

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

System ID **250008-02**
Month of **November 2018**

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

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 99.7%

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

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

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

1	1.5	7	1.9	13	2.8	19	2.7	25	2.2
2	1.7	8	2.5	14	2.7	20	2.5	26	2.3
3	2.4	9	2.6	15	1.9	21	2.7	27	2.5
4	2.7	10	2.6	16	2.4	22	2.7	28	2.5
5	2.7	11	2.7	17	2.8	23	2.7	29	2.6
6	2.1	12	1.9	18	2.5	24	2.5	30	1.1

6. Date and duration of each period the disinfectant fell below 0.2 mg/l for more than an hour while entering the distribution system. NONE

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 125

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

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

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

System ID
 Month Of

250008-02
 November 2018

Nov 2018	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	6.51	0.36	0.08
2	6.71	0.31	0.08
3	10.1	0.20	0.08
4	8.39	0.19	0.15
5	9.53	1.00	0.14
6	7.51	0.60	0.13
7	6.53	0.65	0.09
8	10.5	0.24	0.09
9	11.6	0.31	0.10
10	6.81	0.29	0.10
11	9.48	0.25	0.16
12	5.96	0.40	0.13
13	13.7	0.47	0.08
14	10.6	1.09	0.18
15	11.0	0.97	0.29
16	18.1	0.53	0.19
17	7.81	0.58	0.33
18	6.29	0.38	0.28
19	6.40	0.45	0.12
20	12.1	0.41	0.13
21	14.8	0.69	0.12
22	11.8	0.32	0.12
23	10.9	0.48	0.17
24	9.46	0.49	0.15
25	10.7	0.52	0.11
26	11.5	0.81	0.13
27	12.7	0.71	0.14
28	10.1	0.62	0.28
29	38.7	1.36	0.22
30	18.9	0.88	0.22
MIN	5.96	0.19	0.08
MAX	38.7	1.36	0.33
AVG	11.2	0.55	0.11

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

System ID
Month Of

250008-02
November 2018

Nov 2018	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	0.07	0.08	0.08
2	0.08	0.08	0.08	0.08	0.08	0.08
3	0.08	0.08	0.08	0.08	0.08	0.08
4	0.07	0.08	0.15	0.15	0.08	0.15
5	0.14	0.14	0.14	0.08	0.09	0.09
6	0.08	0.09	0.13	0.09	0.12	0.13
7	0.08	0.09	0.09	0.08	0.08	0.08
8	0.09	0.08	0.08	0.08	0.08	0.08
9	0.07	0.08	0.07	0.07	0.08	0.10
10	0.09	0.09	0.09	0.09	0.10	0.10
11	0.13	0.10	0.16	0.07	0.13	0.15
12	0.07	0.12	0.13	0.07	0.07	0.07
13	0.07	0.07	0.07	0.07	0.08	0.08
14	0.09	0.10	0.13	0.18	0.15	0.17
15	0.29	0.18	0.17	0.18	0.20	0.13
16	0.16	0.19	0.10	0.12	0.13	0.17
17	0.19	0.21	0.16	0.17	0.18	0.33
18	0.28	0.20	0.08	0.07	0.08	0.07
19	0.07	0.07	0.12	0.07	0.07	0.07
20	0.08	0.07	0.07	0.07	0.09	0.13
21	0.12	0.10	0.08	0.08	0.08	0.09
22	0.09	0.10	0.10	0.10	0.10	0.12
23	0.14	0.13	0.13	0.15	0.15	0.17
24	0.07	0.09	0.15	0.07	0.08	0.07
25	0.07	0.07	0.08	0.08	0.09	0.11
26	0.12	0.13	0.13	0.13	0.13	0.12
27	0.11	0.12	0.14	0.14	0.14	0.12
28	0.13	0.12	0.15	0.12	0.13	0.28
29	0.15	0.22	0.21	0.20	0.08	0.09
30	0.22	0.14	0.16	0.21	0.19	0.18
MIN	0.07	0.07	0.07	0.07	0.07	0.07
MAX	0.29	0.22	0.21	0.21	0.20	0.33
AVG	0.12	0.11	0.12	0.11	0.11	0.12

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

System ID
Month Of

250008-02
November 2018

Nov 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.1	3.1	3.1	1.9	2.0	1.5
2	1.7	3.2	3.7	3.7	3.7	2.1
3	3.2	2.4	3.0	3.2	3.1	3.1
4	3.0	3.0	2.9	2.7	2.7	2.8
5	2.8	2.8	3.0	2.8	2.7	2.7
6	2.5	2.5	2.5	2.1	2.7	2.8
7	1.9	2.5	2.7	2.6	2.6	2.6
8	2.6	2.7	2.7	2.5	2.5	2.5
9	2.7	2.7	2.6	2.6	2.6	2.6
10	2.7	2.6	2.6	2.7	2.8	2.8
11	2.9	2.9	2.8	2.7	2.7	2.7
12	2.6	2.7	2.8	1.9	1.9	2.4
13	2.8	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.8	2.8	2.8	2.7
15	2.8	2.6	2.4	2.4	1.9	1.9
16	2.4	2.7	2.7	2.6	2.6	2.8
17	2.9	2.9	2.8	2.9	2.9	2.9
18	2.7	2.6	2.5	2.5	3.1	2.8
19	2.8	2.8	2.8	2.7	2.7	2.7
20	2.5	2.5	2.7	2.7	2.6	2.5
21	2.7	2.9	2.8	2.9	2.8	2.8
22	2.8	2.8	2.8	2.8	2.8	2.7
23	2.7	2.7	2.7	2.7	2.7	2.7
24	2.5	2.5	2.6	2.6	2.6	2.7
25	2.7	2.7	2.6	2.2	2.2	2.5
26	2.6	2.6	2.3	2.8	2.3	2.5
27	2.5	2.7	2.8	2.8	2.8	2.7
28	2.7	2.7	2.6	2.5	2.5	2.7
29	2.7	2.6	2.7	2.6	2.7	2.9
30	2.7	2.4	3.4	2.3	1.2	1.1
MIN	1.7	2.4	2.3	1.9	1.2	1.1
MAX	3.2	3.2	3.7	3.7	3.7	3.1
AVG	2.7	2.7	2.8	2.6	2.6	2.6

