

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

System ID **250008-02**
Month of **December 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	2.7	7	3.7	13	2.7	19	2.0	25	2.4
2	3.3	8	3.3	14	2.6	20	2.4	26	1.4
3	2.8	9	3.0	15	2.8	21	2.6	27	2.1
4	3.1	10	1.9	16	2.8	22	2.5	28	2.4
5	3.2	11	3.1	17	2.0	23	3.0	29	2.7
6	3.2	12	2.6	18	2.3	24	3.0	30	2.8
								31	2.3

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
December 2019

Dec 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FINISHED
1	20.8	1.82	0.09
2	19.1	1.58	0.13
3	18.6	1.58	0.21
4	18.7	1.61	0.15
5	18.0	1.36	0.13
6	18.3	1.39	0.13
7	15.4	1.24	0.11
8	14.8	1.16	0.15
9	15.2	1.07	0.11
10	15.4	1.20	0.17
11	14.2	1.29	0.13
12	11.4	1.28	0.12
13	12.2	0.93	0.07
14	12.4	0.98	0.07
15	11.8	0.99	0.07
16	12.1	1.38	0.12
17	13.2	1.29	0.09
18	13.4	1.14	0.07
19	14.4	1.11	0.07
20	14.3	1.06	0.08
21	13.3	1.06	0.15
22	13.8	1.23	0.20
23	16.6	1.04	0.12
24	18.1	1.19	0.08
25	16.3	1.33	0.16
26	16.9	1.13	0.09
27	16.2	1.13	0.09
28	27.8	1.76	0.09
29	26.1	1.69	0.08
30	31.5	1.85	0.18
31	30.1	1.66	0.09
MIN	11.4	0.93	0.07
MAX	31.5	1.85	0.21
AVG	17.1	1.31	0.09

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

System ID
 Month Of

250008-02
 December 2019

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

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

System ID
 Month Of

250008-02
 December 2019

Dec 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.1	2.8	3.1	2.7	3.3	3.3
2	3.4	3.4	3.5	3.5	3.5	3.3
3	2.8	3.3	3.2	3.2	3.5	3.6
4	3.1	3.2	3.7	3.5	3.4	3.8
5	3.7	3.5	4.2	3.9	3.9	3.2
6	3.3	3.2	3.2	3.2	3.2	3.6
7	4.0	4.2	4.3	4.2	3.8	3.7
8	3.6	3.7	3.3	3.5	3.5	3.4
9	3.5	3.0	3.1	3.2	3.4	3.5
10	3.4	1.9	2.0	2.5	2.7	3.0
11	3.4	3.1	3.5	3.2	3.1	3.6
12	3.0	3.0	3.0	2.6	3.0	3.1
13	3.2	3.1	3.0	2.9	2.7	3.2
14	3.2	3.1	2.8	3.3	2.7	2.6
15	2.8	2.9	4.5	4.9	3.1	2.8
16	2.8	2.8	2.8	3.1	3.0	3.1
17	3.1	2.0	2.2	2.2	2.6	2.7
18	3.3	2.6	2.6	2.9	2.3	3.1
19	3.1	3.1	2.9	2.0	2.8	3.2
20	3.6	2.5	2.4	3.0	2.8	3.2
21	2.6	3.5	3.4	3.8	3.8	3.1
22	2.6	2.5	2.5	2.6	2.7	3.0
23	3.2	3.1	3.4	3.0	3.0	3.0
24	3.1	3.1	3.0	3.1	3.2	3.4
25	2.4	3.0	3.4	3.3	3.2	2.6
26	3.1	3.0	3.0	2.2	2.7	1.4
27	2.5	2.1	3.4	3.9	2.1	3.6
28	3.0	2.4	3.2	2.7	2.7	3.4
29	2.7	3.3	3.1	4.0	3.7	3.5
30	2.8	2.8	2.8	3.3	3.4	3.4
31	3.1	3.2	3.3	2.3	3.2	3.1
MIN	2.4	1.9	2.0	2.0	2.1	1.4
MAX	4.0	4.2	4.5	4.9	3.9	3.8
AVG	3.1	3.0	3.1	3.1	3.1	3.2

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

System ID **250008-02**
Month of **December 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. 99.9%

