.8	2.7	2.8	3.2
20	2.7	2.8	2.7	2.6	3.1	3.0
21	2.5	2.2	2.3	2.1	2.1	2.1
22	2.1	2.1	1.7	2.3	2.7	2.9
23	3.0	3.0	3.1	3.0	3.2	2.6
24	2.6	2.6	2.7	2.6	2.9	3.1
25	3.1	3.1	2.9	2.8	2.9	2.9
26	3.0	3.0	3.0	3.0	3.7	3.1
27	3.1	3.1	3.0	3.2	2.9	3.0
28	3.0	3.0	2.9	3.0	3.0	3.0
29	3.0	3.0	3.3	2.9	3.0	3.2
30	3.0	3.0	3.0	3.0	3.0	2.9
31	3.0	3.0	3.6	2.7	2.9	2.9
MIN	2.1	2.1	1.7	2.1	2.1	2.1
MAX	3.6	3.3	3.6	3.8	3.7	3.7
AVG	2.8	2.8	2.8	2.8	2.8	2.8

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID 250008
Month of March 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	50				
5	46				
6	30				
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
Total	126	0	0	0	0

V = (c+d+e)/(a+b)*100

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

Mar-19	SYSTEM ID: 250008-02		SYSTEM ID: 250008-01	
	O.B. CURTIS		J. H. FEWELL	
	ClO ₂	ClO ⁻	ClO ₂	ClO ⁻
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 ₂	ClO ⁻
	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 ₃		
	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
RUNNING ANNUAL AVERAGE	OBC HS1						1.45
	OBC HS2						1.35
	JHF HS1						1.40
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.40

**CITY OF JACKSON
CORROSION CONTROL DATA**

March 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	28	23	9.8	63	20
	1500 - 2300	9.5	22	12	9.6	65	22
	2300 - 0700	9.2	24	19	9.5	69	20
2	0700 - 1500	9.2	23	21	9.6	66	21
	1500 - 2300	9.0	20	19	9.5	78	17
	2300 - 0700	9.0	28	22	9.4	72	13
3	0700 - 1500	9.0	20	14	9.7	66	29
	1500 - 2300	9.5	24	18	9.6	72	28
	2300 - 0700	9.1	34	26	9.5	66	23
4	0700 - 1500	9.5	26	14	9.6	59	29
	1500 - 2300	9.7	23	21	9.6	65	22
	2300 - 0700	9.6	23	22	9.7	65	14
5	0700 - 1500	9.5	23	13	9.5	64	26
	1500 - 2300	9.8	22	15	9.4	88	8
	2300 - 0700	9.5	21	20	9.3	66	13
6	0700 - 1500	9.2	23	17	9.3	61	21
	1500 - 2300	9.6	23	20	9.1	65	19
	2300 - 0700	9.7	26	21	9.3	63	12
7	0700 - 1500	10.0	22	18	9.5	57	18
	1500 - 2300	9.7	38	15	9.3	68	24
	2300 - 0700	9.2	27	19	9.6	64	13
8	0700 - 1500	9.9	23	20	9.5	62	23
	1500 - 2300	9.7	20	19	9.4	55	23
	2300 - 0700	9.1	21	17	9.5	67	24
9	0700 - 1500	9.9	25	24	9.2	70	20
	1500 - 2300	9.8	20	19	9.0	63	14
	2300 - 0700	9.5	26	21	9.3	63	15
10	0700 - 1500	9.9	21	16	9.5	64	23
	1500 - 2300	9.8	25	22	9.2	57	21
	2300 - 0700	9.2	26	21	9.6	65	15
11	0700 - 1500	9.8	27	22	9.4	56	25
	1500 - 2300	9.7	24	20	9.2	62	31
	2300 - 0700	9.2	23	21	9.5	71	14

