

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

System ID **250008-02**
Month of **October 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	2.5	7	3.0	13	2.5	19	2.8	25	2.6
2	2.2	8	2.4	14	2.7	20	3.0	26	2.1
3	2.8	9	1.2	15	2.1	21	1.0	27	2.0
4	3.1	10	2.4	16	1.7	22	2.5	28	2.1
5	3.2	11	2.0	17	1.2	23	2.5	29	1.8
6	2.6	12	2.1	18	2.4	24	1.6	30	2.2
								31	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. 122

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
October 2019

Oct 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	7.4	0.46	0.17
2	6.6	0.41	0.08
3	11.8	0.43	0.13
4	7.0	0.32	0.16
5	5.6	0.44	0.13
6	5.6	0.32	0.12
7	5.5	0.32	0.08
8	5.8	0.38	0.24
9	6.8	0.45	0.16
10	8.3	0.51	0.06
11	7.9	0.40	0.06
12	8.1	0.39	0.17
13	7.9	0.42	0.07
14	8.4	0.40	0.06
15	7.6	0.53	0.30
16	9.2	0.54	0.13
17	8.3	0.50	0.27
18	6.0	0.32	0.13
19	5.8	0.25	0.07
20	5.8	0.30	0.06
21	6.6	0.52	0.06
22	6.8	0.51	0.06
23	8.8	0.53	0.06
24	7.7	0.48	0.20
25	7.3	0.58	0.29
26	8.8	0.52	0.13
27	7.1	0.56	0.06
28	8.8	0.56	0.32
29	8.4	0.54	0.26
30	6.6	0.62	0.06
31	18.4	0.70	0.05
MIN	5.5	0.25	0.05
MAX	18.4	0.70	0.32
AVG	7.8	0.46	0.08

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

System ID
Month Of

250008-02
October 2019

Oct 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.17	0.12	0.05	0.06	0.06	0.06
2	0.06	0.06	0.06	0.07	0.08	0.07
3	0.06	0.08	0.11	0.1	0.13	0.09
4	0.09	0.15	0.09	0.16	0.09	0.09
5	0.09	0.13	0.1	0.1	0.09	0.09
6	0.09	0.12	0.09	0.09	0.09	0.08
7	0.08	0.08	0.07	0.07	0.07	0.07
8	0.24	0.23	0.07	0.06	0.06	0.06
9	0.16	0.16	0.06	0.06	0.06	0.06
10	0.06	0.06	0.06	0.06	0.06	0.06
11	0.06	0.06	0.06	0.06	0.06	0.06
12	0.06	0.17	0.06	0.06	0.06	0.06
13	0.07	0.06	0.06	0.06	0.06	0.06
14	0.06	0.06	0.06	0.06	0.06	0.06
15	0.06	0.06	0.06	0.06	0.06	0.3
16	0.13	0.06	0.07	0.05	0.05	0.05
17	0.05	0.19	0.23	0.27	0.13	0.05
18	0.05	0.12	0.07	0.05	0.06	0.13
19	0.06	0.05	0.05	0.07	0.06	0.06
20	0.06	0.05	0.06	0.06	0.06	0.06
21	0.06	0.06	0.06	0.06	0.06	0.06
22	0.06	0.06	0.06	0.06	0.06	0.06
23	0.06	0.06	0.06	0.06	0.06	0.06
24	0.06	0.14	0.07	0.06	0.2	0.2
25	0.06	0.29	0.06	0.06	0.06	0.06
26	0.13	0.12	0.07	0.06	0.06	0.06
27	0.06	0.06	0.06	0.06	0.06	0.06
28	0.05	0.06	0.32	0.06	0.11	0.21
29	0.21	0.26	0.07	0.22	0.05	0.05
30	0.05	0.05	0.05	0.06	0.05	0.05
31	0.05	0.05	0.05	0.05	0.05	0.05
MIN	0.05	0.05	0.05	0.05	0.05	0.05
MAX	0.24	0.29	0.32	0.27	0.20	0.30
AVG	0.08	0.11	0.08	0.08	0.07	0.08

