

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

System ID **250008-02**
Month of **September 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. 99.6%
- 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	2.4	13	3.0	19	2.8	25	2.6
2	2.9	8	2.4	14	2.7	20	2.1	26	2.5
3	2.6	9	2.4	15	2.9	21	2.3	27	2.3
4	2.3	10	2.4	16	2.8	22	2.4	28	2.3
5	2.3	11	2.3	17	2.4	23	2.5	29	2.6
6	2.6	12	2.4	18	2.5	24	2.6	30	2.9

- 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. 124
- 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
 September 2018

Sep 2018	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	5.32	0.53	0.11
2	4.64	0.79	0.12
3	4.31	0.37	0.15
4	3.74	0.50	0.10
5	5.42	0.52	0.08
6	5.14	0.44	0.15
7	5.34	0.31	0.13
8	4.54	0.44	0.13
9	4.85	0.42	0.13
10	4.43	0.38	0.11
11	4.46	0.36	0.07
12	4.66	0.74	0.11
13	3.20	0.58	0.12
14	2.84	0.55	0.09
15	3.74	0.60	0.08
16	4.96	0.38	0.12
17	3.41	0.95	0.14
18	4.50	0.37	0.13
19	4.90	0.29	0.08
20	3.84	0.22	0.08
21	4.01	0.25	0.07
22	3.23	0.20	0.14
23	3.23	0.23	0.11
24	4.67	0.79	0.20
25	7.44	0.34	0.12
26	7.47	0.38	0.16
27	3.96	0.61	0.15
28	3.66	0.31	0.16
29	4.64	0.67	0.15
30	5.62	0.62	0.06
MIN	2.84	0.20	0.06
MAX	7.47	0.95	0.20
AVG	4.54	0.47	0.09

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

System ID
Month Of

250008-02
September 2018

Sep 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.11	0.11	0.10	0.09	0.10	0.11
2	0.11	0.12	0.11	0.07	0.10	0.07
3	0.07	0.11	0.15	0.08	0.07	0.10
4	0.07	0.10	0.07	0.07	0.07	0.07
5	0.07	0.07	0.08	0.08	0.07	0.07
6	0.08	0.09	0.11	0.15	0.11	0.10
7	0.10	0.10	0.10	0.10	0.11	0.13
8	0.10	0.09	0.09	0.13	0.07	0.11
9	0.10	0.10	0.10	0.13	0.13	0.10
10	0.11	0.11	0.10	0.07	0.07	0.07
11	0.07	0.07	0.07	0.07	0.07	0.07
12	0.07	0.07	0.09	0.10	0.11	0.09
13	0.09	0.08	0.12	0.07	0.08	0.09
14	0.08	0.09	0.07	0.07	0.07	0.07
15	0.08	0.08	0.07	0.07	0.07	0.07
16	0.08	0.08	0.08	0.08	0.09	0.12
17	0.08	0.08	0.08	0.14	0.10	0.11
18	0.08	0.13	0.08	0.08	0.07	0.08
19	0.07	0.07	0.07	0.07	0.08	0.07
20	0.08	0.07	0.07	0.07	0.07	0.08
21	0.07	0.07	0.07	0.07	0.07	0.07
22	0.08	0.14	0.10	0.13	0.13	0.06
23	0.11	0.07	0.07	0.06	0.06	0.06
24	0.06	0.06	0.07	0.20	0.08	0.09
25	0.09	0.10	0.12	0.12	0.10	0.10
26	0.11	0.16	0.12	0.14	0.14	0.14
27	0.11	0.11	0.13	0.10	0.15	0.13
28	0.16	0.06	0.13	0.14	0.06	0.06
29	0.06	0.15	0.12	0.10	0.05	0.06
30	0.06	0.06	0.05	0.06	0.06	0.06
MIN	0.06	0.06	0.05	0.06	0.05	0.06
MAX	0.16	0.16	0.15	0.20	0.15	0.14
AVG	0.09	0.09	0.09	0.10	0.09	0.09

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

System ID
 Month Of

250008-02
 September 2018

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

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

System ID **250008-02**
Month of **September 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. 99.96%

