

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

System ID **250008-02**
Month of **August 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. 98.8%

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

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

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

1	1.9		7	2.1		13	2.8		19	3.2		25	2.9
2	2.2		8	2.1		14	3.0		20	3.3		26	2.8
3	3.0		9	3.2		15	3.2		21	2.9		27	2.8
4	2.9		10	2.8		16	3.2		22	3.2		28	3.0
5	2.1		11	2.2		17	3.2		23	2.9		29	3.2
6	2.3		12	3.2		18	2.9		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. 128

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

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

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

System ID
Month Of

250008-02
August 2019

Aug 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	7.16	0.23	0.06
2	5.05	0.25	0.12
3	4.20	0.35	0.15
4	3.23	0.32	0.06
5	2.50	0.40	0.15
6	2.84	0.49	0.09
7	2.69	0.34	0.12
8	5.90	0.39	0.10
9	2.03	0.29	0.08
10	3.50	0.42	0.10
11	4.16	0.40	0.08
12	4.36	0.40	0.09
13	3.61	0.22	0.09
14	5.66	0.39	0.06
15	4.39	0.44	0.11
16	4.88	0.29	0.11
17	6.58	0.49	0.08
18	3.62	0.39	0.10
19	3.84	0.35	0.07
20	2.50	0.26	0.09
21	3.48	0.58	0.06
22	4.57	0.31	0.09
23	4.99	0.32	0.24
24	3.77	0.42	0.06
25	3.97	0.34	0.09
26	4.60	0.15	0.05
27	5.47	0.46	0.08
28	4.69	0.35	0.05
29	5.69	0.39	0.24
30	6.76	0.37	0.32
31	3.67	0.30	0.08
MIN	2.03	0.15	0.05
MAX	7.16	0.58	0.32
AVG	4.33	0.36	0.07

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

System ID
Month Of

250008-02
August 2019

Aug 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.05	0.06	0.06	0.05	0.06	0.05
2	0.06	0.08	0.06	0.05	0.11	0.12
3	0.06	0.05	0.06	0.06	0.06	0.15
4	0.06	0.05	0.04	0.05	0.05	0.05
5	0.05	0.06	0.15	0.10	0.06	0.06
6	0.07	0.06	0.06	0.05	0.05	0.09
7	0.06	0.07	0.07	0.12	0.12	0.10
8	0.08	0.07	0.10	0.07	0.07	0.07
9	0.06	0.06	0.08	0.06	0.05	0.06
10	0.05	0.10	0.05	0.05	0.06	0.05
11	0.05	0.08	0.06	0.05	0.05	0.05
12	0.05	0.06	0.06	0.09	0.06	0.07
13	0.07	0.06	0.06	0.06	0.06	0.09
14	0.06	0.05	0.05	0.06	0.05	0.05
15	0.05	0.11	0.05	0.09	0.06	0.05
16	0.06	0.05	0.11	0.06	0.06	0.08
17	0.06	0.08	0.06	0.06	0.05	0.06
18	0.10	0.06	0.06	0.10	0.08	0.09
19	0.06	0.05	0.05	0.05	0.07	0.05
20	0.05	0.05	0.05	0.05	0.09	0.05
21	0.05	0.05	0.05	0.05	0.06	0.06
22	0.05	0.08	0.09	0.09	0.09	0.09
23	0.04	0.08	0.08	0.04	0.24	0.04
24	0.04	0.06	0.05	0.05	0.05	0.05
25	0.09	0.05	0.05	0.05	0.05	0.08
26	0.05	0.05	0.05	0.05	0.04	0.04
27	0.04	0.08	0.06	0.04	0.04	0.04
28	0.04	0.04	0.04	0.04	0.05	0.05
29	0.05	0.05	0.08	0.05	0.05	0.24
30	0.12	0.32	0.06	0.12	0.06	0.06
31	0.08	0.06	0.06	0.06	0.06	0.06
MIN	0.04	0.04	0.04	0.04	0.04	0.04
MAX	0.12	0.32	0.15	0.12	0.24	0.24
AVG	0.06	0.07	0.06	0.06	0.07	0.07

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

System ID
Month Of

250008-02
August 2019

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

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

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

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

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 95.0%

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	2.0	7	2.8	13	2.6	19	3.0	25	2.2
2	3.2	8	2.5	14	2.6	20	2.9	26	2.0
3	3.2	9	3.5	15	3.0	21	2.6	27	2.0
4	3.0	10	2.9	16	3.0	22	2.3	28	2.0
5	2.8	11	1.8	17	3.0	23	2.4	29	2.2
6	2.9	12	3.2	18	2.7	24	2.0	30	2.2
								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. 128