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

System ID
 Month Of

250008-02
 October 2019

Oct 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.8	2.7	2.7	2.5	2.7	3.5
2	2.3	2.4	2.2	2.2	2.5	2.5
3	2.8	3.4	2.8	3.5	3.6	3.2
4	3.1	3.3	3.2	3.3	3.2	3.4
5	3.5	3.4	3.5	3.2	3.3	3.4
6	2.6	3.2	2.8	3.2	3.4	3.3
7	3.1	3.2	3.7	3.3	3.2	3.0
8	2.9	2.9	3.1	2.8	2.8	2.4
9	2.0	1.7	1.5	1.3	1.2	2.1
10	2.9	2.4	3.1	3.3	3.2	3.2
11	2.9	2.5	2.0	2.1	2.8	2.8
12	2.1	2.8	2.9	2.7	2.9	2.4
13	2.5	2.9	3.0	3.3	2.9	3.1
14	3.0	2.9	3.3	3.3	3.0	2.7
15	2.1	2.3	3.0	3.3	3.4	3.0
16	2.7	3.0	2.0	1.7	2.1	1.8
17	1.2	1.7	1.8	2.7	2.2	3.3
18	3.1	3.0	3.0	2.4	3.0	3.5
19	3.2	3.0	2.8	3.0	3.6	3.6
20	4.3	4.9	3.0	3.6	3.6	3.5
21	3.5	2.8	2.8	1.0	2.2	2.4
22	2.5	2.7	2.8	2.9	3.2	3.3
23	3.2	3.1	2.6	2.6	2.5	3.5
24	3.2	3.0	3.3	3.1	1.6	2.4
25	2.8	2.6	2.7	2.7	3.1	3.4
26	3.0	2.9	2.6	2.2	2.4	2.1
27	2.3	2.2	2.3	2.0	2.4	2.3
28	2.6	2.3	2.4	2.3	2.1	2.2
29	2.6	2.2	1.8	2.1	2.3	2.6
30	2.5	3.6	3.6	3.3	2.7	2.2
31	2.0	2.0	2.0	2.0	2.2	2.2
MIN	1.2	1.7	1.5	1.0	1.2	1.8
MAX	4.3	4.9	3.7	3.6	3.6	3.6
AVG	2.7	2.8	2.7	2.7	2.7	2.9

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

System ID **250008-02**
Month of **October 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	2.8	7	2.3	13	2.8	19	2.6	25	2.1
2	2.4	8	2.4	14	2.0	20	2.6	26	2.5
3	2.4	9	2.6	15	2.1	21	1.1	27	2.4
4	2.8	10	2.7	16	2.3	22	2.0	28	2.4
5	2.7	11	2.6	17	2.3	23	2.4	29	2.5
6	2.5	12	2.8	18	2.5	24	1.7	30	2.2
								31	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. 122

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
 October 2019

Oct 2019	TURBIDITIES (NTU)	
	RAW	FINISHED
1	7.4	0.15
2	6.6	0.23
3	11.8	0.14
4	7.0	0.11
5	5.6	0.09
6	5.6	0.10
7	5.5	0.22
8	5.8	0.13
9	6.8	0.13
10	8.3	0.22
11	7.9	0.28
12	8.1	0.12
13	7.9	0.12
14	8.4	0.14
15	7.6	0.11
16	9.2	0.14
17	8.3	0.09
18	6.0	0.09
19	5.8	0.17
20	5.8	0.12
21	6.6	0.15
22	6.8	0.13
23	8.8	0.16
24	7.7	0.19
25	7.3	0.13
26	8.8	0.23
27	7.1	0.12
28	8.8	0.08
29	8.4	2.53
30	6.6	2.18
31	18.4	2.01
MIN	5.5	0.08
MAX	18.4	2.53
AVG	7.8	0.29