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	2.9		7	2.7		13	2.2		19	2.8		25	3.1
2	2.7		8	2.5		14	3.0		20	2.0		26	2.7
3	2.7		9	2.5		15	2.8		21	2.7		27	2.6
4	2.6		10	3.0		16	2.3		22	2.6		28	2.3
5	2.2		11	2.2		17	2.3		23	2.7		29	2.7
6	2.4		12	2.1		18	3.0		24	2.8		30	2.6

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. 124

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
 September 2018

Sep 2018	TURBIDITIES (NTU)	
	RAW	TRAINS
1	5.32	0.19
2	4.64	0.15
3	4.31	0.15
4	3.74	0.16
5	5.42	0.15
6	5.14	0.13
7	5.34	0.14
8	4.54	0.08
9	4.85	0.17
10	4.43	0.14
11	4.46	0.14
12	4.66	0.10
13	3.20	0.11
14	2.84	0.13
15	3.74	0.08
16	4.96	0.13
17	3.41	0.14
18	4.50	0.10
19	4.90	0.07
20	3.84	0.14
21	4.01	0.13
22	3.23	0.13
23	3.23	0.16
24	4.67	0.06
25	7.44	0.16
26	7.47	0.12
27	3.96	0.14
28	3.66	0.14
29	4.64	0.15
30	5.62	0.15
MIN	2.84	0.06
MAX	7.47	0.19
AVG	4.54	0.13

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

System ID
Month Of

250008-02
September 2018

Sep 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.19	0.07	0.07	0.09	0.09	0.08
2	0.08	0.15	0.08	0.09	0.10	0.08
3	0.15	0.08	0.08	0.10	0.10	0.09
4	0.16	0.07	0.07	0.08	0.09	0.09
5	0.15	0.11	0.07	0.06	0.06	0.13
6	0.10	0.08	0.07	0.13	0.09	0.10
7	0.08	0.14	0.08	0.13	0.08	0.11
8	0.06	0.08	0.08	0.08	0.07	0.08
9	0.06	0.08	0.07	0.08	0.08	0.17
10	0.05	0.07	0.07	0.07	0.08	0.14
11	0.06	0.10	0.09	0.14	0.11	0.14
12	0.06	0.06	0.07	0.09	0.09	0.10
13	0.07	0.07	0.07	0.07	0.11	0.10
14	0.06	0.07	0.06	0.08	0.13	0.09
15	0.08	0.07	0.07	0.07	0.07	0.08
16	0.08	0.06	0.06	0.07	0.13	0.11
17	0.06	0.14	0.06	0.11	0.08	0.14
18	0.07	0.10	0.06	0.07	0.07	0.07
19	0.07	0.07	0.06	0.06	0.06	0.06
20	0.04	0.14	0.06	0.06	0.06	0.09
21	0.04	0.10	0.05	0.08	0.06	0.13
22	0.04	0.13	0.05	0.05	0.07	0.05
23	0.05	0.14	0.05	0.05	0.05	0.16
24	0.04	0.06	0.05	0.04	0.04	0.06
25	0.05	0.04	0.16	0.04	0.04	0.04
26	0.07	0.12	0.04	0.04	0.05	0.07
27	0.09	0.08	0.04	0.05	0.10	0.14
28	0.14	0.07	0.04	0.06	0.04	0.06
29	0.15	0.04	0.10	0.11	0.11	0.13
30	0.12	0.05	0.05	0.08	0.11	0.15
MIN	0.04	0.04	0.04	0.04	0.04	0.04
MAX	0.19	0.15	0.16	0.14	0.13	0.17
AVG	0.08	0.09	0.07	0.08	0.08	0.10

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

System ID
Month Of

250008-02
September 2018

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

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

System ID **250008-01**
Month of **September 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	2.8	7	2.6	13	2.5	19	2.5	25	2.4
2	2.9	8	2.4	14	2.4	20	2.1	26	2.5
3	2.7	9	2.4	15	2.5	21	2.0	27	2.0
4	3.1	10	2.5	16	2.5	22	2.3	28	2.2
5	2.9	11	2.5	17	2.6	23	2.3	29	3.1
6	2.5	12	2.8	18	3.1	24	2.3	30	2.6