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

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

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

System ID
 Month Of

250008-02
 August 2019

Aug 2019	TURBIDITIES (NTU)	
	RAW	FINISHED
1	7.16	0.15
2	5.05	0.15
3	4.20	0.19
4	3.23	0.15
5	2.50	0.17
6	2.84	0.08
7	2.69	0.22
8	5.90	0.18
9	2.03	0.17
10	3.50	0.14
11	4.16	0.15
12	4.36	0.15
13	3.61	0.19
14	5.66	0.15
15	4.39	0.17
16	4.88	0.15
17	6.58	0.16
18	3.62	0.16
19	3.84	0.22
20	2.50	0.18
21	3.48	0.15
22	4.57	0.19
23	4.99	0.18
24	3.77	0.16
25	3.97	0.15
26	4.60	0.14
27	5.47	0.15
28	4.69	0.15
29	5.69	0.14
30	6.76	0.15
31	3.67	0.23
MIN	2.03	0.08
MAX	7.16	0.23
AVG	4.33	0.12

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

System ID
Month Of

250008-02
August 2019

Aug 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.07	0.06	0.06	0.12	0.15	0.07
2	0.10	0.15	0.07	0.10	0.09	0.10
3	0.11	0.19	0.09	0.18	0.12	0.09
4	0.15	0.13	0.09	0.14	0.15	0.15
5	0.06	0.12	0.13	0.17	0.16	0.16
6	0.06	0.08	0.06	0.04	0.07	0.07
7	0.22	0.07	0.07	0.07	0.10	0.19
8	0.07	0.03	0.13	0.03	0.18	0.03
9	0.17	0.03	0.03	0.11	0.10	0.10
10	0.10	0.11	0.11	0.11	0.11	0.14
11	0.08	0.08	0.08	0.14	0.15	0.15
12	0.15	0.15	0.15	0.15	0.15	0.15
13	0.15	0.13	0.14	0.14	0.14	0.19
14	0.13	0.15	0.14	0.14	0.12	0.14
15	0.17	0.17	0.10	0.13	0.14	0.12
16	0.14	0.15	0.12	0.13	0.13	0.13
17	0.14	0.14	0.15	0.16	0.09	0.10
18	0.16	0.14	0.11	OFF	0.10	0.12
19	0.14	0.15	0.13	0.10	0.21	0.22
20	0.18	0.13	0.11	0.13	0.13	0.12
21	0.15	0.15	0.12	0.11	0.14	0.12
22	0.14	0.17	0.19	0.13	0.15	0.13
23	0.16	0.18	0.13	0.14	0.13	0.14
24	0.15	0.14	0.13	0.14	0.16	0.11
25	0.14	0.12	0.14	0.15	0.13	0.07
26	0.14	0.12	0.06	0.11	0.07	0.10
27	0.15	0.14	0.07	0.15	0.07	0.07
28	0.14	0.15	0.12	0.09	0.11	0.13
29	0.14	0.14	0.08	0.11	0.08	0.10
30	0.14	0.14	0.15	0.08	0.13	0.11
31	0.11	0.17	0.09	0.16	0.23	0.09
MIN	0.06	0.03	0.03	0.03	0.07	0.03
MAX	0.22	0.19	0.19	0.18	0.23	0.22
AVG	0.13	0.13	0.11	0.12	0.13	0.12