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

System ID
Month Of

250008-02
October 2019

Oct 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.15	0.12	0.15	0.14	0.15	0.12
2	0.09	0.13	0.23	0.09	0.1	0.12
3	0.14	0.12	0.1	0.08	0.1	0.1
4	0.1	0.11	0.11	0.09	0.1	0.08
5	0.08	0.08	0.09	0.09	0.08	0.08
6	0.09	0.1	0.09	0.08	0.09	0.08
7	0.08	0.1	0.11	0.11	0.18	0.22
8	0.13	0.1	0.09	0.09	0.08	0.08
9	0.08	0.09	0.09	0.09	0.13	0.13
10	0.09	0.08	0.08	0.08	0.07	0.22
11	0.28	0.18	0.1	0.11	0.09	0.08
12	0.08	0.09	0.08	0.12	0.12	0.09
13	0.12	0.1	0.08	0.07	0.07	0.07
14	0.09	0.14	0.09	0.1	0.08	0.08
15	0.1	0.11	0.11	0.11	0.09	0.08
16	0.08	0.13	0.08	0.14	0.09	0.09
17	0.06	0.06	0.09	0.05	0.04	0.05
18	0.09	0.07	0.08	0.06	0.07	0.06
19	0.08	0.17	0.1	0.08	0.07	0.11
20	0.11	0.12	0.06	0.06	0.06	0.06
21	0.11	0.13	0.13	0.14	0.15	0.12
22	0.13	0.1	0.12	0.08	0.07	0.07
23	0.12	0.15	0.16	0.1	0.09	0.13
24	0.09	0.19	0.13	0.14	0.1	0.12
25	0.09	0.1	0.13	0.11	0.12	0.11
26	0.1	0.09	0.09	0.23	0.2	0.16
27	0.07	0.06	0.12	0.1	0.06	0.07
28	0.07	0.08	0.06	0.07	0.08	0.07
29	0.09	0.06	0.12	0.13	0.06	0.06
30	0.06	0.11	0.11	0.1	0.06	0.06
31	0.06	0.1	0.28	0.19	0.09	0.14
MIN	0.06	0.06	0.06	0.05	0.04	0.05
MAX	0.28	0.19	0.28	0.23	0.20	0.22
AVG	0.10	0.11	0.11	0.10	0.09	0.10

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

System ID
Month Of

250008-02
October 2019

Oct 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.9	2.8	2.9	2.9	2.9	2.8
2	3.2	3.1	2.4	2.4	2.5	2.8
3	2.4	2.6	2.8	3.2	2.8	2.8
4	2.8	2.9	2.9	2.8	2.8	2.8
5	2.8	2.7	2.8	2.7	2.7	2.8
6	2.8	2.8	2.7	2.6	2.7	2.5
7	2.5	2.7	2.8	2.3	2.7	2.5
8	2.4	2.6	2.8	2.6	2.6	2.7
9	2.6	2.7	3.1	2.9	3.0	3.0
10	2.9	2.9	2.8	2.8	2.7	3.2
11	2.9	2.6	2.8	2.7	2.7	2.6
12	2.8	2.8	2.9	3.0	3.4	2.8
13	3.1	3.1	3.1	3.0	2.8	2.8
14	3.1	3.2	3.1	3.1	2.1	2.0
15	2.1	3.0	3.4	3.1	3.0	2.8
16	2.7	2.5	2.3	2.6	2.4	2.5
17	2.3	2.4	2.5	2.7	2.4	2.4
18	2.5	2.6	2.7	2.7	2.9	3.0
19	3.8	2.9	3.1	3.0	3.5	2.6
20	2.7	2.7	2.7	2.6	2.6	2.6
21	2.7	1.8	1.1	1.4	2.3	2.3
22	2.4	2.0	2.0	2.0	2.1	2.6
23	2.6	3.1	3.2	2.8	2.7	2.4
24	2.4	2.6	2.7	3.0	1.7	2.3
25	2.6	2.8	2.4	2.2	2.1	2.5
26	3.0	2.6	2.8	2.7	2.5	2.5
27	2.4	2.4	2.4	2.5	2.4	2.4
28	2.4	2.5	2.5	3.3	4.0	3.1
29	4.1	2.6	2.6	2.6	2.5	2.5
30	2.6	2.7	2.8	3.2	2.2	3.5
31	2.2	2.3	2.8	2.1	2.0	2.3
MIN	2.1	1.8	1.1	1.4	1.7	2.0
MAX	4.1	3.2	3.4	3.3	4.0	3.5
AVG	2.7	2.7	2.7	2.7	2.6	2.7