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. 124

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
September 2018

Sep 2018	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	11.8	0.28	0.19	0.16
2	9.44	0.24	0.18	0.18
3	7.2	0.57	0.17	0.16
4	11.4	0.36	0.13	0.14
5	10.8	0.29	0.13	0.14
6	22.8	0.17	0.14	0.14
7	9.85	0.33	0.17	0.14
8	10.4	0.30	0.14	0.14
9	13.4	0.33	0.15	0.13
10	40.1	0.25	0.15	0.13
11	24.0	0.33	0.12	0.17
12	17.7	0.31	0.11	0.11
13	17.7	0.34	0.12	0.11
14	8.1	0.33	0.12	0.12
15	11.2	0.36	0.16	0.11
16	10.3	0.33	0.12	0.10
17	13.6	0.65	0.14	0.26
18	8.60	0.30	0.14	0.24
19	8.04	0.30	0.12	0.12
20	8.23	0.29	0.16	0.12
21	11.7	0.32	0.17	0.13
22	7.20	0.29	0.14	0.11
23	7.43	0.28	0.13	0.11
24	6.27	0.26	0.12	0.11
25	5.98	0.26	0.11	0.10
26	7.11	0.37	0.14	0.10
27	25.5	0.24	0.15	0.17
28	11.3	0.33	0.13	0.13
29	8.64	0.33	0.14	0.13
30	13.5	0.28	0.12	0.12
MIN	5.98	0.17	0.11	0.10
MAX	40.1	0.65	0.19	0.26
AVG	12.6	0.32	0.14	0.12

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

System ID
MONTH

250008-01
September 2018

Sep 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.13	0.13	0.13	0.12	0.14	0.16
2	0.16	0.16	0.15	0.18	0.17	0.17
3	0.16	0.14	0.13	0.13	0.13	0.13
4	0.12	0.12	0.13	0.14	0.14	0.13
5	0.12	0.13	0.13	0.13	0.14	0.14
6	0.14	0.14	0.14	0.12	0.14	0.14
7	0.13	0.13	0.12	0.12	0.14	0.14
8	0.14	0.13	0.13	0.12	0.13	0.11
9	0.10	0.11	0.12	0.12	0.13	0.11
10	0.11	0.12	0.12	0.13	0.12	0.12
11	0.11	0.11	0.17	0.11	0.11	0.11
12	0.11	0.10	0.10	0.10	0.10	0.09
13	0.09	0.09	0.09	0.09	0.09	0.11
14	0.11	0.11	0.11	0.12	0.11	0.11
15	0.11	0.10	0.10	0.10	0.10	0.10
16	0.10	0.09	0.09	0.09	0.10	0.10
17	0.11	0.11	0.11	0.11	0.26	0.21
18	0.21	0.21	0.24	0.13	0.12	0.12
19	0.12	0.11	0.10	0.10	0.10	0.11
20	0.11	0.11	0.10	0.11	0.11	0.12
21	0.13	0.13	0.12	0.12	0.12	0.11
22	0.11	0.11	0.10	0.10	0.10	0.10
23	0.09	0.09	0.10	0.11	0.11	0.11
24	0.11	0.10	0.10	0.10	0.10	0.09
25	0.09	0.09	0.09	0.09	0.10	0.10
26	0.10	0.10	0.10	0.10	0.10	0.10
27	0.09	0.09	0.11	0.13	0.08	0.17
28	0.13	0.10	0.11	0.11	0.10	0.12
29	0.13	0.13	0.13	0.12	0.11	0.11
30	0.12	0.12	0.12	0.12	0.11	0.11
MIN	0.09	0.09	0.09	0.09	0.08	0.09
MAX	0.21	0.21	0.24	0.18	0.26	0.21
AVG	0.12	0.12	0.12	0.12	0.12	0.12

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

System ID
MONTH

250008-01
September 2018

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

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID 250008
Month of September 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	22				
5					
6	35				
7					
8					
9					
10	26				
11	36				
12	5				
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
Total	124	0	0	0	0