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	2.3	7	2.7	13	2.9	19	2.2	25	3.6
2	2.3	8	3.0	14	2.8	20	2.1	26	3.2
3	2.4	9	2.6	15	2.7	21	1.7	27	2.2
4	2.5	10	1.8	16	3.1	22	2.8	28	2.2
5	2.5	11	2.4	17	3.0	23	3.0	29	2.7
6	2.5	12	2.8	18	2.9	24	3.1	30	2.1
								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. 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
 December 2019

Dec 2019	TURBIDITIES (NTU)	
	RAW	FINISHED
1	20.8	0.03
2	19.1	0.02
3	18.6	0.04
4	18.7	0.22
5	18.0	0.02
6	18.3	0.05
7	15.4	0.02
8	14.8	0.05
9	15.2	0.14
10	15.4	0.04
11	14.2	0.06
12	11.4	0.02
13	12.2	0.02
14	12.4	0.02
15	11.8	0.14
16	12.1	0.14
17	13.2	0.03
18	13.4	0.01
19	14.4	0.01
20	14.3	0.01
21	13.3	0.02
22	13.8	0.04
23	16.6	0.04
24	18.1	0.01
25	16.3	0.01
26	16.9	0.01
27	16.2	0.02
28	27.8	0.02
29	26.1	0.02
30	31.5	0.02
31	30.1	0.02
MIN	11.4	0.01
MAX	31.5	0.22
AVG	17.1	0.04

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

System ID
Month Of

250008-02
December 2019

Dec 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.02	0.03	0.02	0.02	0.02	0.02
2	0.02	0.02	0.02	0.02	0.02	0.02
3	0.02	0.04	0.03	0.03	0.03	0.03
4	0.02	0.22	0.12	0.03	0.02	0.02
5	0.02	0.02	0.02	0.02	0.02	0.02
6	0.02	0.04	0.04	0.05	0.03	0.02
7	0.02	0.02	0.02	0.02	0.02	0.02
8	0.02	0.02	0.05	0.03	0.05	0.04
9	0.02	0.02	0.14	0.03	0.02	0.02
10	0.04	0.02	0.02	0.02	0.02	0.02
11	0.02	0.06	0.02	0.02	0.02	0.02
12	0.02	0.02	0.01	0.01	0.02	0.02
13	0.02	0.02	0.02	0.02	0.02	0.02
14	0.02	0.02	0.02	0.02	0.02	0.02
15	0.02	0.02	0.02	0.02	0.02	0.14
16	0.14	0.08	0.06	0.05	0.05	0.03
17	0.02	0.02	0.03	0.02	0.02	0.01
18	0.01	0.01	0.01	0.01	0.01	0.01
19	0.01	0.01	0.01	0.01	0.01	0.01
20	0.01	0.01	0.01	0.01	0.01	0.01
21	0.01	0.02	0.01	0.01	0.01	0.01
22	0.01	0.01	0.01	0.04	0.01	0.02
23	0.01	0.02	0.04	0.01	0.01	0.01
24	0.01	0.01	0.01	0.01	0.01	0.01
25	0.01	0.01	0.01	0.01	0.01	0.01
26	0.01	0.01	0.01	0.01	0.01	0.01
27	0.02	0.01	0.01	0.01	0.01	0.02
28	0.02	0.02	0.02	0.01	0.01	0.02
29	0.02	0.02	0.02	0.02	0.02	0.02
30	0.02	0.02	0.02	0.02	0.02	0.02
31	0.02	0.01	0.01	0.02	0.02	0.02
MIN	0.01	0.01	0.01	0.01	0.01	0.01
MAX	0.14	0.22	0.14	0.05	0.05	0.14
AVG	0.02	0.03	0.03	0.02	0.02	0.02