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

System ID **250008-01**
Month of **October 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	3.0	7	2.0	13	2.5	19	2.2	25	2.1
2	2.9	8	2.1	14	2.1	20	2.1	26	2.1
3	2.9	9	2.0	15	2.2	21	2.0	27	2.1
4	2.0	10	2.5	16	2.1	22	2.2	28	2.2
5	3.0	11	2.0	17	2.0	23	2.1	29	2.0
6	3.3	12	2.2	18	2.0	24	2.2	30	2.5
								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. 122

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
October 2019

Oct 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	11.2	0.61	0.22	0.20
2	14.2	0.70	0.21	0.19
3	10.9	0.68	0.19	0.19
4	11.3	0.74	0.18	0.21
5	8.9	0.67	0.21	0.17
6	9.5	0.86	0.19	0.18
7	10.0	0.53	0.19	0.18
8	11.3	0.67	0.21	0.17
9	11.9	0.61	0.21	0.30
10	10.2	0.77	0.20	0.17
11	10.4	0.75	0.20	0.17
12	11.9	0.64	0.25	0.16
13	19.1	0.72	0.20	0.17
14	13.0	0.78	0.17	0.16
15	217.0	0.88	0.33	0.28
16	149.0	6.87	0.36	0.22
17	93.7	1.50	0.21	0.22
18	58.8	1.25	0.30	0.16
19	42.5	1.36	0.36	0.17
20	30.5	0.90	0.26	0.28
21	51.4	1.09	0.21	0.17
22	44.6	0.98	0.19	0.17
23	52.1	0.92	0.18	0.17
24	37.5	0.78	0.29	0.18
25	44.3	0.82	0.24	0.19
26	54.7	0.91	0.27	0.19
27	28.5	0.89	0.19	0.17
28	21.6	0.99	0.29	0.18
29	17.3	0.87	0.26	0.17
30	53.8	0.91	0.25	0.19
31	39.0	1.19	0.23	0.17
MIN	8.9	0.53	0.17	0.16
MAX	217.0	6.87	0.36	0.30
AVG	38.7	1.06	0.23	0.17

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

System ID
MONTH

250008-01
October 2019

Oct 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.19	0.20	0.19	0.19	0.19	0.19
2	0.19	0.18	0.19	0.19	0.19	0.19
3	0.19	0.18	0.19	0.19	0.19	0.19
4	0.21	0.20	0.18	0.18	0.17	0.17
5	0.17	0.17	0.17	0.17	0.17	0.17
6	0.16	0.17	0.17	0.17	0.17	0.18
7	0.18	0.17	0.17	0.18	0.18	0.18
8	0.17	0.17	0.17	0.17	0.17	0.17
9	0.17	0.17	0.20	0.30	0.17	0.17
10	0.17	0.16	0.16	0.17	0.17	0.17
11	0.17	0.16	0.14	0.15	0.15	0.16
12	0.15	0.15	0.15	0.16	0.16	0.16
13	0.16	0.17	0.16	0.16	0.16	0.16
14	0.15	0.15	0.15	0.16	0.16	0.16
15	0.15	0.14	0.23	0.18	0.19	0.28
16	0.18	0.17	0.17	0.21	0.20	0.22
17	0.22	0.18	0.12	0.13	0.14	0.15
18	0.14	0.15	0.15	0.14	0.16	0.13
19	0.13	0.12	0.12	0.14	0.15	0.17
20	0.16	0.28	0.17	0.17	0.16	0.16
21	0.16	0.16	0.16	0.17	0.16	0.15
22	0.17	0.16	0.15	0.15	0.14	0.13
23	0.14	0.14	0.14	0.16	0.17	0.14
24	0.14	0.14	0.14	0.15	0.18	0.17
25	0.17	0.17	0.19	0.18	0.18	0.16
26	0.17	0.19	0.18	0.16	0.15	0.16
27	0.14	0.14	0.15	0.15	0.15	0.17
28	0.16	0.18	0.17	0.16	0.15	0.15
29	0.13	0.15	0.15	0.17	0.17	0.17
30	0.19	0.19	0.13	0.14	0.16	0.19
31	0.17	0.17	0.16	0.16	0.15	0.16
MIN	0.13	0.12	0.12	0.13	0.14	0.13
MAX	0.22	0.28	0.23	0.30	0.20	0.28
AVG	0.17	0.17	0.16	0.17	0.17	0.17

