

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

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

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
May 2018

May 2018	TURBIDITIES (NTU)		
	RAW	SETTLED	FINISHED
1	19.6	0.87	0.15
2	20.2	1.17	0.04
3	18.7	0.67	0.05
4	17.1	0.67	0.11
5	14.0	1.41	0.04
6	12.8	0.76	0.05
7	25.1	1.57	0.04
8	13.5	0.82	0.04
9	11.2	0.69	0.07
10	13.3	1.20	0.06
11	12.8	1.01	0.03
12	11.2	1.51	0.04
13	11.0	0.74	0.04
14	9.79	0.81	0.04
15	9.09	0.79	0.04
16	10.0	0.68	0.04
17	9.20	0.51	0.04
18	8.23	1.17	0.06
19	10.0	0.53	0.05
20	9.50	1.22	0.05
21	8.54	1.41	0.05
22	17.7	1.41	0.08
23	18.5	0.54	0.16
24	10.1	0.55	0.06
25	12.8	0.55	0.09
26	14.0	0.51	0.23
27	12.8	1.61	0.13
28	13.3	0.98	0.05
29	12.7	1.66	0.05
30	14.2	0.22	0.30
31	13.4	0.28	0.04
MIN	8.23	0.22	0.03
MAX	25.1	1.66	0.30
AVG	13.4	0.92	0.04

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

System ID
Month Of

250008-02
May 2018

May 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.03	0.15	0.03	0.03	0.03	0.04
2	0.04	0.04	0.03	0.03	0.03	0.03
3	0.03	0.05	0.03	0.03	0.03	0.03
4	0.04	0.03	0.03	0.11	0.03	0.03
5	0.04	0.03	0.03	0.03	0.03	0.03
6	0.04	0.03	0.05	0.03	0.03	0.03
7	0.03	0.03	0.03	0.03	0.04	0.04
8	0.04	0.03	0.03	0.03	0.03	0.04
9	0.05	0.05	0.07	0.05	0.05	0.05
10	0.05	0.06	0.05	0.03	0.03	0.03
11	0.03	0.03	0.03	0.03	0.03	0.03
12	0.04	0.03	0.03	0.03	0.03	0.03
13	0.03	0.03	0.04	0.03	0.03	0.03
14	0.04	0.03	0.03	0.03	0.03	0.03
15	0.04	0.03	0.03	0.03	0.03	0.03
16	0.04	0.04	0.04	0.03	0.03	0.03
17	0.04	0.03	0.03	0.03	0.03	0.03
18	0.04	0.06	0.04	0.03	0.03	0.03
19	0.03	0.05	0.04	0.04	0.04	0.04
20	0.04	0.05	0.05	0.04	0.05	0.05
21	0.05	0.05	0.05	0.05	0.05	0.05
22	0.05	0.05	0.04	0.07	0.08	0.07
23	0.05	0.04	0.04	0.05	0.05	0.16
24	0.05	0.05	0.06	0.04	0.04	0.04
25	0.04	0.09	0.04	0.09	0.04	0.04
26	0.05	0.23	0.05	0.04	0.05	0.10
27	0.05	0.05	0.05	0.05	0.04	0.13
28	0.04	0.05	0.03	0.04	0.03	0.05
29	0.05	0.04	0.05	0.04	0.04	0.04
30	0.05	0.30	0.05	0.04	0.03	0.04
31	0.04	0.03	0.03	0.03	0.04	0.04
MIN	0.03	0.03	0.03	0.03	0.03	0.03
MAX	0.05	0.30	0.07	0.11	0.08	0.16
AVG	0.04	0.06	0.04	0.04	0.04	0.05