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

System ID
 Month Of

250008-02
 August 2019

Aug 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.4	2.7	2.0	2.8	2.9	3.4
2	3.4	3.3	3.3	3.4	3.2	3.2
3	3.2	3.3	3.4	3.5	4.0	4.0
4	3.7	3.5	3.5	3.0	3.7	3.4
5	3.2	3.4	3.4	3.5	2.9	2.8
6	2.9	3.0	3.5	3.4	3.6	3.5
7	3.4	2.8	3.0	3.2	2.8	2.8
8	2.9	3.0	2.7	2.5	3.4	3.7
9	3.5	3.6	3.8	3.7	3.8	4.0
10	2.9	3.1	3.2	3.7	4.0	3.7
11	3.2	2.9	1.8	2.6	3.5	3.2
12	3.2	3.4	3.6	4.0	3.6	3.8
13	3.4	2.6	3.0	3.3	3.1	2.8
14	3.2	3.1	3.3	2.7	2.6	2.7
15	3.0	3.4	3.5	3.8	3.3	3.6
16	3.0	3.0	3.2	3.2	3.1	3.0
17	3.0	3.1	3.0	3.1	3.0	3.0
18	2.9	2.8	2.7	3.2	3.5	3.8
19	3.5	3.2	3.8	3.0	3.0	3.5
20	3.7	3.7	3.9	4.0	3.4	2.9
21	2.7	3.0	2.8	2.6	2.6	2.6
22	2.7	2.7	2.8	2.6	2.3	2.3
23	2.4	2.4	2.5	2.7	2.7	2.4
24	2.2	2.3	2.6	2.5	2.0	2.0
25	2.2	2.2	2.5	2.5	2.6	2.8
26	2.4	2.4	2.0	2.0	2.2	2.2
27	2.2	2.2	2.6	2.4	2.1	2.0
28	2.1	2.0	2.1	2.8	2.6	2.5
29	2.7	3.0	2.7	2.3	2.2	2.3
30	2.4	2.4	2.7	2.7	2.4	2.2
31	2.2	2.3	2.5	2.6	2.4	2.6
MIN	2.1	2.0	1.8	2.0	2.0	2.0
MAX	3.7	3.7	3.9	4.0	4.0	4.0
AVG	2.9	2.9	2.9	3.0	3.0	3.0

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

System ID **250008-01**
Month of **August 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	2.4	7	2.9	13	2.9	19	2.5	25	2.8
2	3.2	8	3.0	14	3.0	20	3.5	26	2.6
3	3.1	9	2.8	15	3.0	21	3.3	27	2.1
4	3.0	10	1.0	16	2.0	22	3.4	28	3.0
5	3.0	11	2.5	17	1.1	23	1.4	29	3.0
6	2.6	12	3.3	18	3.3	24	3.0	30	3.1
								31	3.1

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. 128

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

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

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

System ID
MONTH

250008-01
August 2019

Aug 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	16.1	0.74	0.21	0.29
2	12.6	0.49	0.25	0.19
3	10.2	0.41	0.22	0.21
4	6.35	0.40	0.21	0.20
5	7.47	0.63	0.20	0.21
6	8.35	0.45	0.11	0.20
7	7.32	0.48	0.14	0.21
8	8.06	0.40	0.22	0.20
9	7.77	0.37	0.20	0.18
10	7.67	0.40	0.23	0.21
11	8.89	0.58	0.20	0.20
12	9.94	0.46	0.26	0.22
13	15.0	0.39	0.23	0.20
14	6.84	0.33	0.19	0.21
15	6.59	0.28	0.19	0.19
16	5.69	0.32	0.23	0.21
17	5.94	0.38	0.24	0.21
18	7.58	0.64	0.20	0.21
19	6.84	0.49	0.20	0.19
20	6.43	0.25	0.26	0.18
21	5.61	0.31	0.23	0.19
22	6.81	0.34	0.18	0.22
23	6.53	0.32	0.19	0.17
24	8.57	0.59	0.19	0.17
25	11.1	0.31	0.18	0.19
26	7.45	0.85	0.22	0.21
27	18.2	0.38	0.20	0.17
28	13.4	0.47	0.21	0.22
29	10.8	0.40	0.22	0.29
30	8.86	0.84	0.24	0.21
31	10.2	0.53	0.23	0.20
MIN	5.61	0.25	0.11	0.17
MAX	18.2	0.85	0.26	0.29
AVG	9.00	0.46	0.21	0.19