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

System ID
MONTH

250008-01
October 2019

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

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID **250008**
Month of **October 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	51				
2	57				
3	8				
4					
5					
6					
7	6				
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	122	0	0	0	0
-------	-----	---	---	---	---

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

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

Oct-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
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
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

**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
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

**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
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
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
RUNNING ANNUAL AVERAGE	OBC HS1						1.41
	OBC HS2						1.36
	JHF HS1						1.37
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.38

**CITY OF JACKSON
CORROSION CONTROL DATA**

October 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	9.4	31	26	9.5	28	83
	1500 - 2300	9.4	26	33	9.7	28	73
	2300 - 0700	9.4	29	24	9.5	31	70
2	0700 - 1500	9.2	34	23	9.4	30	71
	1500 - 2300	9.2	28	22	9.6	35	89
	2300 - 0700	9.0	30	23	9.5	34	66
3	0700 - 1500	9.3	22	23	9.7	39	73
	1500 - 2300	9.2	21	29	9.7	36	83
	2300 - 0700	9.3	30	26	9.7	23	82
4	0700 - 1500	9.4	20	26	9.8	32	67
	1500 - 2300	9.2	26	29	9.4	39	78
	2300 - 0700	9.4	31	24	9.8	36	90
5	0700 - 1500	9.2	31	23	9.1	28	80
	1500 - 2300	9.0	31	22	9.7	24	76
	2300 - 0700	9.3	29	37	9.6	28	68
6	0700 - 1500	9.0	20	27	9.0	38	77
	1500 - 2300	9.1	23	29	9.2	32	68
	2300 - 0700	9.3	26	32	9.3	30	71
7	0700 - 1500	9.2	25	31	9.7	38	82
	1500 - 2300	9.1	24	31	9.3	31	73
	2300 - 0700	9.3	25	31	9.6	32	75
8	0700 - 1500	9.3	25	32	9.4	34	63
	1500 - 2300	9.1	25	33	9.4	35	87
	2300 - 0700	9.2	27	32	9.5	30	75
9	0700 - 1500	9.3	27	17	9.6	31	73
	1500 - 2300	9.1	29	24	9.5	23	76
	2300 - 0700	9.2	30	23	9.6	31	73
10	0700 - 1500	9.2	31	25	9.6	32	66
	1500 - 2300	9.4	22	29	9.6	33	78
	2300 - 0700	9.0	29	24	9.5	32	74
11	0700 - 1500	9.0	30	28	9.3	25	63
	1500 - 2300	9.1	25	31	9.6	32	65
	2300 - 0700	9.1	29	24	9.5	32	84