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

System ID **250008-02**
Month of **November 2018**

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. 99.74%

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	2.1	13	2.9	19	2.3	25	2.3
2	2.8		8	2.3	14	2.8	20	2.2	26	2.4
3	2.2		9	2.5	15	2.0	21	2.4	27	2.6
4	2.0		10	2.4	16	2.5	22	2.8	28	2.7
5	1.9		11	2.6	17	2.9	23	2.7	29	2.9
6	1.9		12	2.6	18	2.4	24	2.4	30	1.9

6. Date and duration of each period the disinfectant fell below 0.2 mg/l for more than an hour while entering the distribution system. NONE

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 125

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

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

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

System ID
 Month Of

250008-02
 November 2018

Nov 2018	TURBIDITIES (NTU)	
	RAW	TRAINS
1	6.51	0.12
2	6.71	0.16
3	10.1	0.13
4	8.39	0.18
5	9.53	0.19
6	7.51	0.15
7	6.53	0.15
8	10.5	0.16
9	11.6	0.16
10	6.81	0.18
11	9.48	0.16
12	5.96	0.19
13	13.7	0.18
14	10.6	0.18
15	11.0	0.18
16	18.1	0.18
17	7.81	0.15
18	6.29	0.18
19	6.40	0.17
20	12.1	0.17
21	14.8	0.16
22	11.8	0.19
23	10.9	0.16
24	9.46	0.18
25	10.7	0.19
26	11.5	0.18
27	12.7	0.17
28	10.1	0.14
29	38.7	0.19
30	18.9	0.17
MIN	5.96	0.12
MAX	38.7	0.19
AVG	11.2	0.17

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

System ID
 Month Of

250008-02
 November 2018

Nov 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.06	0.08	0.06	0.12	0.06	0.09
2	0.11	0.13	0.16	0.06	0.10	0.09
3	0.13	0.10	0.06	0.10	0.11	0.06
4	0.06	0.15	0.18	0.06	0.06	0.15
5	0.06	0.06	0.10	0.10	0.19	0.16
6	0.13	0.15	OFF	0.14	0.14	0.13
7	0.06	0.06	0.06	0.07	0.06	0.15
8	0.16	0.06	0.06	0.12	0.10	0.11
9	0.16	0.14	0.05	0.11	0.10	0.14
10	0.16	0.16	0.18	0.09	0.16	0.13
11	0.16	0.10	0.07	0.16	0.08	0.16
12	0.15	0.08	0.16	0.07	0.11	0.19
13	0.18	0.07	0.14	0.08	0.08	0.10
14	0.10	0.10	0.09	0.08	0.18	0.13
15	0.17	0.18	0.16	OFF	OFF	0.13
16	0.13	0.15	0.06	0.18	0.06	0.14
17	0.14	0.06	0.10	0.05	0.13	0.15
18	0.14	0.13	0.16	0.18	0.14	0.16
19	0.16	0.14	0.12	0.14	0.17	0.16
20	0.15	0.16	0.17	0.16	0.16	0.16
21	0.16	0.16	0.16	0.13	0.16	0.10
22	0.13	0.14	0.16	0.19	0.18	0.17
23	0.15	0.15	0.10	0.11	0.11	0.16
24	0.15	0.17	0.10	0.12	0.15	0.18
25	0.18	0.16	0.19	0.18	0.16	0.15
26	0.15	0.15	0.15	0.18	0.18	0.16
27	0.17	0.15	0.15	0.17	0.10	0.13
28	0.14	0.13	0.13	0.14	0.14	0.09
29	0.10	0.12	0.19	0.18	0.18	0.15
30	0.13	0.17	0.13	0.12	0.14	0.13
MIN	0.06	0.06	0.05	0.05	0.06	0.06
MAX	0.18	0.18	0.19	0.19	0.19	0.19
AVG	0.13	0.13	0.12	0.12	0.13	0.14

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

System ID
Month Of

250008-02
November 2018

Nov 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.0	3.0	3.0	3.0	3.1	3.1
2	3.0	3.1	3.0	3.0	3.0	2.8
3	2.4	2.2	2.3	2.6	2.6	2.4
4	2.4	2.4	2.5	2.0	2.6	2.7
5	2.3	2.3	2.0	2.3	1.9	2.2
6	1.9	1.9	2.0	2.0	2.2	2.2
7	2.1	2.1	2.3	2.2	2.2	2.3
8	2.3	2.3	2.3	2.3	2.6	2.6
9	2.5	2.5	2.5	2.5	2.5	2.5
10	2.5	2.4	2.4	2.4	2.6	2.7
11	2.6	2.7	2.6	2.6	2.8	2.7
12	2.9	3.1	2.7	2.8	2.6	2.8
13	2.9	2.9	2.9	3.0	3.0	2.9
14	2.9	2.9	2.8	2.9	2.8	3.0
15	3.0	2.5	2.3	2.3	4.0	2.0
16	2.5	3.0	2.6	2.5	2.5	2.8
17	2.9	2.9	3.4	2.9	3.0	2.9
18	3.2	2.8	2.5	2.4	2.9	2.4
19	2.5	2.6	2.6	2.6	2.5	2.3
20	2.2	2.3	2.5	2.5	2.5	2.6
21	2.7	2.8	2.4	2.4	2.8	2.8
22	3.3	2.9	2.9	2.9	3.0	2.8
23	2.9	2.9	2.7	2.7	2.7	2.9
24	2.8	2.6	2.8	2.7	2.4	2.7
25	2.7	2.6	2.8	2.9	2.3	2.6
26	2.7	2.7	2.4	2.4	2.5	2.8
27	2.6	2.8	3.2	2.8	3.0	3.0
28	2.9	2.9	2.7	2.8	2.9	3.0
29	3.0	2.9	3.0	3.0	3.0	3.0
30	3.0	2.9	3.5	2.6	1.9	3.2
MIN	1.9	1.9	2.0	2.0	1.9	2.0
MAX	3.3	3.1	3.5	3.0	4.0	3.2
AVG	2.7	2.7	2.6	2.6	2.7	2.7