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

System ID
MONTH

250008-01
August 2019

Aug 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.17	0.18	0.19	0.29	0.21	0.21
2	0.19	0.18	0.19	0.19	0.19	0.18
3	0.18	0.19	0.19	0.19	0.21	0.20
4	0.20	0.19	0.19	0.19	0.19	0.19
5	0.20	0.19	0.21	0.21	0.21	0.19
6	0.18	0.18	0.19	0.19	0.20	0.20
7	0.21	0.18	0.18	0.19	0.19	0.19
8	0.19	0.20	0.19	0.20	0.19	0.18
9	0.18	0.18	0.18	0.17	0.18	0.18
10	0.18	0.17	0.18	0.18	0.20	0.21
11	0.20	0.19	0.20	0.20	0.20	0.20
12	0.21	0.20	0.21	0.20	0.22	0.20
13	0.19	0.18	0.20	0.20	0.19	0.18
14	0.19	0.18	0.18	0.21	0.20	0.19
15	0.18	0.17	0.17	0.18	0.19	0.19
16	0.19	0.19	0.20	0.20	0.20	0.21
17	0.19	0.20	0.19	0.20	0.21	0.20
18	0.20	0.21	0.20	0.19	0.20	0.19
19	0.19	0.19	0.19	0.18	0.18	0.18
20	0.17	0.17	0.18	0.18	0.18	0.18
21	0.18	0.19	0.17	0.18	0.18	0.17
22	0.16	0.17	0.16	0.17	0.22	0.17
23	0.17	0.17	0.17	0.17	0.17	0.16
24	0.17	0.17	0.17	0.16	0.17	0.17
25	0.18	0.17	0.18	0.19	0.19	0.19
26	0.18	0.18	0.19	0.21	0.19	0.18
27	0.17	0.16	0.16	0.17	0.17	0.17
28	0.18	0.18	0.17	0.22	0.18	0.19
29	0.19	0.19	0.29	0.25	0.20	0.20
30	0.19	0.18	0.20	0.21	0.20	0.19
31	0.19	0.20	0.19	0.19	0.19	0.18
MIN	0.16	0.16	0.16	0.16	0.17	0.16
MAX	0.21	0.21	0.29	0.29	0.22	0.21
AVG	0.19	0.18	0.19	0.20	0.19	0.19

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

System ID
MONTH

250008-01
August 2019

Aug 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.2	3.6	3.2	3.3	3.6	2.4
2	3.5	3.4	3.4	3.3	3.2	3.5
3	3.7	3.5	3.6	3.3	3.1	3.4
4	3.2	3.2	3.0	3.0	3.3	3.1
5	3.0	3.2	3.2	3.1	3.1	3.2
6	3.3	3.7	3.0	2.6	3.1	3.0
7	3.1	3.1	3.2	3.0	2.9	3.2
8	3.2	3.3	3.1	3.0	3.0	3.1
9	3.3	3.2	3.0	2.9	2.8	2.9
10	2.8	2.9	3.0	3.4	3.8	1.0
11	2.5	3.1	3.2	3.1	3.2	3.3
12	3.4	3.5	3.6	3.8	3.5	3.3
13	3.1	3.1	2.9	3.4	3.0	3.2
14	3.1	3.0	3.2	3.0	3.0	3.2
15	3.1	3.1	3.1	3.2	3.0	3.3
16	3.1	3.4	3.3	2.1	2.6	2.0
17	2.1	2.0	2.5	1.1	1.7	3.5
18	4.0	4.0	4.0	3.9	3.8	3.3
19	3.1	3.0	2.8	2.6	2.5	2.7
20	3.8	4.0	4.0	4.0	4.0	3.5
21	3.3	3.5	3.6	3.5	3.5	3.6
22	3.5	3.5	3.5	4.0	3.4	3.4
23	2.0	1.4	2.3	2.9	3.3	3.3
24	3.6	3.4	3.3	3.6	3.4	3.0
25	3.1	3.8	3.3	2.9	2.8	3.0
26	3.6	3.2	3.3	2.7	2.6	2.6
27	2.6	2.1	3.0	2.9	3.2	3.9
28	3.0	3.0	3.1	4.0	3.1	3.0
29	3.1	3.2	3.7	3.3	3.0	3.1
30	3.1	3.2	3.2	3.1	4.0	3.3
31	3.3	3.4	3.6	3.7	3.4	3.1
MIN	2.0	1.4	2.3	1.1	1.7	1.0
MAX	4.0	4.0	4.0	4.0	4.0	3.9
AVG	3.2	3.2	3.2	3.1	3.1	3.1

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID 250008
Month of August 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	33				
2					
3					
4					
5	4				
6	68				
7	21				
8	2				
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
Total	128	0	0	0	0

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

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

Aug-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
	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						1.45
	OBC HS2						1.37
	JHF HS1						1.34
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.40