**CITY OF JACKSON
CORROSION CONTROL DATA**

October 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	8.9	25	31	9.2	29	70
	1500 - 2300	9.4	21	28	9.3	24	76
	2300 - 0700	9.5	20	25	9.4	32	80
13	0700 - 1500	9.4	27	20	9.0	26	62
	1500 - 2300	9.5	24	31	9.2	32	60
	2300 - 0700	9.5	24	32	9.4	31	69
14	0700 - 1500	9.3	18	26	9.5	33	65
	1500 - 2300	9.4	16	27	9.3	29	65
	2300 - 0700	9.5	22	29	9.7	53	73
15	0700 - 1500	9.5	21	30	9.2	29	65
	1500 - 2300	9.2	19	31	9.4	31	69
	2300 - 0700	9.7	23	30	9.3	35	74
16	0700 - 1500	9.4	20	28	9.1	31	64
	1500 - 2300	8.9	18	30	9.3	26	74
	2300 - 0700	9.3	26	32	9.4	36	74
17	0700 - 1500	9.3	19	24	9.1	31	55
	1500 - 2300	9.2	17	24	9.7	34	75
	2300 - 0700	9.0	21	31	9.4	31	83
18	0700 - 1500	9.3	19	25	9.4	34	57
	1500 - 2300	9.4	21	27	9.4	29	59
	2300 - 0700	9.7	24	30	9.7	36	87
19	0700 - 1500	9.4	20	24	9.5	38	92
	1500 - 2300	9.3	18	26	9.3	35	77
	2300 - 0700	9.3	21	30	9.5		
20	0700 - 1500	9.0	16	28	9.6	39	72
	1500 - 2300	9.0	17	30	9.4	31	60
	2300 - 0700	9.9			9.3	32	75
21	0700 - 1500	9.0	15	21	9.5	32	71
	1500 - 2300	9.3	26	34	9.7	34	73
	2300 - 0700	8.9	25	33	9.3	29	80
22	0700 - 1500	9.3	18	26	9.7	34	76
	1500 - 2300	9.4	19	30	9.8	38	86
	2300 - 0700	9.3	23	32	9.1	40	79

**CITY OF JACKSON
CORROSION CONTROL DATA**

October 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
23	0700 - 1500	9.7	32	22	9.0	27	77
	1500 - 2300	9.8	33	23	9.8	38	92
	2300 - 0700	9.5	31	24	9.3	32	16
24	0700 - 1500	9.4	31	22	9.5	28	69
	1500 - 2300	9.6	29	26	9.2	35	91
	2300 - 0700	9.5	30	24	9.5	39	84
25	0700 - 1500	9.4	24	17	9.4	38	71
	1500 - 2300	9.6	28	20	9.6	30	70
	2300 - 0700	9.7	29	24	9.6	31	83
26	0700 - 1500	9.6	30	25	9.6	24	91
	1500 - 2300	9.5	35	22	9.7	26	77
	2300 - 0700	9.4	31	21	9.6	30	88
27	0700 - 1500	9.3	29	21	9.7	27	62
	1500 - 2300	9.4	30	22	9.8	25	67
	2300 - 0700	9.4	31	24	10.1	33	91
28	0700 - 1500	9.3	31	14	9.4	18	59
	1500 - 2300	9.3	30	17	9.3	22	56
	2300 - 0700	9.5	30	23	9.5	20	58
29	0700 - 1500	9.2	29	21	9.6	21	50
	1500 - 2300	9.2	31	20	9.3	23	75
	2300 - 0700	9.4	29	21	9.1	29	82
30	0700 - 1500	8.9	19	32	9.3	16	46
	1500 - 2300	9.7	18	32	9.5	23	84
	2300 - 0700	9.5	24	30	9.4		
31	0700 - 1500	9.8	23	32	9.0	21	57
	1500 - 2300	9.6	16	22	9.7	22	68
	2300 - 0700	9.3	29	30	9.8	23	68
MONTHLY MIN		8.9	15	14	9.0	16	16
MONTHLY MAX		9.9	35	37	10.1	53	92
MONTHLY AVG		9.3	25	26	9.5	31	73