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

System ID
 Month Of

250008-02
 May 2018

May 2018	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	2.6	3.0	3.0
2	2.9	3.0	3.1	2.6	2.5	2.4
3	3.0	3.0	2.8	3.2	3.3	3.3
4	3.2	2.6	2.6	2.7	3.0	2.5
5	2.4	2.4	2.6	2.3	2.6	2.6
6	2.7	2.5	2.8	2.3	2.3	2.3
7	2.4	2.2	2.3	2.5	2.3	2.5
8	2.6	3.0	3.2	3.0	3.0	2.5
9	2.9	2.6	2.4	2.9	2.6	2.2
10	2.5	2.5	2.9	2.3	2.8	2.8
11	2.7	2.5	2.6	3.0	2.6	2.6
12	2.5	2.6	3.0	3.0	2.5	2.5
13	2.8	2.8	3.0	2.7	2.7	2.5
14	2.3	2.2	2.4	2.3	2.3	2.6
15	2.2	2.4	2.5	2.7	2.3	2.4
16	2.6	2.5	2.9	2.5	2.9	2.4
17	2.6	2.7	2.3	2.8	2.7	2.7
18	3.0	2.6	2.7	2.7	2.6	2.7
19	3.3	3.3	3.1	2.8	2.8	2.6
20	2.7	2.7	2.5	2.6	2.6	2.6
21	3.0	3.1	2.7	2.8	2.8	2.4
22	2.5	2.7	2.8	2.5	2.3	2.7
23	3.0	2.7	3.0	2.2	2.7	2.8
24	2.6	2.9	2.8	2.7	2.7	2.7
25	2.3	2.7	3.3	3.3	2.5	3.0
26	2.8	2.8	2.7	3.0	2.9	2.6
27	2.4	2.7	2.3	2.5	3.0	2.9
28	2.7	2.6	3.1	3.2	3.2	2.5
29	3.2	3.2	3.2	2.7	3.1	2.5
30	2.6	2.9	2.9	2.9	2.9	2.9
31	3.1	2.8	2.2	2.1	2.5	2.9
MIN	2.2	2.2	2.2	2.1	2.3	2.2
MAX	3.3	3.3	3.3	3.3	3.3	3.3
AVG	2.7	2.7	2.8	2.7	2.7	2.6

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

System ID **250008-02**
Month of **May 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	3.1	7	3.0	13	2.6	19	2.6	25	2.6
2	3.1	8	3.1	14	2.8	20	2.3	26	2.3
3	3.0	9	3.0	15	2.5	21	2.9	27	2.5
4	3.1	10	2.6	16	3.0	22	2.3	28	2.4
5	2.8	11	2.9	17	2.8	23	2.5	29	2.7
6	3.1	12	2.9	18	2.5	24	2.6	30	2.7
								31	2.2

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

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

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

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

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

System ID
 Month Of

250008-02
 May 2018

May 2018	TURBIDITIES (NTU)	
	RAW	FINISHED
1	19.6	0.02
2	20.2	0.02
3	18.7	0.02
4	17.1	0.09
5	14.0	0.03
6	12.8	0.03
7	25.1	0.04
8	13.5	0.03
9	11.2	0.14
10	13.3	0.03
11	12.8	0.04
12	11.2	0.04
13	11.0	0.06
14	9.79	0.05
15	9.09	0.13
16	10.0	0.06
17	9.20	0.11
18	8.23	0.11
19	10.0	0.19
20	9.50	0.09
21	8.54	0.04
22	17.7	0.08
23	18.5	0.08
24	10.1	0.16
25	12.8	0.04
26	14.0	0.15
27	12.8	0.04
28	13.3	0.03
29	12.7	0.03
30	14.2	0.04
31	13.4	0.03
MIN	8.23	0.02
MAX	25.1	0.19
AVG	13.4	0.07