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

System ID
 Month Of

250008-02
 December 2019

Dec 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.5	2.4	2.5	2.3	2.3	2.3
2	2.3	2.4	2.4	2.4	2.3	2.3
3	2.4	2.6	2.6	2.6	2.6	2.7
4	2.5	2.6	2.7	2.9	2.6	2.6
5	2.6	2.6	2.5	2.5	2.6	2.6
6	2.5	2.6	2.6	2.7	2.7	2.9
7	2.7	3.0	3.0	3.0	3.3	3.3
8	3.3	3.5	3.1	3.1	3.9	3.0
9	2.9	3.1	3.5	2.6	2.7	2.6
10	2.6	3.1	1.8	2.2	2.4	2.5
11	2.4	2.5	2.7	2.6	2.7	2.8
12	3.1	3.2	3.8	2.9	2.8	2.8
13	2.9	3.1	2.9	3.3	2.9	3.0
14	3.0	3.1	3.7	3.6	3.0	2.8
15	2.7	2.9	2.7	3.8	3.6	4.0
16	3.7	3.5	3.6	3.4	3.2	3.1
17	3.0	3.0	3.2	3.5	3.5	3.4
18	3.4	3.3	3.0	2.9	3.0	3.1
19	3.1	3.0	3.3	3.4	2.9	2.2
20	2.1	2.2	2.9	2.9	3.0	3.1
21	3.0	2.8	1.7	3.0	3.2	3.4
22	3.4	3.2	3.7	2.8	3.0	3.1
23	3.2	3.5	4.0	4.2	3.9	3.0
24	3.1	3.5	3.9	3.4	3.2	3.4
25	3.6	3.6	3.8	4.2	4.0	3.8
26	3.7	3.7	4.1	3.6	3.3	3.2
27	3.2	3.0	3.1	2.9	2.2	3.2
28	3.0	2.2	2.7	2.7	2.7	2.7
29	2.7	2.9	3.1	3.4	2.8	2.7
30	2.7	2.8	2.8	2.6	2.6	2.1
31	2.2	2.6	2.6	3.4	2.4	2.3
MIN	2.1	2.2	1.7	2.2	2.2	2.1
MAX	3.7	3.7	4.1	4.2	4.0	4.0
AVG	2.9	2.9	3.0	3.1	2.9	2.9

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

System ID **250008-01**
Month of **December 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	2.2	7	3.1	13	3.2	19	3.3	25	2.4
2	3.5	8	3.5	14	3.1	20	3.3	26	2.2
3	3.5	9	3.1	15	3.1	21	2.1	27	2.0
4	4.4	10	3.7	16	3.1	22	2.5	28	2.0
5	3.9	11	2.3	17	3.0	23	2.0	29	2.1
6	3.5	12	2.1	18	3.4	24	2.4	30	2.2
								31	2.5

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
December 2019

Dec 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	23.0	0.50	0.29	0.10
2	23.2	0.78	0.23	0.10
3	21.2	0.67	0.26	0.13
4	19.6	0.99	0.23	0.11
5	19.4	0.58	0.30	0.09
6	22.0	0.65	0.26	0.10
7	22.9	0.59	0.26	0.10
8	19.2	0.77	0.19	0.11
9	16.9	0.69	0.19	0.10
10	19.3	0.52	0.32	0.11
11	28.4	0.87	0.20	0.13
12	15.7	1.19	0.25	0.10
13	15.5	0.89	0.25	0.10
14	16.1	1.10	0.21	0.22
15	15.2	0.75	0.22	0.11
16	15.8	0.73	0.29	0.12
17	27.1	0.83	0.29	0.12
18	22.5	0.61	0.18	0.14
19	23.3	0.60	0.14	0.13
20	18.0	0.52	0.30	0.14
21	22.2	0.69	0.23	0.12
22	44.8	1.48	0.16	0.18
23	40.0	1.19	0.26	0.18
24	35.0	1.10	0.30	0.16
25	28.8	0.82	0.29	0.15
26	24.7	0.84	0.28	0.14
27	24.5	0.92	0.30	0.13
28	27.6	1.10	0.31	0.16
29	37.7	0.84	0.19	0.17
30	48.9	1.07	0.30	0.17
31	36.8	1.35	0.22	0.15
MIN	15.2	0.50	0.14	0.09
MAX	48.9	1.48	0.32	0.22
AVG	25.0	0.85	0.25	0.11