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Month of October 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 (%)
10/1/2019	8.6	2430533	20	2.4	85	24.0	1654938	23	1.7	85	24.0	2307673	35	2.3	89
10/2/2019	24.0	2100284	49	2.1	85	24.0	1452979	23	1.5	85	24.0	1920795	43	1.9	89
10/3/2019	21.8	1637265	58	1.6	85	6.6	181593	2384	0.2	85	22.4	1424069	153	1.4	89
10/4/2019	24.0	1742597	55	1.7	85	OFFLINE					23.5	1546373	93	1.5	89
10/5/2019	22.6	1767768	52	1.8	85						24.0	1657011	46	1.7	89
10/6/2019	24.0	1656007	56	1.7	85						23.6	1472142	95	1.5	89
10/7/2019	24.0	1877618	52	1.9	85						24.0	1706043	46	1.7	89
10/8/2019	24.0	2112993	47	2.1	85						24.0	1937843	41	1.9	89
10/9/2019	22.2	2076471	45	2.1	85						24.0	1988291	40	2.0	89
10/10/2019	24.0	2093347	47	2.1	85						24.0	1920424	41	1.9	89
10/11/2019	24.0	1948920	50	1.9	85						24.0	1781643	44	1.8	89
10/12/2019	24.0	1882605	51	1.9	85						23.5	1677460	90	1.7	89
10/13/2019	24.0	1812918	53	1.8	85						24.0	1643407	46	1.6	89
10/14/2019	24.0	1847060	54	1.8	85						24.0	1681373	47	1.7	89
10/15/2019	16.2	1896211	59	1.9	85						24.0	1729625	80	1.7	89
10/16/2019	24.0	1851833	56	1.9	85						24.0	1686325	48	1.7	89
10/17/2019	24.0	1882474	50	1.9	85						24.0	1787088	46	1.8	89
10/18/2019	24.0	2078433	51	2.1	85						23.2	1842220	122	1.8	89
10/19/2019	24.0	2040409	50	2.0	85						24.0	1864063	42	1.9	89
10/20/2019	24.0	2016166	51	2.0	85						24.0	1840486	43	1.8	89
10/21/2019	24.0	1931792	54	1.9	85						24.0	1767436	47	1.8	89
10/22/2019	24.0	2101797	52	2.1	85						24.0	1924400	44	1.9	89
10/23/2019	24.0	2850207	42	2.9	85						24.0	2638834	33	2.6	89
10/24/2019	OFFLINE										23.5	2770932	77	2.8	89
10/25/2019	24.0	3114807	27	3.1	85						24.0	2893240	31	2.9	89
10/26/2019	24.0	3175483	32	3.2	85						22.1	2951493	85	3.0	89
10/27/2019	24.0	3227289	40	3.2	85	24.0	2999792	30	3.0	89					
10/28/2019	24.0	2520356	16	2.5	85	4.5	236360	2656	0.2	85	24.0	2837216	32	2.8	89
10/29/2019	7.8	1013477	20	1.0	85	24.0	1941590	23	1.9	85	23.5	2482293	93	2.5	89
10/30/2019	24.0	1917059	51	1.9	85	24.0	2032245	23	2.0	85	24.0	1753690	46	1.8	89
10/31/2019	24.0	2323496	45	2.3	85	24.0	1982372	23	2.0	85	24.0	2134684	40	2.1	89

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Month of October 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 (%)
10/1/2019	24.0	2550531	36	2.6	95	24.0	2091823	72	2.1	93	24.0	2520899	44	2.5	85
10/2/2019	24.0	2145531	43	2.1	95	24.0	1820711	72	1.8	93	24.0	2116327	55	2.1	85
10/3/2019	22.4	1589664	49	1.6	95	24.0	242451	72	0.2	93	22.4	1588184	65	1.6	85
10/4/2019	23.0	1742106	45	1.7	95	OFFLINE					24.0	1752329	62	1.8	85
10/5/2019	24.0	1865712	45	1.9	95						23.5	1793872	58	1.8	85
10/6/2019	24.0	1698458	48	1.7	95						24.0	1671363	63	1.7	85
10/7/2019	24.0	1913452	45	1.9	95						24.0	1890095	58	1.9	85
10/8/2019	23.5	2103927	41	2.1	95						24.0	2126455	52	2.1	85
10/9/2019	24.0	2212988	40	2.2	95						23.2	2103263	50	2.1	85
10/10/2019	24.0	2136352	41	2.1	95						24.0	2109295	53	2.1	85
10/11/2019	24.0	1991610	44	2.0	95						24.0	1966922	56	2.0	85
10/12/2019	24.0	1923684	44	1.9	95						24.0	1900083	57	1.9	85
10/13/2019	24.0	1847244	46	1.8	95						24.0	1824328	59	1.8	85
10/14/2019	24.0	1885566	46	1.9	95						24.0	1860598	60	1.9	85
10/15/2019	23.4	1894942	45	1.9	95						24.0	1913331	61	1.9	85
10/16/2019	23.8	1864873	48	1.9	95						23.4	1825500	60	1.8	85
10/17/2019	24.0	1999621	46	2.0	95						24.0	1972517	58	2.0	85
10/18/2019	23.2	2052915	42	2.1	95						24.0	2092203	54	2.1	85
10/19/2019	24.0	2080415	43	2.1	95						24.0	2054006	54	2.1	85
10/20/2019	24.0	2059387	43	2.1	95						23.4	1971385	54	2.0	85
10/21/2019	24.0	1968810	46	2.0	95						24.0	1946598	59	1.9	85
10/22/2019	24.0	2145368	44	2.1	95						24.0	2118588	55	2.1	85
10/23/2019	24.0	2899049	34	2.9	95						24.0	2867321	41	2.9	85
10/24/2019	23.4	3012570	33	3.0	95						24.0	3067197	40	3.1	85
10/25/2019	24.0	3161856	32	3.2	95						23.1	3018658	38	3.0	85
10/26/2019	22.6	3295343	30	3.3	95						22.6	3265028	36	3.3	82
10/27/2019	24.0	3275347	32	3.3	95						24.0	3244990	38	3.2	85
10/28/2019	24.0	3102875	33	3.1	95	24.0	3077253	40	3.1	85					
10/29/2019	23.6	2726876	36	2.7	95	24.0	2179285	72	2.2	93	23.5	2686406	45	2.7	85
10/30/2019	24.0	1961185	46	2.0	95	24.0	2125236	72	2.1	93	24.0	1932812	58	1.9	85
10/31/2019	24.0	2362673	41	2.4	95	24.0	2053176	72	2.1	93	24.0	2339702	51	2.3	85