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

System ID
Month Of

250008-02
May 2018

May 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.02	0.02	0.02	0.02	0.02	0.02
2	0.02	0.02	0.02	0.02	0.02	0.02
3	0.02	0.02	0.02	0.02	0.02	0.02
4	0.02	0.02	0.02	0.09	0.05	0.03
5	0.03	0.02	0.02	0.02	0.03	0.03
6	0.02	0.02	0.02	0.03	0.03	0.02
7	0.04	0.04	0.04	0.03	0.02	0.02
8	0.02	0.02	0.03	0.03	0.02	0.02
9	0.02	0.02	0.14	0.04	0.04	0.03
10	0.03	0.03	0.02	0.02	0.02	0.03
11	0.02	0.02	0.03	0.04	0.03	0.03
12	0.03	0.03	0.02	0.02	0.04	0.03
13	0.03	0.02	0.03	0.03	0.05	0.06
14	0.05	0.04	0.04	0.03	0.02	0.02
15	0.03	0.13	0.03	0.04	0.03	0.03
16	0.03	0.04	0.03	0.03	0.05	0.06
17	0.06	0.06	0.06	0.04	0.06	0.11
18	0.11	0.10	0.09	0.06	0.04	0.04
19	0.03	0.04	0.04	0.19	0.13	0.14
20	0.06	0.09	0.09	0.08	0.06	0.04
21	0.03	0.03	0.03	0.03	0.04	0.04
22	0.04	0.04	0.06	0.08	0.07	0.06
23	0.05	0.04	0.07	0.08	0.07	0.06
24	0.05	0.16	0.03	0.04	0.04	0.05
25	0.03	0.04	0.04	0.04	0.03	0.03
26	0.04	0.04	0.04	0.05	0.05	0.15
27	0.04	0.04	0.03	0.03	0.03	0.03
28	0.03	0.03	0.03	0.03	0.03	0.03
29	0.03	0.03	0.03	0.03	0.03	0.03
30	0.03	0.04	0.04	0.03	0.03	0.03
31	0.03	0.03	0.03	0.03	0.03	0.03
MIN	0.02	0.02	0.02	0.02	0.02	0.02
MAX	0.11	0.16	0.14	0.19	0.13	0.15
AVG	0.04	0.04	0.04	0.04	0.04	0.04

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

System ID
Month Of

250008-02
May 2018

May 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.3	3.4	3.2	3.2	3.1	3.1
2	3.1	3.3	3.4	3.4	3.9	3.7
3	3.6	3.5	3.4	3.4	3.2	3.0
4	3.1	3.2	3.3	3.2	3.3	3.2
5	3.2	3.1	2.8	2.9	2.9	3.0
6	3.1	3.1	3.2	3.2	3.1	3.1
7	3.0	3.1	3.0	3.1	3.1	3.2
8	3.1	3.2	3.2	3.2	3.1	3.2
9	3.1	3.0	3.0	3.2	3.0	3.1
10	3.0	2.9	2.9	3.0	2.6	3.0
11	3.0	3.0	3.0	2.9	3.1	3.0
12	3.0	2.9	2.9	3.1	3.1	3.1
13	3.0	2.9	2.8	2.8	2.6	2.9
14	2.8	2.9	3.1	3.2	3.0	3.0
15	2.8	2.8	2.8	2.5	3.3	3.1
16	3.0	3.0	3.2	3.3	3.4	3.1
17	3.0	2.8	2.8	3.1	3.0	3.0
18	2.9	2.5	2.7	2.9	2.8	2.8
19	2.9	2.9	3.0	3.0	2.8	2.6
20	2.5	2.8	2.3	2.4	2.8	3.0
21	2.9	2.9	3.1	3.1	3.0	2.9
22	2.8	2.8	2.8	2.5	2.3	2.4
23	2.6	2.6	2.5	2.9	2.8	2.8
24	2.8	2.7	3.0	2.7	2.6	2.7
25	2.7	2.6	2.8	2.9	2.9	2.8
26	2.8	2.4	2.3	2.9	3.1	2.9
27	2.5	2.6	2.5	2.5	2.6	2.6
28	2.5	2.4	2.4	2.5	2.6	2.7
29	2.7	2.7	2.8	2.9	3.0	2.9
30	2.7	2.8	2.8	2.9	2.9	2.9
31	2.8	2.4	2.4	2.2	2.7	2.9
MIN	2.5	2.4	2.3	2.2	2.3	2.4
MAX	3.6	3.5	3.4	3.4	3.9	3.7
AVG	2.9	2.9	2.9	2.9	3.0	3.0