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

System ID **250008-01**
Month of **November 2018**

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	3.3	7	2.5	13	2.7	19	2.7	25	2.9
2	3.2	8	2.5	14	2.5	20	2.7	26	2.0
3	2.8	9	2.3	15	2.1	21	2.9	27	2.6
4	2.3	10	1.9	16	3.0	22	3.0	28	2.9
5	2.7	11	3.6	17	2.4	23	2.9	29	2.8
6	2.3	12	2.0	18	2.1	24	2.9	30	2.8

6. Date and duration of each period the disinfectant fell below 0.2 mg/l for more than an hour while entering the distribution system. NONE

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 125

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

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

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

System ID
MONTH

250008-01
November 2018

Nov 2018	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	29.4	0.21	0.16	0.10
2	9.89	0.25	0.17	0.10
3	8.66	0.28	0.15	0.11
4	16.5	0.26	0.18	0.13
5	82.5	0.28	0.19	0.12
6	10.0	0.31	0.16	0.10
7	89.8	0.25	0.17	0.14
8	18.1	0.26	0.18	0.13
9	15.7	0.26	0.18	0.12
10	16.8	0.22	0.15	0.10
11	6.56	0.31	0.17	0.10
12	45.4	0.92	0.21	0.16
13	35.2	0.35	0.19	0.12
14	90.0	0.37	0.16	0.13
15	27.3	0.65	0.19	0.12
16	11.4	0.59	0.17	0.12
17	10.6	0.35	0.19	0.10
18	8.72	0.43	0.17	0.10
19	83.5	0.41	0.16	0.11
20	8.37	0.38	0.15	0.10
21	10.2	0.41	0.16	0.11
22	90.0	0.36	0.16	0.09
23	18.5	0.25	0.17	0.10
24	13.6	0.39	0.12	0.13
25	42.4	0.40	0.14	0.12
26	14.5	1.18	0.20	0.12
27	27.1	0.77	0.15	0.17
28	57.1	0.68	0.14	0.17
29	17.1	0.70	0.21	0.21
30	12.8	0.53	0.17	0.15
MIN	6.56	0.21	0.12	0.09
MAX	90.0	1.18	0.21	0.21
AVG	30.9	0.43	0.17	0.11

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

System ID
MONTH

250008-01
November 2018

Nov 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.08	0.09	0.09	0.10	0.09	0.10
2	0.10	0.09	0.09	0.09	0.10	0.10
3	0.10	0.10	0.11	0.11	0.11	0.11
4	0.11	0.11	0.11	0.12	0.13	0.13
5	0.12	0.12	0.11	0.10	0.10	0.10
6	0.10	0.10	0.10	0.10	0.10	0.10
7	0.10	0.11	0.14	0.14	0.14	0.12
8	0.12	0.13	0.12	0.12	0.12	0.12
9	0.12	0.12	0.11	0.11	0.10	0.10
10	0.10	0.10	0.10	0.10	0.10	0.10
11	0.10	0.10	0.10	0.10	0.10	0.10
12	0.11	0.13	0.16	0.16	0.12	0.11
13	0.11	0.11	0.12	0.12	0.12	0.12
14	0.13	0.12	0.13	0.12	0.12	0.11
15	0.12	0.11	0.12	0.12	0.11	0.11
16	0.11	0.11	0.12	0.11	0.10	0.10
17	0.10	0.08	0.09	0.10	0.10	0.10
18	0.10	0.09	0.09	0.09	0.09	0.09
19	0.09	0.09	0.09	0.11	0.09	0.08
20	0.09	0.09	0.09	0.10	0.10	0.10
21	0.10	0.10	0.10	0.11	0.10	0.10
22	0.09	0.09	0.09	0.09	0.09	0.09
23	0.09	0.09	0.09	0.10	0.10	0.10
24	0.10	0.09	0.10	0.13	0.12	0.10
25	0.10	0.10	0.10	0.10	0.10	0.12
26	0.12	0.11	0.11	0.11	0.10	0.11
27	0.11	0.12	0.17	0.14	0.11	0.12
28	0.16	0.16	0.14	0.14	0.14	0.17
29	0.19	0.21	0.19	0.19	0.20	0.19
30	0.15	0.11	0.12	0.09	0.11	0.11
MIN	0.08	0.08	0.09	0.09	0.09	0.08
MAX	0.19	0.21	0.19	0.19	0.20	0.19
AVG	0.11	0.11	0.11	0.11	0.11	0.11