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

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

Sep-18	SYSTEM ID: 250008-02		SYSTEM ID: 250008-01	
	O.B. CURTIS		J. H. FEWELL	
	ClO ₂	ClO ⁻	ClO ₂	ClO ⁻
1	OFF	OFF	0.30	0.000
2	OFF	OFF	0.45	0.000
3	OFF	OFF	0.42	0.000
4	OFF	OFF	0.14	0.000
5	OFF	OFF	0.07	0.000
6	OFF	OFF	0.31	0.000
7	OFF	OFF	0.13	0.000
8	OFF	OFF	0.41	0.000
9	OFF	OFF	0.42	0.000
10	OFF	OFF	0.05	0.000
11	OFF	OFF	0.24	0.000
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	0.14	0.000
30	OFF	OFF	0.12	0.000

DISTRIBUTION SITES			
DATE	SITE	ClO ₂	ClO ⁻
9/7/2018	Olympia	0.05	0.000
	Boling St	0.04	0.000
	John Hopkins	0.06	0.000

**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
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
RUNNING ANNUAL AVERAGE	OBC HS1						1.36
	OBC HS2						1.33
	JHF HS1						1.24
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.32

**CITY OF JACKSON
CORROSION CONTROL DATA**

September 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	9.31	30	32	9.00	30	30	9.54	88	42
	MAX	9.58	36	40	9.33	39	36	9.69	95	52
	AVG	9.47	33	36	9.19	33	33	9.63	93	45
2	MIN	8.97	30	31	9.16	28	27	9.55	76	40
	MAX	9.42	33	38	9.34	36	34	9.59	92	54
	AVG	9.28	32	34	9.24	32	31	9.57	85	47
3	MIN	8.95	30	29	8.96	30	25	9.38	83	48
	MAX	9.11	38	36	9.18	37	31	9.74	100	64
	AVG	9.05	33	32	9.07	33	29	9.58	92	55
4	MIN	9.08	33	30	8.88	31	30	9.48	81	45
	MAX	9.21	38	36	9.27	35	34	9.80	98	49
	AVG	9.15	36	33	9.11	33	32	9.65	91	47
5	MIN	9.09	28	29	9.00	26	30	9.63	80	33
	MAX	9.39	37	35	9.35	35	34	9.80	131	62
	AVG	9.20	33	32	9.21	32	32	9.70	98	45
6	MIN	8.77	27	28	8.98	27	27	9.52	75	45
	MAX	9.20	40	35	9.16	36	32	9.67	84	57
	AVG	9.04	34	31	9.09	30	29	9.61	78	52
7	MIN	9.03	34	29	9.14	31	23	9.32	73	39
	MAX	9.52	40	38	9.68	38	35	9.40	77	47
	AVG	9.37	37	33	9.49	35	31	9.36	76	44
8	MIN	9.10	31	31	9.15	30	30	9.35	77	38
	MAX	9.40	40	35	9.53	38	34	9.52	78	45
	AVG	9.26	35	33	9.31	34	32	9.45	78	41
9	MIN	9.17	38	30	9.19	30	31	9.30	77	40
	MAX	9.28	44	39	9.52	41	38	9.70	95	61
	AVG	9.22	42	35	9.37	36	33	9.51	87	52
10	MIN	9.12	35	31	8.85	34	31	9.10	74	40
	MAX	9.30	44	38	9.31	39	35	9.53	93	47
	AVG	9.18	40	34	9.09	36	33	9.25	86	44
11	MIN	9.40	36	32	9.43	30	32	9.12	69	45
	MAX	9.71	41	39	9.69	39	37	9.39	77	51
	AVG	9.57	39	36	9.59	35	34	9.23	74	47
12	MIN	6.84	25	21	8.12	31	27	9.25	84	49
	MAX	9.44	40	37	9.20	40	37	9.59	96	62
	AVG	8.18	34	32	8.55	36	33	9.45	89	54
13	MIN	6.88	36	22	8.95	26	26	9.43	73	38
	MAX	9.59	40	36	9.37	34	31	9.96	99	49
	AVG	8.43	38	32	9.11	31	29	9.65	88	44
14	MIN	8.95	36	32	9.12	33	28	9.48	76	39
	MAX	9.48	43	40	9.38	39	40	9.72	82	41
	AVG	9.33	39	35	9.26	36	31	9.62	80	40
15	MIN	8.67	31	25	8.95	28	21	9.50	76	35
	MAX	9.37	36	36	9.31	34	35	9.55	86	41
	AVG	9.16	33	30	9.15	32	30	9.53	80	39
16	MIN	9.31	30	28	9.21	28	27	9.25	73	34
	MAX	9.41	34	36	9.37	32	32	9.50	86	44
	AVG	9.34	32	32	9.28	30	29	9.38	78	39