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

System ID **250008-01**
Month of **May 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. 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	2.8	7	2.1	13	2.4	19	2.3	25	2.3
2	2.3	8	2.1	14	2.5	20	2.0	26	2.8
3	2.9	9	2.7	15	2.8	21	2.1	27	2.2
4	2.9	10	2.6	16	2.7	22	2.3	28	3.0
5	2.6	11	2.9	17	2.4	23	2.0	29	2.7
6	2.4	12	2.8	18	2.3	24	2.3	30	2.5
								31	2.1

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
J. H. Fewell Surface Water Treatment Plant
Turbidity Compliance Report

System ID
MONTH

250008-01
May 2018

May 2018	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	23.8	0.41	0.29	0.14
2	26.1	0.44	0.19	0.14
3	26.5	0.63	0.19	0.12
4	23.8	0.25	0.18	0.12
5	26.3	0.56	0.16	0.13
6	33.0	0.34	0.19	0.15
7	23.7	0.37	0.17	0.14
8	19.3	0.25	0.17	0.14
9	19.1	0.40	0.20	0.14
10	26.7	0.28	0.19	0.16
11	17.3	0.42	0.18	0.18
12	18.3	0.60	0.23	0.17
13	17.8	0.53	0.22	0.18
14	18.6	0.57	0.30	0.28
15	17.0	0.21	0.30	0.28
16	16.9	0.40	0.19	0.29
17	16.4	0.48	0.28	0.30
18	17.6	0.48	0.29	0.44
19	15.6	0.68	0.25	0.34
20	17.2	0.68	0.28	0.29
21	16.3	0.38	0.26	0.26
22	33.7	0.40	0.30	0.29
23	24.3	0.77	0.29	0.34
24	58.6	0.70	0.27	0.34
25	22.6	0.61	0.28	0.34
26	31.1	0.81	0.24	0.22
27	20.1	0.84	0.24	0.23
28	19.0	0.53	0.23	0.26
29	17.9	0.68	0.30	0.19
30	17.5	0.49	0.23	0.19
31	16.0	0.56	0.21	0.33
MIN	15.6	0.21	0.16	0.12
MAX	58.6	0.84	0.30	0.44
AVG	22.5	0.51	0.24	0.23

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

System ID
MONTH

250008-01
May 2018

Higher turbidities due to chlorine dioxide addition to decrease manganese levels.

May 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.12	0.12	0.12	0.12	0.13	0.14
2	0.13	0.14	0.13	0.13	0.12	0.12
3	0.12	0.12	0.12	0.12	0.12	0.12
4	0.12	0.12	0.11	0.11	0.11	0.12
5	0.11	0.11	0.13	0.12	0.12	0.12
6	0.12	0.14	0.15	0.14	0.14	0.14
7	0.12	0.12	0.13	0.13	0.14	0.13
8	0.12	0.13	0.13	0.14	0.12	0.14
9	0.14	0.14	0.14	0.14	0.14	0.13
10	0.13	0.13	0.12	0.14	0.15	0.16
11	0.14	0.13	0.17	0.17	0.18	0.16
12	0.15	0.15	0.16	0.14	0.14	0.17
13	0.18	0.18	0.17	0.17	0.18	0.18
14	0.18	0.16	0.17	0.18	0.27	0.28
15	0.28	0.25	0.22	0.21	0.19	0.23
16	0.25	0.25	0.25	0.25	0.29	0.22
17	0.24	0.23	0.22	0.22	0.30	0.26
18	0.27	0.31	0.29	0.32	0.30	0.44
19	0.34	0.31	0.32	0.31	0.29	0.27
20	0.28	0.28	0.25	0.28	0.28	0.29
21	0.24	0.21	0.22	0.23	0.24	0.26
22	0.26	0.24	0.24	0.24	0.29	0.28
23	0.23	0.34	0.30	0.30	OFF	OFF
24	0.34	0.31	0.33	0.33	OFF	OFF
25	OFF	OFF	0.32	0.34	0.33	0.24
26	0.18	0.18	0.18	0.22	0.22	0.16
27	0.12	0.12	0.11	0.19	0.22	0.23
28	0.13	0.12	0.19	0.24	0.26	0.24
29	0.17	0.15	0.18	0.18	0.19	0.19
30	0.17	0.19	0.19	0.17	0.15	0.17
31	0.18	0.17	0.22	0.33	0.29	0.29
MIN	0.11	0.11	0.11	0.11	0.11	0.12
MAX	0.34	0.34	0.33	0.34	0.33	0.44
AVG	0.19	0.19	0.19	0.20	0.20	0.20