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

System ID
MONTH

250008-01
December 2019

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

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

System ID
MONTH

250008-01
December 2019

Dec 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.3	2.2	2.3	2.2	2.3	3.6
2	3.8	3.8	3.7	3.5	3.5	3.5
3	3.6	3.7	3.7	3.5	4.6	5.0
4	5.0	5.0	5.0	4.6	4.4	4.4
5	4.4	4.2	3.9	4.0	4.1	4.1
6	3.9	4.0	4.0	3.9	3.5	3.9
7	3.9	3.9	3.7	3.2	3.1	3.9
8	3.9	3.9	3.8	3.8	3.5	3.7
9	3.1	4.0	3.8	3.8	3.3	3.8
10	3.7	3.8	3.8	3.9	3.9	3.8
11	3.8	3.6	3.6	3.4	3.1	2.3
12	2.1	2.8	3.4	3.7	3.7	3.2
13	3.2	3.2	3.6	3.7	3.6	3.2
14	3.1	3.2	3.4	3.4	3.4	3.3
15	3.2	3.2	3.7	3.1	3.1	3.2
16	3.2	3.1	3.2	3.2	4.3	3.1
17	3.1	3.1	3.8	3.0	3.1	3.2
18	3.4	3.5	3.5	3.6	3.5	3.8
19	3.7	3.6	3.5	3.3	3.4	3.6
20	3.6	3.6	3.5	3.5	3.6	3.3
21	3.6	3.2	2.9	2.4	2.1	2.2
22	3.4	2.7	2.6	2.7	3.0	2.5
23	2.4	2.5	2.0	2.6	2.5	3.8
24	2.7	2.7	2.8	2.8	2.4	2.5
25	2.5	2.6	2.7	2.5	2.4	2.4
26	2.3	2.2	2.6	2.4	2.4	2.2
27	2.4	3.4	2.4	2.0	2.3	2.6
28	2.3	2.1	3.9	3.6	2.0	2.1
29	2.1	2.1	2.6	2.3	2.3	2.3
30	2.7	2.2	2.2	2.6	3.2	2.3
31	2.5	2.7	2.8	2.5	2.6	2.6
MIN	2.1	2.1	2.0	2.0	2.0	2.1
MAX	5.0	5.0	5.0	4.6	4.6	5.0
AVG	3.2	3.2	3.3	3.2	3.2	3.2

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID **250008**
Month of **December 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	11				
2	20				
3	39				
4	39				
5	16				
6					
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	125	0	0	0	0
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V = (c+d+e)/(a+b)*100

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

Dec-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	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 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

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
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
RUNNING ANNUAL AVERAGE	OBC HS1						1.49
	OBC HS2						1.43
	JHF HS1						1.41
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.44

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
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
RUNNING ANNUAL AVERAGE	OBC HS1						1.41
	OBC HS2						1.36
	JHF HS1						1.33
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.38

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
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
12/6/2019	OBC HS1	10	8.1	1.9	76.5	50.0	1.53
	OBC HS2	10	8.1	3.9	51.9	50.0	1.04
	JHF HS1	8	9.8	1.7	82.7	50.0	1.65
12/11/2019	OBC HS1	10	9.2	4.8	47.8	50.0	0.96
	OBC HS2	10	9.2	7.8	15.2	50.0	0.30
	JHF HS1	10	9.1	3.6	60.4	50.0	1.21
12/19/2019	OBC HS1	10	9.7	3.0	69.1	50.0	1.38
	OBC HS2	10	9.7	3.0	69.1	50.0	1.38
	JHF HS1	9.5	9.1	3.5	61.5	50.0	1.23
12/23/2019	OBC HS1	12	10.3	4	61.2	50.0	1.22
	OBC HS2	12	10.3	3.2	68.9	50.0	1.38
	JHF HS1	12	11.7	6.5	44.4	50.0	0.89
12/31/2019	OBC HS1	12	10.9	2.6	76.1	50.0	1.52
	OBC HS2	12	10.9	2.2	79.8	50.0	1.60
	JHF HS1	15	12.3	3.3	73.2	50.0	1.46
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
RUNNING ANNUAL AVERAGE	OBC HS1						1.40
	OBC HS2						1.34
	JHF HS1						1.36
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.37