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

System ID
MONTH

250008-01
November 2018

Nov 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.5	3.3	3.5	3.3	3.5	3.3
2	3.2	3.7	3.9	3.5	3.2	3.2
3	2.8	3.0	2.8	3.0	3.0	3.0
4	2.7	3.0	2.8	2.4	2.3	2.4
5	2.7	2.7	2.7	2.9	2.8	2.7
6	2.5	2.8	2.4	2.3	2.7	2.8
7	2.6	3.3	2.5	2.7	3.1	2.9
8	3.5	2.8	3.6	3.5	2.5	2.6
9	2.9	3.0	3.5	2.9	3.0	2.3
10	3.3	2.5	3.8	3.5	3.4	1.9
11	3.6	4.0	3.8	4.0	4.0	4.0
12	3.1	3.3	3.2	3.5	3.2	2.0
13	2.7	2.8	2.8	2.8	3.0	2.7
14	2.7	2.7	2.5	3.0	2.7	2.6
15	2.4	2.6	2.5	2.1	3.0	2.3
16	3.3	3.1	3.0	3.2	3.2	3.0
17	3.0	2.8	2.8	3.2	2.5	2.4
18	2.5	2.1	2.4	2.4	2.2	2.1
19	2.7	2.8	3.6	2.7	3.2	2.9
20	3.0	3.0	2.7	3.5	2.9	3.0
21	3.0	3.0	2.9	3.0	3.0	3.0
22	3.1	3.0	3.0	3.3	3.0	3.0
23	3.0	2.9	3.0	2.9	3.0	3.0
24	3.0	3.0	3.0	2.9	2.9	2.9
25	3.0	3.1	3.0	3.0	2.9	2.9
26	2.8	2.2	3.3	2.6	2.0	2.0
27	3.2	3.0	2.6	2.6	3.1	3.0
28	2.9	2.9	2.9	2.9	3.6	3.2
29	3.2	3.2	2.9	2.8	2.9	2.9
30	3.2	3.0	2.8	2.8	3.0	2.8
MIN	2.4	2.1	2.4	2.1	2.0	1.9
MAX	3.6	4.0	3.9	4.0	4.0	4.0
AVG	3.0	2.9	3.0	3.0	2.9	2.8

CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA

System ID **250008**
Month of **November 2018**

	No. of sites, disinfectant residual measured (a)	No. of sites, no disinfectant measured, HPC measured (b)	No. of sites, disinfectant residual not detected, no HPC measured (c)	No. of sites, disinfectant residual not detected. HPC> 500/ml (d)	No. of sites, disinfectant residual not measured. HPC > 500/ml (e)
DATE	COL 2	COL 3	COL 4	COL 5	COL 6
1					
2					
3					
4					
5	40				
6	50				
7	12				
8	23				
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

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

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

Nov-18	SYSTEM ID: 250008-02		SYSTEM ID: 250008-01	
	O.B. CURTIS		J. H. FEWELL	
	ClO ₂	ClO ⁻	ClO ₂	ClO ⁻
1	OFF	OFF	0.19	0.00
2	OFF	OFF	OFF	OFF
3	OFF	OFF	OFF	OFF
4	OFF	OFF	OFF	OFF
5	OFF	OFF	OFF	OFF
6	OFF	OFF	OFF	OFF
7	OFF	OFF	OFF	OFF
8	OFF	OFF	OFF	OFF
9	OFF	OFF	OFF	OFF
10	OFF	OFF	OFF	OFF
11	OFF	OFF	OFF	OFF
12	OFF	OFF	OFF	OFF
13	OFF	OFF	OFF	OFF
14	OFF	OFF	OFF	OFF
15	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF
17	OFF	OFF	OFF	OFF
18	OFF	OFF	OFF	OFF
19	OFF	OFF	OFF	OFF
20	OFF	OFF	OFF	OFF
21	OFF	OFF	OFF	OFF
22	OFF	OFF	OFF	OFF
23	OFF	OFF	OFF	OFF
24	OFF	OFF	OFF	OFF
25	OFF	OFF	OFF	OFF
26	OFF	OFF	OFF	OFF
27	OFF	OFF	OFF	OFF
28	OFF	OFF	OFF	OFF
29	OFF	OFF	OFF	OFF
30	OFF	OFF	OFF	OFF

DISTRIBUTION SITES			
DATE	SITE	ClO ₂	ClO ⁻
	Olympia		
	Boling St		
	John Hopkins		

**CITY OF JACKSON
TOC REMOVAL SUMMARY**

2018

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
1/9/2018	OBC HS1	12	8.2	3.9	52.4	50.0	1.05
	OBC HS2	12	8.2	4.1	50.0	50.0	1.00
	JHF HS1	26	8.3	5.2	37.3	50.0	0.75
1/19/2018	OBC HS1	13	6.8	3.1	54.4	50.0	1.09
	OBC HS2	13	6.8	2.2	67.6	50.0	1.35
	JHF HS1	20	7.2	2.0	72.2	50.0	1.44
1/31/2018	OBC HS1	12	4.2	1.9	54.8	45.0	1.22
	OBC HS2	12	4.2	1.3	69.0	45.0	1.53
	JHF HS1	17	5.3	1.1	79.2	45.0	1.76
2/5/2018	OBC HS1	15	7.7	1.9	75.3	45.0	1.67
	OBC HS2	15	7.7	2.7	64.9	45.0	1.44
	JHF HS1	16	9.7	1.4	85.6	50.0	1.71
2/12/2008	OBC HS1	15	8.7	3.7	57.5	50.0	1.15
	OBC HS2	15	8.7	4.0	54.0	50.0	1.08
	JHF HS1	15	11.5	4.2	63.5	50.0	1.27
2/21/2018	OBC HS1	11	14.4	4.3	70.1	50.0	1.40
	OBC HS2	11	14.4	5.1	64.6	50.0	1.29
	JHF HS1	11	13.5	5.4	60.0	50.0	1.20
2/27/2018	OBC HS1	11	12.5	4.3	65.6	50.0	1.31
	OBC HS2	11	12.5	4.8	61.6	50.0	1.23
	JHF HS1	11	12.9	3.9	69.8	50.0	1.40
3/5/2018	OBC HS1	12	6.8	3.9	42.6	45.0	0.95
	OBC HS2	12	6.8	4.1	39.7	45.0	0.88
	JHF HS1	11	8.1	3.5	56.8	50.0	1.14
3/14/2018	OBC HS1	12	11.7	3.7	68.4	50.0	1.37
	OBC HS2	12	11.7	4.8	59.0	50.0	1.18
	JHF HS1	12	12.8	3.8	70.3	50.0	1.41
3/20/2018	OBC HS1	13	15.9	6.9	56.6	50.0	1.13
	OBC HS2	13	15.9	7.4	53.5	50.0	1.07
	JHF HS1	12	13.2	7.0	47.0	50.0	0.94
3/27/2018	OBC HS1	10	11.1	4.3	61.3	50.0	1.23
	OBC HS2	10	11.1	5.0	55.0	50.0	1.10
	JHF HS1	12	12.3	5.4	56.1	50.0	1.12
4/3/2018	OBC HS1	12	13.0	5.7	56.2	50.0	1.12
	OBC HS2	12	13.0	4.9	62.3	50.0	1.25
	JHF HS1	10	14.6	4.5	69.2	50.0	1.38
RUNNING ANNUAL AVERAGE	OBC HS1						1.22
	OBC HS2						1.20
	JHF HS1						1.29
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.24