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-01

Month of October 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 (%)
10/1/2019	10.8	10780226	OFFLINE			OFFLINE			24.0	25	75	14.0	16	87
10/2/2019	10.4	10413281							24.0	25	75	24.0	27	87
10/3/2019	10.7	10659167							24.0	27	75	24.0	27	87
10/4/2019	10.5	10486128	19.7	20	85				OFFLINE			24.0	27	87
10/5/2019	10.6	10614896	24.0	25	85							24.0	27	87
10/6/2019	10.6	10568090	24.0	24	85							24.0	27	87
10/7/2019	10.5	10527639	24.0	25	85							24.0	27	87
10/8/2019	10.5	10481615	24.0	24	85							24.0	28	87
10/9/2019	10.6	10555295	24.0	24	85							24.0	27	87
10/10/2019	10.6	10622812	24.0	24	85							24.0	27	87
10/11/2019	10.5	10496753	24.0	25	85							24.0	28	87
10/12/2019	10.6	10592257	24.0	25	85							24.0	28	87
10/13/2019	10.5	10500087	24.0	25	85							24.0	28	87
10/14/2019	10.7	10678247	23.2	24	85				22.5	26	87			
10/15/2019	10.8	10755156	24.0	25	85				24.0	26	87			
10/16/2019	10.9	10898177	OFFLINE			13.5	15	75	24.0	26	87			
10/17/2019	10.7	10700000				24.0	25	75	24.0	27	87			
10/18/2019	10.7	10700000				24.0	25	75	24.0	28	87			
10/19/2019	10.7	10700000				24.0	25	75	24.0	28	87			
10/20/2019	10.7	10700000				24.0	24	75	24.0	28	87			
10/21/2019	10.7	10657295				16.3	14	85	19.4	20	75	19.4	22	85
10/22/2019	10.7	10731481				24.0	19	85	23.8	27	75	OFFLINE		
10/23/2019	11.1	11112857				24.0	20	85	OFFLINE					
10/24/2019	10.8	10814669				24.0	20	85						
10/25/2019	10.7	10747059				24.0	20	85						
10/26/2019	12.9	12910000	24.0	20	85									
10/27/2019	11.5	11470000	24.0	19	85									
10/28/2019	10.7	10700000	24.0	19	85	24.0	27	75						
10/29/2019	11.1	11082353	OFFLINE			24.0	26	75						
10/30/2019	10.5	10500000				18.5	21	75	18.4	22	87			
10/31/2019	10.7	10700000				OFFLINE			24.0	28	87			