**CITY OF JACKSON
CORROSION CONTROL DATA**

December 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	25	47	9.2	14	64
	1500 - 2300	9.3	21	42	9.3	23	58
	2300 - 0700	9.3	20	38	9.5	13	71
2	0700 - 1500	9.4	23	29	9.0	12	60
	1500 - 2300	9.6	22	28	9.1	15	59
	2300 - 0700	9.5	34	30	9.4	14	64
3	0700 - 1500	9.5	32	31	9.5	15	61
	1500 - 2300	9.5	31	30	9.3	15	68
	2300 - 0700	9.5	31	33	9.6	14	66
4	0700 - 1500	9.5	28	12	9.3	10	63
	1500 - 2300	9.3	27	12	9.1	18	70
	2300 - 0700	9.5	31	17	9.3	13	65
5	0700 - 1500	9.2	31	25	9.4	14	50
	1500 - 2300	9.5	26	31	9.1	13	68
	2300 - 0700	9.7	29	21	9.5	13	65
6	0700 - 1500	9.3	20	25	9.4	15	47
	1500 - 2300	9.4	39	34	9.4	22	54
	2300 - 0700	9.4	45	38	9.5	17	66
7	0700 - 1500	9.4	20	24	9.5	17	84
	1500 - 2300	9.7	39	21	9.9	32	79
	2300 - 0700	9.5	36	35	9.4	20	63
8	0700 - 1500	9.4	22	29	9.3	14	62
	1500 - 2300	9.4	24	21	9.1	13	55
	2300 - 0700	9.4	36	30	9.2	14	66
9	0700 - 1500	9.5	25	10	9.2	16	55
	1500 - 2300	9.4	23	17	9.2	16	64
	2300 - 0700	9.7	30	24	9.2	11	61
10	0700 - 1500	9.4	22	21	9.2	21	66
	1500 - 2300	9.4	24	22	9.2	19	70
	2300 - 0700	9.6	34	38	9.3	13	65
11	0700 - 1500	9.3	18	32	9.3	16	69
	1500 - 2300	9.6	27	35	9.1	25	76
	2300 - 0700	9.7	32	38	9.0	32	63

**CITY OF JACKSON
CORROSION CONTROL DATA**

December 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	9.6	17	30	9.2	17	50
	1500 - 2300	9.6	33	26	9.0	19	39
	2300 - 0700	9.5	30	36	9.4	13	60
13	0700 - 1500	9.5	31	14	9.2	20	62
	1500 - 2300	9.5	32	16	9.3	18	66
	2300 - 0700	9.6	30	39	9.6	15	65
14	0700 - 1500	9.7	34	24	9.8	15	60
	1500 - 2300	9.7	36	13	9.8	17	69
	2300 - 0700	9.6	28	39	9.4	14	63
15	0700 - 1500	9.7	30	29	9.5	18	66
	1500 - 2300	9.8	32	34	9.9	22	63
	2300 - 0700	9.7	39	33	9.8	18	60
16	0700 - 1500	9.9	42	16	9.2	14	46
	1500 - 2300	9.7	39	27	9.3	17	50
	2300 - 0700	9.8	38	30	9.7	16	54
17	0700 - 1500	10.0	45	18	9.3	22	53
	1500 - 2300	9.7	39	24	9.5	19	81
	2300 - 0700	9.7	34	28	9.8	18	62
18	0700 - 1500	9.4	28	18	9.7	16	62
	1500 - 2300	9.4	39	21	9.9	13	68
	2300 - 0700	9.6	33	29	9.7	15	67
19	0700 - 1500	9.7	33	19	9.5	13	61
	1500 - 2300	9.5	31	28	9.2	14	56
	2300 - 0700	9.5	30	29	9.4	14	70
20	0700 - 1500	9.8	32	19	9.5	16	68
	1500 - 2300	9.5	36	24	9.9	23	68
	2300 - 0700	9.2	31	27	8.5	13	67
21	0700 - 1500	9.3	24	25	9.0	13	64
	1500 - 2300	9.4	24	28	9.8	27	75
	2300 - 0700	9.7	24	38	9.7	25	70
22	0700 - 1500	9.7	35	30	9.5	23	67
	1500 - 2300	9.6	38	29	9.2	28	51
	2300 - 0700	9.3	35	31	9.6	23	77