**CITY OF JACKSON
CORROSION CONTROL DATA**

August 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	9.3	25	18	9.5	75	28
	1500 - 2300	9.2	24	17	9.4	71	27
	2300 - 0700	8.8	23	20	9.4	68	26
2	0700 - 1500	9.6	26	22	9.4	85	26
	1500 - 2300	9.3	26	22	9.6	80	32
	2300 - 0700	9.3	27	26	9.1	87	31
3	0700 - 1500	9.1	25	23	9.6	79	28
	1500 - 2300	9.3	28	25	9.3	85	24
	2300 - 0700	9.3	30	24	9.3	83	26
4	0700 - 1500	9.4	30	23	9.2	82	32
	1500 - 2300	9.3	31	22	9.1	81	35
	2300 - 0700	9.2	28	22	9.5	84	31
5	0700 - 1500	9.0	27	23	9.2	67	40
	1500 - 2300	9.1	27	22	9.3	82	35
	2300 - 0700	8.9	29	25	9.3	85	30
6	0700 - 1500	9.0	29	20	9.3	71	34
	1500 - 2300	9.5	32	30	9.3	70	25
	2300 - 0700	9.2	30	28	9.5	77	29
7	0700 - 1500	9.4	30	27	9.6	89	33
	1500 - 2300	8.8	30	28	10.0	96	45
	2300 - 0700	9.1	30	27	9.2	73	27
8	0700 - 1500	9.3	28	24	9.4	69	28
	1500 - 2300	9.1	30	24	9.2	79	38
	2300 - 0700	9.1	29	22	9.5	81	33
9	0700 - 1500	9.1	25	22	9.5	79	34
	1500 - 2300	9.2	29	25	9.5	83	30
	2300 - 0700	9.1	30	24	9.8	82	32
10	0700 - 1500	9.3	28	25	9.6	72	24
	1500 - 2300	9.2	31	27	9.6	72	32
	2300 - 0700	9.2	29	27	9.7	71	33
11	0700 - 1500	9.4	28	24	9.4	74	34
	1500 - 2300	9.0	27	22	9.4	81	31
	2300 - 0700	8.8	28	25	9.6	82	36

**CITY OF JACKSON
CORROSION CONTROL DATA**

August 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	9.4	30	22	9.3	77	35
	1500 - 2300	9.3	31	24	9.3	80	34
	2300 - 0700	9.1	30	23	9.7	72	33
13	0700 - 1500	9.0	30	21	9.6	74	30
	1500 - 2300	8.9	29	23	9.5	86	36
	2300 - 0700	9.0	28	28	9.4	72	28
14	0700 - 1500	9.3	30	25	9.6	61	24
	1500 - 2300	8.7	28	23	9.5	86	29
	2300 - 0700	9.1	28	23	9.8	81	32
15	0700 - 1500	9.6	27	22	9.6	81	30
	1500 - 2300	9.6	29	24	9.7	76	31
	2300 - 0700	9.5	30	24	9.8	72	31
16	0700 - 1500	9.5	24	18	9.9	73	27
	1500 - 2300	9.4	29	24	9.2	80	32
	2300 - 0700	9.3	27	26	9.4	73	26
17	0700 - 1500	9.1	28	24	9.6	82	30
	1500 - 2300	9.1	26	20	9.4	81	31
	2300 - 0700	9.1	29	23	9.1	79	35
18	0700 - 1500	9.3	27	22	9.0	72	28
	1500 - 2300	9.2	31	25	9.2	83	28
	2300 - 0700	9.1	34	29	9.7	89	36
19	0700 - 1500	9.2	33	15	9.4	69	29
	1500 - 2300	9.4	29	23	9.5	66	36
	2300 - 0700	9.1	25	23	9.8	90	37
20	0700 - 1500	9.1	28	25	9.4	64	26
	1500 - 2300	9.3	26	22	9.6	69	19
	2300 - 0700	9.2	25	24	9.8	83	35
21	0700 - 1500	8.7	30	24	9.2	55	24
	1500 - 2300	9.0	31	24	9.4	89	32
	2300 - 0700	9.0	29	24	9.4	92	28
22	0700 - 1500	9.1	38	33	9.8	82	32
	1500 - 2300	9.2	35	30	9.3	88	35
	2300 - 0700	9.1	32	31	9.5	82	31