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

System ID
MONTH

250008-01
May 2018

May 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.8	3.2	3.3	3.3	2.9	3.2
2	3.1	2.3	3.2	3.1	3.1	3.1
3	3.1	3.1	3.2	3.0	2.9	3.1
4	3.1	3.1	3.1	3.0	2.9	3.0
5	3.1	3.0	2.8	2.8	2.7	2.6
6	2.5	2.5	2.5	2.4	2.4	2.5
7	2.6	2.3	2.1	2.4	2.4	2.5
8	2.5	2.6	2.2	2.1	2.5	2.6
9	2.8	3.0	2.8	2.7	2.7	3.3
10	3.3	3.5	3.0	2.6	2.9	3.2
11	3.7	4.0	3.9	3.4	3.3	2.9
12	3.0	3.2	2.9	3.3	2.8	3.1
13	3.2	3.2	2.9	2.6	2.4	2.4
14	2.5	2.7	2.6	2.6	2.7	2.8
15	2.8	2.9	2.9	2.9	2.8	2.8
16	2.9	3.0	3.1	2.7	2.9	2.9
17	2.8	3.1	2.7	2.6	2.4	2.4
18	2.5	2.3	2.4	2.5	2.4	2.4
19	2.4	2.6	2.5	2.5	2.3	2.4
20	2.2	2.1	2.0	2.2	2.3	2.3
21	2.1	2.1	2.2	2.1	2.5	2.8
22	3.2	2.9	2.4	2.4	2.6	2.3
23	2.1	2.0	2.3	3.6	OFF	OFF
24	2.5	2.6	2.4	2.3	OFF	OFF
25	OFF	OFF	2.3	2.4	2.6	2.6
26	3.0	3.2	3.3	2.8	3.7	3.1
27	3.0	3.0	2.2	2.4	2.3	2.4
28	3.1	3.3	3.3	3.0	3.5	3.2
29	3.2	3.2	3.1	3.0	2.8	2.7
30	3.0	2.5	2.5	2.5	2.9	2.7
31	2.7	2.2	2.3	2.4	2.1	3.1
MIN	2.1	2.0	2.0	2.1	2.1	2.3
MAX	3.7	4.0	3.9	3.6	3.7	3.3
AVG	2.8	2.8	2.7	2.7	2.7	2.8

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID 250008
Month of May 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	32				
2	13				
3	23				
4					
5					
6					
7	20				
8	8				
9	29				
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
Total	125	0	0	0	0

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

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

May-18	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	0.13	0.000
17	OFF	OFF	0.17	0.000
18	OFF	OFF	0.10	0.000
19	OFF	OFF	0.28	0.000
20	OFF	OFF	0.33	0.000
21	OFF	OFF	0.10	0.000
22	OFF	OFF	0.05	0.190
23	OFF	OFF	0.37	0.000
24	OFF	OFF	0.33	0.000
25	OFF	OFF	OFF	OFF
26	OFF	OFF	OFF	OFF
27	OFF	OFF	OFF	OFF
28	OFF	OFF	0.43	0.000
29	OFF	OFF	0.18	0.000
30	OFF	OFF	0.21	0.000
31	OFF	OFF	0.26	0.000