**CITY OF JACKSON
CORROSION CONTROL DATA**

December 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	9.6	39	20	9.3	41	59
	1500 - 2300	9.6	24	38	9.4	20	64
	2300 - 0700	9.5	32	31	9.5	16	57
24	0700 - 1500	9.6	34	15	9.0	18	57
	1500 - 2300	9.5	36	22	9.5	15	61
	2300 - 0700	9.6	34	25	9.6	17	57
25	0700 - 1500	9.4	33	19	9.0	37	51
	1500 - 2300	9.5	36	24	9.5	15	52
	2300 - 0700	9.5	31	27	9.7	15	59
26	0700 - 1500	9.6	40	20	9.5	19	58
	1500 - 2300	9.6	39	34	9.4	16	66
	2300 - 0700	9.5	35	31	9.6	18	58
27	0700 - 1500	9.8	37	21	9.2	15	53
	1500 - 2300	9.6	38	26	9.4	20	61
	2300 - 0700	9.5	37	30	9.7	22	58
28	0700 - 1500	9.9	46	28	9.7	24	63
	1500 - 2300	9.8	42	31	9.6	25	68
	2300 - 0700	9.5	40	29	9.3	23	55
29	0700 - 1500	9.8	39	19	9.4	14	57
	1500 - 2300	9.5	41	24	9.5	17	53
	2300 - 0700	9.8	37	28	9.3	18	55
30	0700 - 1500	9.7	36	25	9.3	20	51
	1500 - 2300	9.8	46	29	9.2	23	54
	2300 - 0700	9.8	35	28	9.3	16	57
31	0700 - 1500	9.7	38	15	9.0	15	59
	1500 - 2300	9.6	34	26	10.0	23	72
	2300 - 0700	9.5	31	28	9.7	17	62
MONTHLY MIN		9.2	17	10	8.5	10	39
MONTHLY MAX		10.0	46	47	10.0	41	84
MONTHLY AVG		9.6	32	27	9.4	18	62

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Month of December 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 (%)
12/1/2019	24.0	2173137	47	2.2	85	24.0	1804008	19	1.8	85	24.0	1995764	41	2.0	89
12/2/2019	24.0	2233293	45	2.2	85	24.0	1730059	19	1.7	85	24.0	2051467	40	2.1	89
12/3/2019	24.0	2245980	44	2.2	85	24.0	2000500	19	2.0	85	23.2	2006712	97	2.0	89
12/4/2019	22.9	1981060	48	2.0	85	24.0	2017385	19	2.0	85	24.0	1893034	44	1.9	89
12/5/2019	22.3	1915692	50	1.9	85	24.0	2006214	19	2.0	85	22.2	1749040	146	1.7	89
12/6/2019	24.0	2264053	42	2.3	85	24.0	1883612	19	1.9	85	24.0	2077033	36	2.1	89
12/7/2019	24.0	2317290	41	2.3	85	24.0	1825346	19	1.8	85	24.0	2126972	35	2.1	89
12/8/2019	23.8	2382579	40	2.4	85	24.0	1756702	19	1.8	85	23.0	2130618	34	2.1	89
12/9/2019	24.0	2282271	41	2.3	85	24.0	2092506	19	2.1	85	24.0	2094125	36	2.1	89
12/10/2019	18.6	2316985	31	2.3	85	24.0	2093637	19	2.1	85	18.6	2140665	32	2.1	89
12/11/2019	23.3	1953890	46	2.0	85	24.0	2052701	19	2.1	85	24.0	1864023	42	1.9	89
12/12/2019	21.2	2410676	43	2.4	85	24.0	1981253	19	2.0	85.0	20.6	2144092	37	2.1	89
12/13/2019	21.2	2410676	43	2.4	85	24.0	1981253	19	2.0	85.0	20.6	2144092	37	2.1	89
12/14/2019	21.2	2410676	43	2.4	85	24.0	1981253	19	2.0	85.0	20.6	2144092	37	2.1	89
12/15/2019	1.9	2473899	41	2.5	85	24.0	1925927	19	1.9	85	1.9	2274258	35	2.3	89
12/16/2019	24.1	2535889	40	2.5	85	24.0	1863983	19	1.9	85	23.2	2255788	34	2.3	89
12/17/2019	24.0	2413426	42	2.4	85	24.0	2164675	19	2.2	85	24.0	2225077	37	2.2	89
12/18/2019	23.5	2258454	42	2.3	85	24.0	2382427	19	2.4	85	24.0	2126029	38	2.1	89
12/19/2019	24.0	2306944	42	2.3	85	24.0	2351915	19	2.4	85	24.0	2123831	37	2.1	89
12/20/2019	24.0	2241858	43	2.2	85	24.0	2292732	19	2.3	85	24.0	2051116	38	2.1	89
12/21/2019	24.0	1898627	49	1.9	85	24.0	2252533	19	2.3	85	24.0	1727359	44	1.7	89
12/22/2019	23.6	2172262	44	2.2	85	24.0	2120171	19	2.1	85	23.6	2002306	39	2.0	89
12/23/2019	24.0	2271433	43	2.3	85	24.0	1897856	19	1.9	85	24.0	2086332	38	2.1	89
12/24/2019	23.7	2117609	43	2.1	85	24.0	1947960	19	1.9	85	24.0	1977266	38	2.0	89
12/25/2019	23.8	2245634	42	2.2	85	24.0	1932004	19	1.9	85	24.0	2069740	37	2.1	89
12/26/2019	24.0	2255650	42	2.3	85	24.0	1916025	19	1.9	85	23.0	1992574	37	2.0	89
12/27/2019	24.0	2286916	42	2.3	85	24.0	1831002	19	1.8	85	24.0	2100070	38	2.1	89
12/28/2019	24.0	2251089	41	2.3	85	24.0	1869336	19	1.9	85	24.0	2066883	37	2.1	89
12/29/2019	24.0	2001857	45	2.0	85	24.0	2361448	19	2.4	85	24.0	1828158	42	1.8	89
12/30/2019	23.6	2009704	44	2.0	85	24.0	2315014	19	2.3	85	23.0	1797220	142	1.8	89
12/31/2019	24.0	2045249	45	2.0	85	24.0	2250265	19	2.3	85	24.0	1872346	41	1.9	89