**CITY OF JACKSON
CORROSION CONTROL DATA**

August 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	9.2	27	21	9.4	64	33
	1500 - 2300	9.2	26	24	9.4	72	46
	2300 - 0700	9.3	28	24	9.6	72	30
24	0700 - 1500	9.3	30	28	9.2	79	29
	1500 - 2300	9.5	24	20	9.5	70	30
	2300 - 0700	9.3	29	28	9.4	96	35
25	0700 - 1500	9.2	33	31	9.8	86	38
	1500 - 2300	9.2	30	27	9.5	77	48
	2300 - 0700	9.2	31	24	9.3	85	31
26	0700 - 1500	9.0	39	24	9.4	72	35
	1500 - 2300	9.3	32	28	9.4	73	31
	2300 - 0700	9.1	38	30	9.7	82	34
27	0700 - 1500	9.3	27	19	9.4	60	25
	1500 - 2300	9.0	29	26	9.3	87	29
	2300 - 0700	9.2	27	23	9.9	95	33
28	0700 - 1500	9.1	29	23	9.6	66	26
	1500 - 2300	9.1	30	24	9.4	80	23
	2300 - 0700	9.1	25	24	9.6	76	26
29	0700 - 1500	9.0	28	27	9.3	69	39
	1500 - 2300	9.2	20	15	9.5	72	31
	2300 - 0700	9.3	30	24	9.4	68	22
30	0700 - 1500	9.2	27	20	9.4	63	29
	1500 - 2300	9.2	28	20	9.1	64	21
	2300 - 0700	9.1	30	23	9.8	79	26
31	0700 - 1500	9.1	31	27	9.6	74	22
	1500 - 2300	9.1	31	28	9.2	80	25
	2300 - 0700	9.1	30	23	9.3	71	22
MONTHLY MIN		8.7	20	15	9.0	55	19
MONTHLY MAX		9.6	39	33	10.0	96	48
MONTHLY AVG		9.2	29	24	9.5	77	31

*OBC: pHs <9.0 due to membrane flow changes caused by microscreen failure and ammonia feed line issues.

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Total Off-Specification Volume (MG) = 0

Date	UV Reactor #1					UV Reactor #2					UV Reactor #3				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm ²)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm ²)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm ²)	Min Flow Rate (MGD)	Min UVT (%)
8/1/2019	24.0	2222657	40	2.2	85	24.0	2023641	34	2.0	85	24.0	2035948	42	2.0	89
8/2/2019	21.3	2220510	48	2.2	85	22.8	1961051	158	2.0	85	22.3	2004455	111	2.0	87
8/3/2019	21.6	2150679	36	2.2	85	23.2	2264180	121	2.3	85	23.6	2023651	53	2.0	88
8/4/2019	23.2	2463192	36	2.5	85	23.3	1846738	104	1.8	85	23.5	2292958	49	2.3	88
8/5/2019	22.8	2537878	34	2.5	85	23.2	1915473	113	1.9	85	22.0	2364400	44	2.4	89
8/6/2019	19.9	2492318	30	2.5	85	22.4	1980318	167	2.0	85	24.0	2389317	36	2.4	89
8/7/2019	19.2	2309887	31	2.3	85	22.8	2073254	144	2.1	85	22.2	2034596	105	2.0	87
8/8/2019	21.9	2103674	37	2.1	85	24.0	1988753	34	2.0	85	24.0	2056268	41	2.1	89
8/9/2019	21.5	2349608	34	2.3	85	23.1	1815574	126	1.8	85	23.5	2162591	38	2.2	87
8/10/2019	24.0	2381579	38	2.4	85	23.4	1952345	113	2.0	85	23.5	2139230	62	2.1	88
8/11/2019	23.5	2312055	39	2.3	85	23.5	2152997	88	2.2	85	23.4	2136645	73	2.1	87
8/12/2019	19.1	2254718	48	2.3	85	22.9	2184785	76	2.2	85	21.1	2075015	69	2.1	87
8/13/2019	22.5	2292844	36	2.3	85	22.8	2011501	145	2.0	85	23.2	2146949	71	2.1	88
8/14/2019	23.6	2381895	37	2.4	85	23.7	1634877	84	1.6	85	24.0	2223100	37	2.2	89
8/15/2019	19.0	2252636	86	2.3	85	23.4	2110666	78	2.1	85	23.8	2082168	62	2.1	87
8/16/2019	23.2	2044709	42	2.0	85	23.8	2079892	55	2.1	85	23.4	1854507	79	1.9	87
8/17/2019	23.8	2182078	64	2.2	85	23.8	2020608	45	2.0	85	21.4	1990796	61	2.0	88
8/18/2019	7.8	2404349	35	2.4	85	22.8	1861989	125	1.9	85	23.0	2164507	60	2.2	88
8/19/2019	11.1	2421227	18	2.4	85	22.9	1821063	137	1.8	85	24.0	2296103	37	2.3	89
8/20/2019	10.7	2322961	20	2.3	85	24.0	2194144	32	2.2	85	23.4	2094848	85	2.1	88
8/21/2019	24.0	2275747	39	2.3	85	24.0	2138079	32	2.1	85	24.0	2092124	40	2.1	89
8/22/2019	14.6	2843807	37	2.8	85	23.6	1973998	68	2.0	85	23.5	2645707	56	2.6	87
8/23/2019	24.0	3784971	27	3.8	85	23.4	1791475	93	1.8	85	23.6	3450766	49	3.5	88
8/24/2019	18.9	3535744	30	3.5	85	24.0	1790901	37	1.8	85	24.0	3420869	28	3.4	89
8/25/2019	22.8	3325227	30	3.3	85	21.5	1840022	90	1.8	85	23.1	3077991	75	3.1	88
8/26/2019	21.3	2671054	56	2.7	85	22.4	2387051	41	2.4	85	22.9	2377071	39	2.4	89
8/27/2019	15.9	2663354	36	2.7	85	22.7	2447768	28	2.4	85	23.5	2523387	81	2.5	88
8/28/2019	24.0	2407670	39	2.4	85	24.0	2425606	30	2.4	85	24.0	2221896	40	2.2	89
8/29/2019	23.3	2331034	37	2.3	85	23.4	2293283	31	2.3	85	24.0	2208790	39	2.2	88
8/30/2019	23.7	2446201	37	2.4	85	24.0	2186982	32	2.2	85	23.4	2173819	118	2.2	88
8/31/2019	15.2	2326810	41	2.3	85	23.2	1841065	35	1.8	85	24.0	2233510	38	2.2	88