DISTRIBUTION SITES			
DATE	SITE	ClO ₂	ClO ⁻
5/18/2018	Olympia	0.20	0.000
	Boling St	0.26	0.000
	John Hopkins	0.16	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
	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						1.25
	OBC HS2						1.22
	JHF HS1						1.29
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.25

**CITY OF JACKSON
CORROSION CONTROL DATA**

May 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	9.40	16	32	9.39	16	33	9.27	75	20
	MAX	9.65	33	42	9.77	36	39	9.29	84	32
	AVG	9.51	25	37	9.61	27	37	9.28	79	25
2	MIN	9.39	16	30	9.61	16	32	9.11	68	24
	MAX	9.54	24	36	9.77	28	37	9.25	83	30
	AVG	9.47	21	32	9.70	23	35	9.19	76	26
3	MIN	9.11	18	28	9.29	20	30	9.01	72	23
	MAX	9.42	28	39	9.59	25	37	9.26	75	29
	AVG	9.27	25	33	9.45	23	33	9.16	73	26
4	MIN	8.74	20	32	9.03	18	29	9.04	76	22
	MAX	9.22	27	37	9.47	28	38	9.16	88	32
	AVG	9.03	23	34	9.29	23	33	9.10	80	25
5	MIN	8.52	23	34	9.12	20	33	9.02	80	31
	MAX	9.14	27	38	9.35	27	38	9.22	84	44
	AVG	8.88	25	36	9.25	23	35	9.11	83	36
6	MIN	8.36	23	30	9.21	21	30	9.30	74	35
	MAX	9.34	26	33	9.47	25	34	9.34	84	49
	AVG	8.87	25	32	9.29	23	32	9.32	80	41
7	MIN	8.86	26	30	9.05	26	28	9.47	79	33
	MAX	9.29	29	35	9.34	28	34	9.53	105	38
	AVG	9.10	27	33	9.20	27	31	9.51	89	35
8	MIN	9.03	18	30	9.27	16	30	9.42	74	31
	MAX	9.46	28	33	9.39	30	35	9.61	88	41
	AVG	9.24	24	32	9.33	25	33	9.50	80	36
9	MIN	9.04	16	30	9.17	16	30	9.23	71	20
	MAX	9.38	28	36	9.53	26	34	9.51	108	36
	AVG	9.18	23	32	9.34	20	32	9.39	87	30
10	MIN	8.83	20	32	9.10	21	32	9.13	79	30
	MAX	9.15	23	37	9.40	28	38	9.20	84	38
	AVG	9.01	21	35	9.27	24	34	9.17	82	34
11	MIN	8.99	21	27	8.88	20	29	9.07	82	38
	MAX	9.12	24	34	9.31	23	32	9.34	110	46
	AVG	9.06	22	30	9.13	22	31	9.16	92	41
12	MIN	9.05	22	29	9.33	20	30	9.46	79	33
	MAX	9.16	23	32	9.45	24	35	9.58	87	42
	AVG	9.11	23	30	9.37	22	32	9.50	84	37
13	MIN	8.92	21	27	8.82	21	26	9.35	71	37
	MAX	9.12	27	34	9.39	27	32	9.48	83	52
	AVG	9.04	24	30	9.24	24	30	9.40	76	46
14	MIN	8.27	23	27	8.96	24	30	9.19	75	27
	MAX	9.31	28	34	9.34	26	32	9.29	78	35
	AVG	9.05	25	31	9.18	25	31	9.26	77	30
15	MIN	8.95	20	30	9.18	19	30	9.09	73	28
	MAX	9.20	26	34	9.52	28	35	9.11	79	35
	AVG	9.12	24	31	9.29	24	32	9.10	77	32
16	MIN	8.77	17	28	9.06	17	29	9.04	75	30
	MAX	9.07	29	31	9.52	27	33	9.23	81	36
	AVG	8.95	23	30	9.32	23	31	9.11	78	34