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Month of December 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 (%)
12/1/2019	24.0	2218134	41	2.2	95	24.0	2834510	72	2.8	93	24.0	2188813	52	2.2	85
12/2/2019	24.0	2277678	40	2.3	95	24.0	2686522	72	2.7	93	24.0	2251592	50	2.3	85
12/3/2019	23.2	2224244	40	2.2	95	24.0	2549236	72	2.5	93	23.2	2207135	50	2.2	85
12/4/2019	24.0	2111734	43	2.1	95	24.0	2260919	72	2.3	93	24.0	2086962	55	2.1	85
12/5/2019	22.3	1933136	43	1.9	95	24.0	1563664	72	1.6	93	22.3	1911540	55	1.9	85
12/6/2019	24.0	2307132	38	2.3	95	24.0	1574585	72	1.6	93	24.0	2273562	47	2.3	85
12/7/2019	24.0	2360933	37	2.4	95	24.0	1532773	72	1.5	93	24.0	2333992	45	2.3	85
12/8/2019	23.0	2364037	36	2.4	95	24.0	1461836	72	1.5	93	23.8	2400147	44	2.4	85
12/9/2019	24.0	2329067	38	2.3	95	24.0	1377674	72	1.4	93	23.6	2256157	46	2.3	85
12/10/2019	24.0	2371684	38	2.4	95	24.0	1345873	72	1.3	92.5	24.0	2343716	46	2.3	85
12/11/2019	24.0	2079273	43	2.1	95	24.0	1315618	72	1.3	92.5	24.0	2054952	52	2.1	85
12/12/2019	20.7	2392273	39	2.4	95	24.0	1825847	72	1.8	92.5	21.2	2426004	46	2.4	85
12/13/2019	20.7	2392273	39	2.4	95	24.0	1825847	72	1.8	92.5	21.2	2426004	46	2.4	85
12/14/2019	20.7	2392273	39	2.4	95	24.0	1825847	72	1.8	92.5	21.2	2426004	46	2.4	85
12/15/2019	1.9	2508344	38	2.5	95	24.0	1718537	72	1.7	92.5	1.9	2494253	46	2.5	85
12/16/2019	23.7	2534375	36	2.5	95	24.0	1779496	72	1.8	92.5	24.1	2553135	45	2.6	85
12/17/2019	24.0	2456130	39	2.5	95	24.0	1921963	72	1.9	92.5	23.3	2378186	47	2.4	85
12/18/2019	24.0	2357443	39	2.4	95	24.0	1949332	72	1.9	92.5	24.0	2326151	49	2.3	85
12/19/2019	24.0	2351907	39	2.4	95	24.0	1932746	72	1.9	92.5	24.0	2327552	48	2.3	85
12/20/2019	24.0	2282943	40	2.3	95	24.0	1899759	72	1.9	92.5	24.0	2256392	49	2.3	85
12/21/2019	24.0	1940017	45	1.9	95	24.0	1885733	72	1.9	92.5	24.0	1912189	57	1.9	85
12/22/2019	23.5	2214004	40	2.2	95	24.0	1778312	72	1.8	92.5	24.0	2238350	50	2.2	85
12/23/2019	24.0	2313183	40	2.3	95	24.0	1680616	72	1.7	92.5	23.2	2235284	48	2.2	85
12/24/2019	24.0	2200737	40	2.2	95	24.0	2062804	72	2.1	93	24.0	2170609	50	2.2	85
12/25/2019	24.0	2298873	39	2.3	95	24.0	2050849	72	2.1	93	24.0	2269235	47	2.3	85
12/26/2019	24.0	2298265	39	2.3	95	24.0	2034943	72	2.0	93	24.0	2270793	48	2.3	85
12/27/2019	23.2	2250341	38	2.3	95	24.0	1943181	72	1.9	93	24.0	2302457	48	2.3	85
12/28/2019	24.0	2295010	38	2.3	95	24.0	1864462	72	1.9	93	23.0	2176897	69	2.2	85
12/29/2019	24.0	2047865	42	2.0	95	24.0	2324053	72	2.3	93	24.0	2021318	53	2.0	85
12/30/2019	24.0	2094161	41	2.1	95	24.0	2331928	72	2.3	93	24.0	2066561	51	2.1	85
12/31/2019	24.0	2088102	41	2.1	95	24.0	2269190	72	2.3	93	24.0	2061259	51	2.1	85