**CITY OF JACKSON
CORROSION CONTROL DATA**

March 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	9.7	24	19	9.1	68	26
	1500 - 2300	9.6	22	20	9.5	75	32
	2300 - 0700	9.5	23	21	9.3	67	16
13	0700 - 1500	9.4	22	17	9.5	62	24
	1500 - 2300	9.8	24	24	9.7	62	21
	2300 - 0700	9.4	29	21	9.5	66	13
14	0700 - 1500	9.4	27	22	9.5	66	24
	1500 - 2300	9.9	22	20	9.3	73	25
	2300 - 0700	9.5	24	20	9.4	64	12
15	0700 - 1500	9.7	30	15	9.2	75	39
	1500 - 2300	9.8	24	21	9.2	58	27
	2300 - 0700	9.6	26	19	9.5	62	13
16	0700 - 1500	9.5	22	17	9.4	82	13
	1500 - 2300	9.5	27	23	9.9	85	21
	2300 - 0700	9.6	25	20	9.5	70	15
17	0700 - 1500	9.8	26	25	9.4	83	25
	1500 - 2300	9.6	27	20	9.3	63	24
	2300 - 0700	9.5	28	22	9.0	65	24
18	0700 - 1500	9.2	20	14	9.3	65	29
	1500 - 2300	9.5	26	24	9.4	61	25
	2300 - 0700	9.0	25	25	9.4	65	13
19	0700 - 1500	9.4	22	21	9.1	65	29
	1500 - 2300	9.9	30	26	9.5	72	27
	2300 - 0700	9.1	20	19	9.8	67	16
20	0700 - 1500	9.9	20	17	9.6	66	27
	1500 - 2300	9.7	30	24	9.6	68	9
	2300 - 0700	9.4	31	24	9.7	68	17
21	0700 - 1500	9.7	24	22	9.8	67	32
	1500 - 2300	9.6	29	16	9.6	64	28
	2300 - 0700	9.2	23	13	9.6	59	17
22	0700 - 1500	9.3	25	20	9.2	48	26
	1500 - 2300	9.4	21	18	9.3	58	26
	2300 - 0700	9.9	27	27	9.4	75	17

**CITY OF JACKSON
CORROSION CONTROL DATA**

March 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	10.2	28	17	9.3	88	20
	1500 - 2300	9.9	26	22	9.2	69	15
	2300 - 0700	9.9	26	22	9.6	80	14
24	0700 - 1500	9.3	22	18	9.7	71	27
	1500 - 2300	9.4	27	23	9.5	69	25
	2300 - 0700	9.2	28	17	9.5	69	15
25	0700 - 1500	9.2	23	21	9.3	58	25
	1500 - 2300	9.7	26	24	9.6	66	28
	2300 - 0700	9.4	21	20	9.4	71	17
26	0700 - 1500	9.2	22	20	9.5	67	32
	1500 - 2300	9.7	27	25	9.4	79	39
	2300 - 0700	9.9	29	27	9.2	73	19
27	0700 - 1500	9.8	22	20	9.6	82	37
	1500 - 2300	9.7	23	21	9.6	87	34
	2300 - 0700	9.6	22	23	9.9	72	19
28	0700 - 1500	9.7	26	24	9.8	63	27
	1500 - 2300	9.6	31	19	9.4	66	28
	2300 - 0700	9.8	30	18	9.5	69	15
29	0700 - 1500	9.9	26	24	9.9	70	34
	1500 - 2300	9.3	24	20	9.5	69	28
	2300 - 0700	9.5	27	20	9.7	73	16
30	0700 - 1500	9.5	23	21	9.8	72	33
	1500 - 2300	9.9	29	28	9.2	69	14
	2300 - 0700	10.0	27	26	9.5	73	17
31	0700 - 1500	9.9	22	20	9.2	70	28
	1500 - 2300	9.5	28	24	9.7	70	31
	2300 - 0700	9.6	26	23	9.5	78	21
MONTHLY MIN		9.0	20	12	9.0	48	8
MONTHLY MAX		10.2	38	28	9.9	88	39
MONTHLY AVG		9.5	25	20	9.5	68	22