**CITY OF JACKSON
CORROSION CONTROL DATA**

May 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	7.96	17	26	8.98	16	28	9.01	68	27
	MAX	8.69	25	35	9.50	26	34	9.43	81	38
	AVG	8.42	22	30	9.18	22	31	9.26	75	34
18	MIN	7.48	20	27	8.74	19	30	9.16	79	36
	MAX	9.26	23	34	9.28	28	34	9.26	80	42
	AVG	8.58	21	31	9.07	22	33	9.22	80	38
19	MIN	8.98	18	30	9.06	21	30	9.40	72	35
	MAX	9.21	26	33	9.36	26	34	9.46	82	40
	AVG	9.11	23	32	9.17	24	32	9.42	77	37
20	MIN	7.69	24	28	8.40	23	25	9.11	64	33
	MAX	9.06	27	34	9.07	29	35	9.44	78	37
	AVG	8.33	26	31	8.86	26	31	9.24	70	35
21	MIN	8.59	21	28	9.14	25	30	9.06	72	28
	MAX	9.24	27	34	9.39	29	35	9.23	81	40
	AVG	9.02	25	31	9.22	27	31	9.13	77	32
22	MIN	9.13	21	30	9.20	20	30	9.00	76	35
	MAX	9.38	29	34	9.54	30	35	9.33	93	38
	AVG	9.28	26	32	9.36	25	33	9.21	85	37
23	MIN	8.83	23	32	9.27	21	30	9.03	68	30
	MAX	9.41	27	36	9.49	29	34	9.27	75	33
	AVG	9.16	25	34	9.36	26	32	9.18	72	32
24	MIN	8.80	21	39	8.56	24	37	9.08	67	22
	MAX	9.30	25	49	9.39	27	42	9.47	73	38
	AVG	9.09	23	43	9.07	25	39	9.24	69	29
25	MIN	9.07	22	34	9.06	18	35	9.17	73	33
	MAX	9.60	26	42	9.40	28	40	9.90	96	42
	AVG	9.44	24	40	9.30	23	38	9.47	83	38
26	MIN	9.33	22	33	8.29	19	33	9.30	72	28
	MAX	9.48	27	39	9.42	25	42	9.58	80	32
	AVG	9.39	25	36	9.05	23	39	9.48	76	31
27	MIN	8.99	24	30	9.22	24	32	9.24	64	27
	MAX	9.40	29	49	9.54	29	41	9.57	79	36
	AVG	9.17	26	37	9.32	27	35	9.38	71	30
28	MIN	9.07	24	30	9.11	23	30	9.13	71	33
	MAX	9.46	29	34	9.41	29	38	9.31	77	37
	AVG	9.30	26	32	9.28	27	34	9.24	74	34
29	MIN	9.08	24	29	9.12	22	32	9.09	65	25
	MAX	9.39	27	39	9.61	28	38	9.42	73	35
	AVG	9.30	25	35	9.40	26	36	9.23	69	29
30	MIN	9.23	22	35	9.42	24	35	9.17	67	30
	MAX	9.42	26	39	9.65	29	41	9.37	73	36
	AVG	9.37	24	37	9.55	27	38	9.27	71	32
31	MIN	9.07	21	32	9.25	18	35	9.22	65	28
	MAX	9.46	28	42	9.69	30	41	9.41	83	37
	AVG	9.23	25	37	9.50	24	38	9.31	75	33
MONTHLY MIN		7.48	16	26	8.29	16	25	9.00	64	20
MONTHLY MAX		9.65	33	49	9.77	36	42	9.90	110	52
MONTHLY AVG		9.10	24	34	9.30	24	34	9.28	78	33