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Total Off-Specification Volume (MG) = 0

Date	UV Reactor #4					UV Reactor #5					UV Reactor #6				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm ²)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm ²)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm ²)	Min Flow Rate (MGD)	Min UVT (%)
8/1/2019	24.0	2264644	42	2.3	95	24.0	1936156	91	1.9	93	24.0	2235943	54	2.2	85
8/2/2019	22.2	2201233	38	2.2	95	24.0	1875105	88	1.9	91	22.7	2236356	51	2.2	85
8/3/2019	20.2	2248402	35	2.2	95	24.0	2340660	119	2.3	91	22.9	2152792	52	2.2	85
8/4/2019	23.2	2503751	48	2.5	95	24.0	2203805	81	2.2	92	23.4	2492894	47	2.5	85
8/5/2019	23.2	2578747	48	2.6	95	24.0	2102452	148	2.1	92	23.2	2507409	59	2.5	85
8/6/2019	24.0	2634625	37	2.6	95	24.0	1801866	123	1.8	90	23.8	2574011	47	2.6	85
8/7/2019	23.4	2355391	62	2.4	95	24.0	1988331	127	2.0	91	23.5	2327696	84	2.3	85
8/8/2019	23.4	2227527	52	2.2	95	24.0	2178429	99	2.2	90	22.6	2099720	51	2.1	85
8/9/2019	23.3	2367361	50	2.4	95	24.0	2163168	100	2.2	91	24.0	2418864	49	2.4	85
8/10/2019	22.6	2358865	49	2.4	95	24.0	2142725	122	2.1	92	23.1	2300844	60	2.3	85
8/11/2019	23.2	2336584	50	2.3	95	24.0	2102382	80	2.1	91	23.5	2341302	61	2.3	85
8/12/2019	22.8	2242854	50	2.2	95	24.0	2218306	47	2.2	92	23.9	2312848	63	2.3	85
8/13/2019	24.0	2457436	39	2.5	95	24.0	2019186	102	2.0	91	23.6	2371386	49	2.4	85
8/14/2019	23.4	2396508	38	2.4	95	24.0	2139987	88	2.1	90	23.7	2396440	60	2.4	85
8/15/2019	23.6	2316913	51	2.3	95	24.0	2217534	97	2.2	91	23.3	2233217	62	2.2	85
8/16/2019	23.3	2059517	111	2.1	95	24.0	2232840	77	2.2	91	23.2	2069335	67	2.1	85
8/17/2019	23.2	2128201	164	2.1	95	24.0	2236564	117	2.2	91	24.0	2232174	54	2.2	85
8/18/2019	24.0	2482234	38	2.5	95	24.0	2332447	76	2.3	93	23.2	2362423	71	2.4	85
8/19/2019	23.6	2469719	72	2.5	95	24.0	2156577	131	2.2	91	23.2	2412400	59	2.4	85
8/20/2019	23.4	2321529	39	2.3	95	24.0	2218863	106	2.2	91	24.0	2367647	51	2.4	85
8/21/2019	17.9	1684719	212	1.7	95	24.0	2470175	72	2.5	93	23.6	2240467	52	2.2	85
8/22/2019	OFFLINE					24.0	1872405	243	1.9	91	24.0	2937304	43	2.9	85
8/23/2019						24.0	2096908	161	2.1	92	23.4	3709366	34	3.7	85
8/24/2019						24.0	2775341	77	2.8	92	24.0	3678160	36	3.7	85
8/25/2019	9.6	1181885	35	1.2	95	24.0	2650914	72	2.7	92	23.2	3296044	50	3.3	85
8/26/2019	19.1	2594661	65	2.6	95	24.0	2738764	79	2.7	93	24.0	2598558	41	2.6	85
8/27/2019	23.3	2743935	34	2.7	95	24.0	2532266	77	2.5	93	24.0	2698715	46	2.7	85
8/28/2019	24.0	2451421	39	2.5	95	24.0	2391449	77	2.4	92	24.0	2424309	54	2.4	85
8/29/2019	23.5	2369444	38	2.4	95	24.0	2349169	77	2.3	93	24.0	2367545	47	2.4	85
8/30/2019	24.0	2455800	38	2.5	95	24.0	2358767	72	2.4	91	24.0	2412002	23	2.4	85
8/31/2019	23.5	2392969	37	2.4	95	24.0	2376466	72	2.4	92	24.0	2438127	37	2.4	85