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02 Month of March 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 (%)
3/1/2019	23.8	2833170	60	2.8	85	24.0	1979989	38	2.0	85	23.8	2624490	62	2.6	89
3/2/2019	23.8	2841639	59	2.8	85	24.0	1961937	37	2.0	85	24.0	2656986	38	2.7	90
3/3/2019	20.7	2631579	78	2.6	85	22.7	1914549	160	1.9	85	20.1	2375919	35	2.4	88
3/4/2019	22.7	2560307	36	2.6	85	24.0	2168900	35	2.2	85	24.0	2540483	40	2.5	90
3/5/2019	24.0	2711812	37	2.7	85	24.0	2172505	34	2.2	85	24.0	2506500	39	2.5	90
3/6/2019	24.0	2684776	37	2.7	85	24.0	2151223	34	2.2	85	24.0	2481079	39	2.5	90
3/7/2019	23.0	2556471	36	2.6	85	23.5	2028933	80	2.0	85	23.7	2431101	49	2.4	85
3/8/2019	23.0	2461462	38	2.5	85	23.1	2091802	90	2.1	85	22.8	2259456	85	2.3	88
3/9/2019	24.0	2380978	39	2.4	85	24.0	2365064	31	2.4	85	24.0	2187309	41	2.2	89
3/10/2019	23.0	2553993	38	2.6	85	23.0	2130451	34	2.1	85	23.0	2357079	39	2.4	89
3/11/2019	22.7	2601364	47	2.6	85	23.2	1997154	114	2.0	85	24.0	2440229	39	2.4	90
3/12/2019	24.0	2703117	37	2.7	85	24.0	2096920	35	2.1	85	23.5	2434473	50	2.4	88
3/13/2019	23.0	2299876	96	2.3	85	24.0	2085111	35	2.1	85	24.0	2201574	43	2.2	89
3/14/2019	24.0	2578135	41	2.6	85	23.4	2040966	81	2.0	85	23.6	2399602	41	2.4	87
3/15/2019	23.6	2662680	38	2.7	85	20.5	1988229	111	2.0	85	22.6	2356756	85	2.4	88
3/16/2019	24.0	2755311	37	2.8	85	11.2	2116681	16	2.1	85	24.0	2558705	39	2.6	90
3/17/2019	24.0	2734902	37	2.7	85	24.0	2092716	35	2.1	85	24.0	2536450	39	2.5	90
3/18/2019	23.5	2722911	83	2.7	85	24.0	2042967	37	2.0	85	24.0	2578425	40	2.6	90
3/19/2019	21.4	2613775	77	2.6	85	21.4	1795004	362	1.8	85	20.2	2230174	44	2.2	88
3/20/2019	13.5	2160468	349	2.2	85	19.2	1519428	653	1.5	85	19.2	2225225	73	2.2	75
3/21/2019	8.1	1115600	1966	1.1	85	7.8	783481	2114	0.8	85	8.5	1052292	397	1.1	73
3/22/2019	19.0	2701919	27	2.7	85	22.6	2040845	144	2.0	85	23.7	2513248	31	2.5	84
3/23/2019	22.8	2567044	135	2.6	85	22.0	1991684	166	2.0	85	19.2	2258757	26	2.3	83
3/24/2019	23.5	2441742	82	2.4	85	22.8	2114890	122	2.1	85	23.7	2290299	34	2.3	86
3/25/2019	24.0	2498658	37	2.5	85	24.0	2261474	31	2.3	85	24.0	2302709	35	2.3	88
3/26/2019	23.2	2539023	93	2.5	85	24.0	2227188	32	2.2	85	23.6	2379350	34	2.4	88
3/27/2019	23.5	2622750	93	2.6	85	23.5	1980977	91	2.0	85	23.5	2424773	35	2.4	87
3/28/2019	24.0	2739961	36	2.7	85	24.0	1937027	36	1.9	85	23.2	2443480	46	2.4	87
3/29/2019	23.5	2404866	73	2.4	85	23.7	1984438	58	2.0	85	23.6	2233450	50	2.2	89
3/30/2019	24.0	2465106	38	2.5	85	24.0	1991338	35	2.0	85	24.0	2274631	38	2.3	88
3/31/2019	23.7	2598330	70	2.6	85	23.7	1888187	81	1.9	85	23.7	2403090	47	2.4	86