**CITY OF JACKSON
CORROSION CONTROL DATA**

September 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	9.07	30	29	8.97	28	29	9.37	72	43
	MAX	9.23	38	35	9.37	31	33	9.69	78	51
	AVG	9.17	33	32	9.20	30	31	9.51	76	48
18	MIN	9.02	29	29	8.98	31	30	9.14	85	43
	MAX	9.23	37	34	9.28	34	37	9.63	86	46
	AVG	9.10	33	31	9.13	33	32	9.45	85	44
19	MIN	8.97	30	30	9.08	31	29	9.39	77	29
	MAX	9.27	36	34	9.23	33	31	9.66	85	41
	AVG	9.14	33	32	9.14	32	30	9.50	80	36
20	MIN	8.95	31	30	8.95	26	28	9.28	80	31
	MAX	9.22	42	36	9.25	39	34	9.70	96	47
	AVG	9.07	36	34	9.05	33	31	9.51	87	40
21	MIN	7.96	30	28	8.95	30	30	9.67	84	41
	MAX	8.96	32	33	9.24	34	33	9.94	97	50
	AVG	8.49	31	30	9.10	33	32	9.77	88	46
22	MIN	8.49	27	27	9.09	32	30	9.43	71	34
	MAX	9.13	36	40	9.36	36	32	9.53	83	44
	AVG	8.77	30	31	9.23	34	31	9.48	77	39
23	MIN	8.95	31	33	8.95	33	32	9.48	68	33
	MAX	9.07	38	39	9.29	38	39	9.58	84	46
	AVG	9.03	34	36	9.19	35	36	9.54	78	40
24	MIN	8.65	32	30	9.10	35	30	9.29	73	40
	MAX	9.09	43	36	9.36	39	39	9.65	83	66
	AVG	8.93	37	33	9.23	37	34	9.48	77	51
25	MIN	9.02	33	33	9.07	32	30	9.58	77	45
	MAX	9.41	37	38	9.55	35	37	9.66	82	48
	AVG	9.20	35	35	9.33	34	33	9.61	80	46
26	MIN	9.13	30	28	9.33	31	27	9.31	79	43
	MAX	9.45	35	36	9.50	35	34	9.64	92	52
	AVG	9.23	33	33	9.41	33	31	9.50	86	47
27	MIN	8.67	34	31	8.95	33	30	9.45	67	34
	MAX	9.62	40	39	9.14	37	40	9.67	81	42
	AVG	9.08	37	34	9.04	35	34	9.55	75	37
28	MIN	8.61	32	29	9.07	30	28	9.04	61	32
	MAX	9.21	35	32	9.30	36	32	9.68	71	45
	AVG	8.88	33	31	9.23	33	30	9.30	67	40
29	MIN	9.03	33	30	9.07	31	28	9.45	63	34
	MAX	9.36	38	36	9.30	38	32	9.52	74	37
	AVG	9.16	34	32	9.25	34	31	9.48	69	35
30	MIN	8.95	32	30	9.01	34	29	9.52	75	33
	MAX	9.14	38	35	9.57	38	38	9.68	88	40
	AVG	9.04	35	33	9.29	36	35	9.62	82	37
MONTHLY MIN		6.84	25	21	8.12	26	21	9.04	61	29
MONTHLY MAX		9.71	44	40	9.69	41	40	9.96	131	66
MONTHLY AVG		9.08	35	33	9.19	33	32	9.52	82	44