**CITY OF JACKSON
TOC REMOVAL SUMMARY**

2018

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
4/9/2018	OBC HS1	12	12.5	3.7	70.4	50.0	1.41
	OBC HS2	12	12.5	3.9	68.8	50.0	1.38
	JHF HS1	10	12.6	4.5	64.3	50.0	1.29
4/16/2018	OBC HS1	16	13.5	2.1	84.4	50.0	1.69
	OBC HS2	16	13.5	5.2	61.5	50.0	1.23
	JHF HS1	8	15.3	5.3	65.4	45.0	1.45
5/8/2018	OBC HS1	11	9.7	3.7	61.9	50.0	1.24
	OBC HS2	11	9.7	3.4	64.9	50.0	1.30
	JHF HS1	15	9.8	4.0	59.2	50.0	1.18
5/16/2018	OBC HS1	12	8.9	1.7	80.9	50.0	1.62
	OBC HS2	12	8.9	1.6	82.0	50.0	1.64
	JHF HS1	17	8.5	2.7	68.2	50.0	1.36
5/22/2018	OBC HS1	13	10.6	6.2	41.5	50.0	0.83
	OBC HS2	13	10.6	6.4	39.6	50.0	0.79
	JHF HS1	24	16.5	5.9	64.2	50.0	1.28
5/30/2018	OBC HS1	15	7.6	3.8	50.0	50.0	1.00
	OBC HS2	15	9.2	3.9	57.6	50.0	1.15
	JHF HS1	16	9.6	4.0	58.3	50.0	1.17
6/4/2018	OBC HS1	14	10.5	2.4	77.1	50.0	1.54
	OBC HS2	14	10.5	4.1	61.0	50.0	1.22
	JHF HS1	17	8.1	3.0	63.0	50.0	1.26
6/12/2018	OBC HS1	18	7.4	1.7	77.0	45.0	1.71
	OBC HS2	18	7.4	2.1	71.6	45.0	1.59
	JHF HS1	16	13.4	1.8	86.6	50.0	1.73
6/17/2018	OBC HS1	15	7.1	2.2	69.0	45.0	1.53
	OBC HS2	15	7.1	1.6	77.5	45.0	1.72
	JHF HS1	17	7.3	2.0	72.6	45.0	1.61
6/25/2018	OBC HS1	17	8.4	1.4	83.3	50.0	1.67
	OBC HS2	17	8.4	2.6	69.0	50.0	1.38
	JHF HS1	29	7.4	1.3	82.4	45.0	1.83
7/6/2018	OBC HS1	15	7.9	2	74.7	45.0	1.66
	OBC HS2	15	7.9	2.5	68.4	45.0	1.52
	JHF HS1	15	6.2	3.0	51.6	45.0	1.15
7/10/2018	OBC HS1	13	7.1	1.3	81.7	45.0	1.82
	OBC HS2	13	7.1	2.0	71.8	45.0	1.60
	JHF HS1	16	4.6	1.7	63.0	45.0	1.40
7/17/2018	OBC HS1	21	5.1	2.3	54.9	45.0	1.22
	OBC HS2	21	5.1	2.1	58.8	45.0	1.31
	JHF HS1	24	5.7	2.6	54.4	45.0	1.21
RUNNING ANNUAL AVERAGE	OBC HS1						1.34
	OBC HS2						1.29
	JHF HS1						1.34
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.32