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02 Month of March 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 UV T (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UV T (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UV T (%)
3/1/2019						23.8	2156350	134	2.2	100	23.8	2852700	43	2.9	80
3/2/2019						24.0	2168368	98	2.2	100	24.0	2888952	44	2.9	80
3/3/2019						23.6	2051679	133	2.1	100	22.6	2450514	48	2.5	83
3/4/2019						24.0	1947687	107	1.9	100	24.0	2761514	48	2.8	83
3/5/2019						24.0	1961838	105	2.0	100	24.0	2720713	46	2.7	83
3/6/2019						24.0	1960390	105	2.0	100	24.0	2699991	47	2.7	82
3/7/2019						24.0	1883711	107	1.9	100	24.0	2669144	46	2.7	81
3/8/2019						23.1	1902192	134	1.9	100	22.5	2436743	46	2.4	85
3/9/2019						24.0	2461863	86	2.5	100	24.0	2397866	49	2.4	85
3/10/2019						23.0	2391237	88	2.4	100	23.0	2571291	47	2.6	85
3/11/2019						24.0	2339276	90	2.3	100	24.0	2660453	46	2.7	85
3/12/2019						24.0	2209078	95	2.2	100	23.6	2639688	46	2.6	85
3/13/2019						23.2	2166037	94	2.2	100	24.0	2410385	50	2.4	85
3/14/2019						24.0	2396497	87	2.4	100	22.8	2501598	46	2.5	85
3/15/2019						23.5	2351670	88	2.4	100	24.0	2747022	36	2.7	85
3/16/2019					Filter is offline due to a flow controller issue.	24.0	2357803	87	2.4	100	24.0	2515187	44	2.5	85
3/17/2019						24.0	2319827	89	2.3	100	24.0	2759022	52	2.8	85
3/18/2019						24.0	2235061	94	2.2	100	24.0	2804916	53	2.8	85
3/19/2019						18.0	1704350	22	1.7	100	24.0	2627835	53	2.6	85
3/20/2019						16.0	1433091	134	1.4	91	24.0	2360537	43	2.4	85
3/21/2019						0.0	0	0	0.0	0	24.0	886998	24	0.9	85
3/22/2019						18.5	1752113	209	1.8	98	22.7	2727735	40	2.7	85
3/23/2019						17.6	2194459	107	2.2	84	22.6	2560572	39	2.6	85
3/24/2019						24.0	2159819	77	2.2	100	23.7	2499108	44	2.5	85
3/25/2019						24.0	2187139	240	2.2	100	24.0	2509827	45	2.5	85
3/26/2019						24.0	2148917	246	2.1	100	23.1	2511512	43	2.5	85
3/27/2019						20.7	1976045	282	2.0	100	24.0	2696348	45	2.7	85
3/28/2019						22.3	2039074	181	2.0	100	23.1	2611618	45	2.6	85
3/29/2019						24.0	2294542	46	2.3	96	23.7	2453310	49	2.5	85
3/30/2019						24.0	2379613	40	2.4	97	24.0	2486746	48	2.5	85
3/31/2019						24.0	2222828	35	2.2	94	23.7	2601581	46	2.6	85

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-01

Month of March 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 ²)	Min UVT (%)	Run Time (Hrs)	Calc Min Dose (mJ/cm ²)	Min UVT (%)	Run Time (Hrs)	Calc Min Dose (mJ/cm ²)	Min UVT (%)	Run Time (Hrs)	Calc Min Dose (mJ/cm ²)	Min UVT (%)
3/1/2019	12.1	12095590	24.0	22	85	Offline during March 2019	Offline during March 2019	Offline during March 2019	Offline during March 2019	Offline during March 2019	0.0	0	0	
3/2/2019	12.1	12088559	24.0	21	85						0.0	0	0	
3/3/2019	12.2	12180295	24.0	19	85						0.0	0	0	
3/4/2019	12.0	12028264	24.0	19	85						0.0	0	0	
3/5/2019	12.2	12152031	24.0	19	85						0.0	0	0	
3/6/2019	11.7	11681389	15.6	17	85						8.3	21	87	
3/7/2019	11.1	11140174	6.8	21	85						17.1	17	87	
3/8/2019	11.8	11753785	24.0	18	85						0.0	0	0	
3/9/2019	11.7	11742483	24.0	16	85						0.0	0	0	
3/10/2019	11.8	11834493	24.0	22	85						0.0	0	0	
3/11/2019	10.7	10746981	0.0	0	0						23.7	23	87	
3/12/2019	10.8	10754292	0.0	0	0						24.0	22	87	
3/13/2019	10.7	10728172	0.0	0	0						24.0	22	87	
3/14/2019	10.7	10745017	0.0	0	0						24.0	22	87	
3/15/2019	10.9	10937049	0.0	0	0						24.0	22	87	
3/16/2019	10.8	10818368	0.0	0	0						24.0	22	87	
3/17/2019	10.9	10926823	0.0	0	0						24.0	21	87	
3/18/2019	11.0	10977292	0.0	0	0						24.0	22	87	
3/19/2019	10.9	10941354	0.0	0	0						24.0	22	87	
3/20/2019	11.1	11090052	0.0	0	0						24.0	20	87	
3/21/2019	10.9	10918646	20.2	22	85						24.0	21	87	
3/22/2019	11.2	11216840	24.0	26	85						9.6	21	87	
3/23/2019	11.4	11363629	16.2	21	85						7.7	22	87	
3/24/2019	10.8	10770642	0.0	0	0						24.0	21	87	
3/25/2019	10.8	10752622	0.0	0	0						24.0	22	87	
3/26/2019	10.7	10716944	0.0	0	0						24.0	20	87	
3/27/2019	10.7	10730764	0.0	0	0						24.0	20	87	
3/28/2019	10.7	10748958	0.0	0	0						24.0	21	87	
3/29/2019	10.8	10757830	0.0	0	0						24.0	21	87	
3/30/2019	10.8	10753090	0.0	0	0						24.0	21	87	
3/31/2019	10.9	10905278	0.0	0	0						24.0	18	87	