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-01

Total Off-Specification Volume (MG) = 0

Date	Min Flow Rate (MGD)	Total Production (Gals)	UV Reactor #1			UV Reactor #2			UV Reactor #3			UV Reactor #4				
			Run Time (Hrs)	Calc Min Dose (mJ/cm 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 (%)		
8/1/2019	10.5	10472465	24.0	22	85	OFFLINE					24.0	28	87			
8/2/2019	10.5	10497847	24.0	22	85						24.0	27	87			
8/3/2019	10.5	10472517	24.0	22	85						24.0	28	87			
8/4/2019	10.4	10418733	24.0	22	85						24.0	27	87			
8/5/2019	10.5	10481198	24.0	21	85						24.0	27	87			
8/6/2019	10.4	10441684	24.0	21	85						24.0	27	87			
8/7/2019	10.4	10426458	24.0	21	85						24.0	26	87			
8/8/2019	10.3	10256410	9.3	18	85	8.3	29	85	24.0	25	87					
8/9/2019	10.2	10170724	3.9	31	85	16.2	17	85	24.0	25	87					
8/10/2019	10.4	10411510	24.0	26	85	OFFLINE					24.0	25	87			
8/11/2019	10.4	10406389	24.0	25	85						24.0	24	87			
8/12/2019	10.4	10389236	24.0	25	85						24.0	25	87			
8/13/2019	10.4	10392986	24.0	27	85						24.0	24	87			
8/14/2019	10.3	10332795	24.0	28	85						24.0	24	87			
8/15/2019	10.4	10427830	24.0	28	85						24.0	24	87			
8/16/2019	10.4	10362483	24.0	29	85						24.0	25	87			
8/17/2019	10.4	10408941	24.0	26	85	OFFLINE					24.0	25	87			
8/18/2019	10.4	10370662	24.0	27	85						24.0	24	87			
8/19/2019	10.4	10435920	24.0	26	85						24.0	25	87			
8/20/2019	10.3	10349757	8.6	28	85						12.4	26	85	21.7	23	87
8/21/2019	10.9	10854462	OFFLINE								24.0	25	85	7.1	27	87
8/22/2019	10.5	10544809									24.0	25	85	15.0	15	87
8/23/2019	10.4	10436667									24.0	25	85	18.0	18	87
8/24/2019	10.5	10516163				24.0	26	85	11.9	24	87					
8/25/2019	10.4	10438767				24.0	26	85	17.4	18	87					
8/26/2019	10.6	10598720				24.0	26	85	11.9	24	87					
8/27/2019	10.6	10579198				9.0	27	85	24.0	26	87					
8/28/2019	10.6	10578243	6.4	30	85	5.2	28	85	24.0	25	87					
8/29/2019	10.9	10901128	24.0	26	85	OFFLINE					13.1	24	87			
8/30/2019	11.0	10972309	24.0	27	85						12.2	26	87			
8/31/2019	10.9	10921788	24.0	27	85						12.4	26	87			