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-01

Month of December 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 (%)						
12/1/2019	11.4	11387856	OFFLINE									24.0	25	87						
12/2/2019	11.5	11545202										24.0	25	87						
12/3/2019	11.5	11511588										24.0	23	87						
12/4/2019	11.5	11463190										24.0	24	87						
12/5/2019	11.7	11653456										24.0	23	87						
12/6/2019	11.4	11431796										24.0	21	87						
12/7/2019	13.1	13132573										4.4	16	75	24.0	19	87			
12/8/2019	14.5	14509450										7.3	19	75	24.0	19	87			
12/9/2019	12.4	12354238										24.0	27	75	OFFLINE					
12/10/2019	12.3	12302091										24.0	25	75	OFFLINE					
12/11/2019	17.5	17470685										21.7	22	75	16.2	18	87			
12/12/2019	15.3	15324092										9.9	14	75	24.0	25	87			
12/13/2019	14.2	14231358										7.0	19	75	24.0	28	87			
12/14/2019	14.4	14359116										7.5	19	75	24.0	27	87			
12/15/2019	19.0	18974143										18.6	21	75	24.0	27	87			
12/16/2019	19.5	19543010										24.0	26	75	20.0	23	87			
12/17/2019	16.8	16774492										11.2	14	85	6.5	17	75	20.3	22	87
12/18/2019	11.7	11680480										24.0	26	85	OFFLINE			OFFLINE		
12/19/2019	12.0	11991336										24.0	27	85	OFFLINE			OFFLINE		
12/20/2019	12.0	12009248										24.0	25	85	OFFLINE			OFFLINE		
12/21/2019	16.3	16278036										24.0	25	85	10.2	15	75	OFFLINE		
12/22/2019	15.4	15444470										24.0	26	85	8.8	20	75	OFFLINE		
12/23/2019	19.5	19531577										24.0	24	85	10.4	14	75	8.3	19	87
12/24/2019	16.1	16088842										24.0	20	85	7.1	18	75	OFFLINE		
12/25/2019	19.2	19225701										7.2	16	85	24.0	22	75	11.1	14	87
12/26/2019	19.6	19649879										OFFLINE			19.2	17	75	24.0	25	87
12/27/2019	21.4	21448408										OFFLINE			24.0	19	75	24.0	26	87
12/28/2019	21.2	21213101										OFFLINE			24.0	17	75	24.0	25	87
12/29/2019	18.8	18786625										OFFLINE			6.6	15	75	24.0	22	87
12/30/2019	18.7	18737011										OFFLINE			OFFLINE			24.0	21	87
12/31/2019	18.1	18072800										14.1	15	85	OFFLINE			24.0	19	87