**CITY OF JACKSON
TOC REMOVAL SUMMARY**

2018

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
7/23/2018	OBC HS1	21	6.5	2.2	66.2	45.0	1.47
	OBC HS2	21	6.5	2.7	58.5	45.0	1.30
	JHF HS1	19	7.1	3.1	56.3	45.0	1.25
8/8/2018	OBC HS1	22	9.1	3.3	63.7	50.0	1.27
	OBC HS2	22	9.1	3.1	65.9	50.0	1.32
	JHF HS1	24	6.7	5.1	23.9	45.0	0.53
8/13/2018	OBC HS1	19	9.0	2.5	72.2	50.0	1.44
	OBC HS2	19	9.0	2.2	75.6	50.0	1.51
	JHF HS1	22	8.0	3.1	61.3	45.0	1.36
8/20/2018	OBC HS1	22	6.7	1.9	71.6	45.0	1.59
	OBC HS2	22	6.7	1.4	79.1	45.0	1.76
	JHF HS1	19	7.8	2.1	73.1	45.0	1.62
8/27/2018	OBC HS1	21	10.9	5.1	53.2	50.0	1.06
	OBC HS2	21	10.9	3.5	67.9	50.0	1.36
	JHF HS1	24	5.9	3.6	39.0	45.0	0.87
9/5/2018	OBC HS1	20	10.7	1.7	84.1	50.0	1.68
	OBC HS2	20	10.7	2.7	74.8	50.0	1.50
	JHF HS1	20	5.4	2.9	46.3	45.0	1.03
9/11/2018	OBC HS1	19	8.9	3.2	64.0	50.0	1.28
	OBC HS2	19	8.6	3.0	65.1	50.0	1.30
	JHF HS1	21	7.1	2.6	63.4	45.0	1.41
9/17/2018	OBC HS1	23	7.8	2	74.4	45.0	1.65
	OBC HS2	23	7.8	2.3	70.5	45.0	1.57
	JHF HS1	25	5.2	2.9	44.2	45.0	0.98
9/25/2018	OBC HS1	19	8.3	3.2	61.4	50.0	1.23
	OBC HS2	19	8.3	3.1	62.7	50.0	1.25
	JHF HS1	29	8.4	3.9	53.6	50.0	1.07
10/2/2018	OBC HS1	22	7.8	2.8	64.1	50.0	1.28
	OBC HS2	22	7.8	1.9	75.6	50.0	1.51
	JHF HS1	23	6.1	3.5	42.6	45.0	0.95
10/10/2018	OBC HS1	21	8.1	4.3	46.9	50.0	0.94
	OBC HS2	21	8.1	3.8	53.1	50.0	1.06
	JHF HS1	30	6.9	3.3	52.2	45.0	1.16
10/16/2018	OBC HS1	23	6.9	2.6	62.3	45.0	1.38
	OBC HS2	23	6.9	3.2	53.6	45.0	1.19
	JHF HS1	27	6.5	2.5	61.5	45.0	1.37
10/25/2018	OBC HS1	26	7.1	2.2	69.0	45.0	1.53
	OBC HS2	26	7.1	2.2	69.0	45.0	1.53
	JHF HS1	28	5.8	2.4	58.6	45.0	1.30
RUNNING ANNUAL AVERAGE	OBC HS1						1.35
	OBC HS2						1.33
	JHF HS1						1.24
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.32

**CITY OF JACKSON
TOC REMOVAL SUMMARY**

2018

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
11/2/2018	OBC HS1	19	8.3	3.0	63.9	50.0	1.28
	OBC HS2	19	8.3	3.2	61.4	50.0	1.23
	JHF HS1	26	6.2	3.5	43.5	45.0	0.97
11/15/2018	OBC HS1	23	9.6	2.3	76.0	50.0	1.52
	OBC HS2	23	9.6	2.5	74.0	50.0	1.48
	JHF HS1	21	10.1	2.8	72.3	50.0	1.45
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
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	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						1.35
	OBC HS2						1.33
	JHF HS1						1.27
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.32

**CITY OF JACKSON
CORROSION CONTROL DATA**

November 2018 DAILY CALCULATIONS		SYSTEM ID: 250008-02						SYSTEM ID: 250008-01		
		OBC HS1			OBC HS2			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
1	MIN	8.75	35	32	9.19	32	31	9.12	71	33
	MAX	9.23	39	35	9.62	35	33	9.51	78	40
	AVG	9.00	37	33	9.35	34	32	9.33	73	36
2	MIN	9.21	34	30	9.34	32	30	9.46	71	34
	MAX	9.38	38	36	9.60	36	34	9.84	86	37
	AVG	9.30	37	34	9.48	35	32	9.59	77	35
3	MIN	9.39	36	33	9.31	34	32	9.59	70	31
	MAX	9.60	39	37	9.58	38	35	9.84	73	40
	AVG	9.47	37	35	9.48	36	34	9.69	72	35
4	MIN	9.17	34	32	8.87	34	31	9.22	70	42
	MAX	9.58	38	37	9.85	36	34	9.74	75	46
	AVG	9.41	36	34	9.49	35	32	9.43	73	44
5	MIN	9.17	33	30	8.74	32	30	9.13	71	42
	MAX	9.60	36	36	9.62	35	34	9.36	77	45
	AVG	9.36	35	33	9.12	34	32	9.27	73	44
6	MIN	8.83	32	32	8.83	30	30	9.09	66	39
	MAX	9.47	36	37	9.21	34	33	9.45	67	45
	AVG	9.15	34	34	9.03	33	31	9.21	67	42
7	MIN	9.02	32	30	9.10	30	30	9.49	60	36
	MAX	9.47	35	36	9.42	34	34	9.56	81	49
	AVG	9.26	34	33	9.26	32	32	9.52	71	41
8	MIN	9.29	30	32	9.02	26	28	9.50	64	39
	MAX	9.64	38	36	9.45	34	32	9.74	75	44
	AVG	9.50	34	34	9.25	30	30	9.63	69	41
9	MIN	9.43	28	29	9.30	29	30	9.21	67	45
	MAX	9.75	34	32	9.69	36	32	9.69	69	56
	AVG	9.60	32	30	9.57	33	31	9.52	68	51
10	MIN	9.30	32	23	9.24	29	27	9.58	70	35
	MAX	9.55	36	33	9.61	34	32	9.69	78	41
	AVG	9.49	35	30	9.44	32	30	9.63	75	38
11	MIN	9.20	34	28	9.08	30	24	9.67	69	34
	MAX	9.53	39	34	9.51	37	34	9.79	77	38
	AVG	9.41	36	32	9.35	33	30	9.74	74	36
12	MIN	9.03	34	31	9.37	32	30	9.48	65	42
	MAX	9.48	38	34	9.70	36	32	9.71	73	55
	AVG	9.32	36	33	9.60	34	31	9.60	70	50
13	MIN	9.20	33	30	9.37	31	30	9.46	61	32
	MAX	9.71	38	36	9.69	36	36	9.66	70	46
	AVG	9.44	36	33	9.55	33	33	9.54	66	38
14	MIN	9.31	34	30	9.42	31	30	9.23	54	33
	MAX	9.57	38	34	9.66	35	33	9.75	80	41
	AVG	9.43	36	32	9.52	34	32	9.43	66	36
15	MIN	8.90	31	27	8.95	34	28	9.34	52	32
	MAX	9.50	42	32	9.54	37	34	10.70	95	53
	AVG	9.30	36	30	9.33	36	32	9.84	68	42
16	MIN	9.03	32	27	9.12	32	28	9.60	57	35
	MAX	9.76	36	33	9.57	36	33	9.78	72	46
	AVG	9.49	34	30	9.39	34	31	9.69	66	40

**CITY OF JACKSON
CORROSION CONTROL DATA**

November 2018 DAILY CALCULATIONS		SYSTEM ID: 250008-02						SYSTEM ID: 250008-01		
		OBC HS1			OBC HS2			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
17	MIN	9.15	33	30	8.86	34	25	9.48	61	33
	MAX	9.52	37	33	9.15	40	34	9.72	84	44
	AVG	9.31	35	32	9.05	37	28	9.58	73	37
18	MIN	9.55	34	30	9.14	32	27	9.44	51	35
	MAX	9.73	38	35	10.12	39	33	9.87	80	52
	AVG	9.65	36	33	9.39	36	30	9.62	63	43
19	MIN	9.52	33	30	9.33	32	30	9.44	62	39
	MAX	9.70	38	34	10.26	36	32	9.78	71	52
	AVG	9.60	35	32	9.82	34	31	9.60	65	45
20	MIN	9.10	30	27	9.13	31	29	9.40	59	33
	MAX	9.72	34	33	9.95	37	36	9.62	62	38
	AVG	9.36	32	31	9.53	34	32	9.50	60	36
21	MIN	9.62	22	28	9.49	24	22	9.58	54	35
	MAX	9.85	34	33	9.96	35	36	9.66	74	48
	AVG	9.80	30	31	9.78	31	30	9.61	65	41
22	MIN	9.24	25	27	9.36	26	23	9.50	59	33
	MAX	9.78	35	32	9.71	35	34	9.66	79	43
	AVG	9.49	32	30	9.55	32	30	9.60	67	37
23	MIN	8.95	28	28	9.11	30	27	9.71	67	30
	MAX	9.29	36	35	9.56	34	35	9.94	77	32
	AVG	9.13	32	30	9.37	33	32	9.80	74	31
24	MIN	8.82	28	26	8.97	30	24	9.62	69	28
	MAX	9.32	35	36	9.51	33	32	9.80	84	40
	AVG	9.16	33	31	9.18	32	28	9.69	79	33
25	MIN	9.09	33	30	9.04	32	30	9.45	65	36
	MAX	9.58	38	37	9.51	35	33	9.77	73	50
	AVG	9.38	36	33	9.28	34	32	9.63	70	42
26	MIN	8.97	30	30	9.01	31	30	9.55	63	31
	MAX	9.38	35	33	9.26	34	31	9.72	78	52
	AVG	9.15	33	32	9.16	32	31	9.65	72	42
27	MIN	9.14	28	22	9.13	25	19	9.59	58	29
	MAX	9.43	34	34	9.45	34	33	9.74	68	49
	AVG	9.32	32	29	9.29	30	27	9.64	63	40
28	MIN	9.02	26	24	9.14	27	24	9.13	62	24
	MAX	9.50	32	31	9.43	33	32	9.50	73	51
	AVG	9.24	29	28	9.32	30	28	9.27	66	34
29	MIN	8.95	28	26	8.95	28	24	9.47	55	29
	MAX	9.31	34	31	9.31	33	32	9.61	72	44
	AVG	9.10	31	30	9.10	31	28	9.54	64	34
30	MIN	8.96	30	27	8.95	28	26	9.28	61	31
	MAX	9.62	35	34	9.58	30	30	9.72	71	37
	AVG	9.21	32	31	9.22	29	28	9.43	67	33
MONTHLY MIN		8.75	22	22	8.74	24	19	9.09	51	24
MONTHLY MAX		9.85	42	37	10.3	40	36	10.7	95	56
MONTHLY AVG		9.36	34	32	9.37	33	31	9.56	69	39

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02 Month of November 2018

Total Off-Specification Volume (MG) = 0

Date	UV Reactor #1					UV Reactor #2					UV Reactor #3				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)
11/21/2018	24.0	2492014	33.2	2.5	86	24.0	2233681	30.3	2.2	85	24.0	2315972	33.8	2.3	90
11/22/2018	24.0	2516725	38.5	2.5	87	24.0	2152083	31.0	2.2	85	24.0	2334722	38.5	2.3	90
11/23/2018	23.2	2563194	39.0	2.6	86	22.8	2029861	30.6	2.0	85	24.0	2483681	28.1	2.5	90
11/24/2018	24.0	2545833	31.7	2.5	87	24.0	2410764	29.0	2.4	85	23.2	2299306	29.2	2.3	90
11/25/2018	24.0	2565278	37.0	2.6	82	24.0	2335417	29.8	2.3	85	24.0	2376389	40.1	2.4	90
11/26/2018	24.0	2616319	31.4	2.6	80	24.0	2245139	31.5	2.2	85	24.0	2428819	37.7	2.4	91
11/27/2018	24.0	2519792	35.7	2.5	80	24.0	2131597	32.3	2.1	85	24.0	2338889	41.1	2.3	91
11/28/2018	23.2	2455903	36.3	2.5	82	22.6	1993056	31.3	2.0	85	24.0	2341667	22.8	2.3	87
11/29/2018	24.0	2321875	30.4	2.3	78	24.0	2427083	30.1	2.4	85	24.0	2149306	24.3	2.1	86
11/30/2018	24.0	3015972	28.5	3.0	76	24.0	2883333	23.5	2.9	85	24.0	2813889	26.5	2.8	88

Date	UV Reactor #4					UV Reactor #5					UV Reactor #6				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/cm2)	Min Flow Rate (MGD)	Min UVT (%)
11/21/2018	24	2506250	31.4	2.5	95	24	2766667	38.3	2.8	92	24.0	2535417	38.3	2.5	85
11/22/2018	24	2534722	36.0	2.5	95	24	2720486	40.2	2.7	93	24.0	2566667	45.5	2.6	85
11/23/2018	22.2	2573611	33.5	2.6	95	24	2596180	42.5	2.6	93	23.2	2631944	43.5	2.6	85
11/24/2018	24	2564583	30.3	2.6	95	24	2514236	43.1	2.5	93	24.0	2596528	36.9	2.6	85
11/25/2018	24	2575347	36.5	2.6	95	24	2353472	45.7	2.4	93	24.0	2613889	46.3	2.6	85
11/26/2018	24	2632639	34.1	2.6	95	23.5	2248958	48.2	2.2	93	24.0	2662500	42.3	2.7	85
11/27/2018	24	2528472	36.9	2.5	95	24	2219097	50.9	2.2	93	24.0	2563889	46.9	2.6	85
11/28/2018	24	2538889	29.8	2.5	95	24	2242014	43.6	2.2	93	24.0	2568056	25.8	2.6	85
11/29/2018	23.4	2312847	30.5	2.3	95	24	2576042	40.9	2.6	92	23.5	2332292	30.5	2.3	85
11/30/2018	24	3035764	30.5	3.0	95	24	2967708	24.5	3	89	24.0	3072569	35.7	3.1	85

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-01

Month of November 2018

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 (%)
11/1/2018	10.1	10137708	24.0	21.9	85	0.0	0	85	0.0	0	75	0.0	0	87
11/2/2018	10.2	10179288	24.0	22.1	85	0.0	0	85	0.0	0	75	0.0	0	87
11/3/2018	10.2	10151198	24.0	22.8	85	0.0	0	85	0.0	0	75	0.0	0	87
11/4/2018	10.1	10065000	25.0	22.2	85	0.0	0	85	0.0	0	75	3.0	22.1	87
11/5/2018	10.2	10215156	24.0	22.2	85	0.0	0	85	0.0	0	75	0.0	0	87
11/6/2018	9.5	9493130	9.9	22.1	85	0.0	0	85	13.9	23.0	75	12.9	22.1	87
11/7/2018	10.3	10311527	0.0	0	85	0.0	0	85	24.0	24.6	75	0.0	0	87
11/8/2018	10.3	10310878	0.0	0	85	0.0	0	85	24.0	24.0	75	0.0	0	87
11/9/2018	10.4	10351394	0.0	0	85	0.0	0	85	24.0	24.5	75	0.0	0	87
11/10/2018	10.4	10426187	0.0	0	85	0.0	0	85	24.0	24.4	75	0.0	0	87
11/11/2018	10.4	10403623	0.0	0	85	0.0	0	85	24.0	24.9	75	0.0	0	87
11/12/2018	10.4	10383368	0.0	0	85	0.0	0	85	24.0	24.6	75	0.0	0	87
11/13/2018	10.4	10365851	0.0	0	85	0.0	0	85	19.3	22.0	75	0.0	0	87
11/14/2018	10.2	10163403	0.0	0	85	0.0	0	85	24.0	23.1	75	0.0	0	87
11/15/2018	9.3	9303056	17.3	22.5	85	0.0	0	85	0.8	22.1	75	18.9	22.1	87
11/16/2018	9.5	9511788	6.3	22.5	85	0.0	0	85	16.9	22.1	75	12.6	22.1	87
11/17/2018	9.6	9638490	0.0	0	85	0.0	0	85	24.0	22.4	75	9.6	22.1	87
11/18/2018	8.7	8745573	0.0	0	85	0.0	0	85	24.0	22.5	75	24.0	22.1	87
11/19/2018	8.8	8760139	0.0	0	85	0.0	0	85	24.0	22.5	75	24.0	22.1	87
11/20/2018	8.9	8917066	0.0	0	85	0.0	0	85	24.0	22.0	75	21.8	22.1	87
11/21/2018	9.8	9794740	0.0	0	85	0.0	0	85	24.0	22.2	75	7.2	22.1	87
11/22/2018	10.3	10278802	0.0	0	85	0.0	0	85	24.0	22.0	75	0.0	0	87
11/23/2018	10.2	10203264	0.0	0	85	0.0	0	85	24.0	24.9	75	0.0	0	87
11/24/2018	10.2	10182465	0.0	0	85	0.0	0	85	24.0	24.4	75	0.0	0	87
11/25/2018	10.2	10199010	0.0	0	85	0.0	0	85	24.0	24.2	75	0.0	0	87
11/26/2018	10.2	10205226	0.0	0	85	0.0	0	85	20.1	22.3	75	0.0	0	87
11/27/2018	10.2	10213368	0.0	0	85	0.0	0	85	17.2	22.8	75	0.0	0	87
11/28/2018	10.3	10264219	0.0	0	85	0.0	0	85	24.0	23.3	75	0.0	0	87
11/29/2018	9.8	9799514	0.0	0	85	0.0	0	85	15.4	22.8	75	17.0	22.1	87
11/30/2018	9.6	9596337	14.7	22.1	85	0.0	0	85	0.0	0	75	22.4	22.1	87