

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

System ID **250008-02**
Month of **January 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	2.2	7	2.1	13	2.2	19	2.2	25	2.0
2	2.2	8	2.1	14	2.0	20	2.0	26	2.1
3	2.1	9	2.3	15	2.1	21	3.3	27	2.0
4	2.1	10	2.1	16	2.1	22	3.2	28	2.1
5	2.0	11	2.0	17	2.0	23	2.9	29	2.1
6	2.1	12	2.9	18	2.0	24	2.7	30	2.3
								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
January 2018

Jan 2018	TURBIDITIES (NTU)		
	RAW	SETTLED	FINISHED
1	11.09	0.53	0.04
2	13.36	0.58	0.04
3	10.4	1.39	0.04
4	15.7	1.07	0.04
5	12.5	1.23	0.06
6	9.75	0.80	0.05
7	8.13	0.83	0.05
8	8.42	0.78	0.05
9	9.94	0.87	0.03
10	12.0	0.95	0.06
11	9.48	0.90	0.05
12	9.19	0.65	0.03
13	17.6	0.78	0.30
14	13.1	0.83	0.03
15	13.1	0.92	0.04
16	10.7	0.93	0.05
17	12.1	0.76	0.05
18	11.8	0.69	0.05
19	8.93	0.76	0.06
20	11.3	0.80	0.07
21	8.82	0.84	0.08
22	8.52	0.87	0.04
23	9.93	1.06	0.05
24	8.66	1.03	0.04
25	10.1	0.72	0.05
26	7.77	0.88	0.09
27	7.90	0.87	0.05
28	8.07	0.78	0.05
29	8.46	1.23	0.27
30	11.6	1.39	0.05
31	10.0	0.81	0.09
MIN	7.77	0.53	0.03
MAX	17.6	1.39	0.30
AVG	10.6	0.89	0.05

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

System ID
Month Of

250008-02
January 2018

Jan 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.04	0.04	0.04	0.04	0.04	0.04
2	0.03	0.03	0.03	0.03	0.03	0.04
3	0.04	0.03	0.03	0.02	0.02	0.04
4	0.04	0.04	0.04	0.04	0.03	0.04
5	0.03	0.04	0.05	0.04	0.04	0.06
6	0.05	0.05	0.05	0.05	0.04	0.05
7	0.04	0.04	0.04	0.04	0.04	0.05
8	0.05	0.04	0.04	0.04	0.03	0.03
9	0.03	0.03	0.03	0.03	0.03	0.03
10	0.03	0.03	0.03	0.06	0.04	0.05
11	0.04	0.04	0.04	0.04	0.05	0.04
12	0.03	0.02	0.02	0.02	0.02	0.03
13	0.02	0.02	0.03	0.30	0.03	0.03
14	0.02	0.03	0.03	0.03	0.03	0.03
15	0.03	0.03	0.03	0.03	0.03	0.04
16	0.03	0.04	0.04	0.05	0.05	0.05
17	0.04	0.03	0.04	0.04	0.04	0.05
18	0.04	0.04	0.04	0.04	0.04	0.05
19	0.04	0.05	0.04	0.04	0.05	0.06
20	0.06	0.06	0.07	0.07	0.06	0.05
21	0.05	0.08	0.04	0.04	0.04	0.04
22	0.04	0.04	0.04	0.04	0.04	0.04
23	0.04	0.04	0.04	0.04	0.04	0.05
24	0.04	0.04	0.04	0.04	0.04	0.04
25	0.04	0.04	0.05	0.05	0.05	0.05
26	0.05	0.09	0.04	0.04	0.04	0.04
27	0.04	0.04	0.04	0.04	0.04	0.05
28	0.04	0.04	0.04	0.04	0.05	0.05
29	0.06	0.07	0.06	0.27	0.22	0.08
30	0.05	0.05	0.05	0.05	0.05	0.05
31	0.09	0.05	0.05	0.05	0.05	0.05
MIN	0.02	0.02	0.02	0.02	0.02	0.03
MAX	0.09	0.09	0.07	0.30	0.22	0.08
AVG	0.04	0.04	0.04	0.06	0.05	0.05

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

System ID
Month Of

250008-02
January 2018

Jan 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.5	3.2	3.2	3.2	2.2	2.3
2	2.2	2.5	2.6	2.6	2.5	2.3
3	3.5	3.4	2.5	2.2	2.1	2.5
4	2.5	2.3	2.2	2.1	3.5	3.7
5	2.1	2.0	2.5	3.3	2.1	2.1
6	3.4	2.6	2.1	2.6	2.2	2.1
7	3.7	3.6	2.1	2.5	3.6	2.9
8	2.7	2.1	2.1	2.4	3.2	2.3
9	3.3	3.5	2.4	2.5	3.5	2.3
10	2.3	3.2	3.5	3.4	2.8	2.1
11	2.3	2.1	2.0	2.2	2.2	2.4
12	2.9	3.0	2.9	2.9	3.0	3.1
13	2.5	3.2	3.1	2.2	3.2	3.3
14	2.6	2.4	2.1	2.0	2.4	2.1
15	2.3	2.3	3.3	2.1	3.2	2.5
16	3.2	2.1	2.2	3.5	3.6	3.4
17	3.2	2.0	2.1	3.3	3.0	2.2
18	3.3	3.5	2.0	2.3	2.0	3.7
19	2.2	2.2	2.2	3.8	2.3	3.8
20	3.6	3.6	2.3	2.1	2.0	2.3
21	3.6	3.6	3.3	3.4	3.3	3.8
22	3.5	3.4	3.6	3.3	3.2	3.2
23	3.2	3.4	3.3	3.6	2.9	3.0
24	3.7	3.5	2.7	3.5	3.5	3.5
25	2.2	2.0	2.9	3.7	3.8	3.6
26	3.4	3.6	3.5	2.1	2.2	2.8
27	3.4	3.0	2.6	2.0	3.2	3.4
28	2.4	3.4	2.1	3.5	2.3	3.6
29	3.3	3.5	2.2	2.1	2.6	2.7
30	3.0	2.4	2.3	2.9	2.9	3.1
31	3.0	3.1	3.1	2.2	3.3	3.3
MIN	2.1	2.0	2.0	2.0	2.0	2.1
MAX	3.7	3.6	3.6	3.8	3.8	3.8
AVG	2.9	2.9	2.6	2.8	2.8	2.9

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

System ID **250008-02**
Month of **January 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. 99.9%

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

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

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

1	3.0	7	2.1	13	3.0	19	3.5	25	2.2
2	3.2	8	2.8	14	3.0	20	2.9	26	1.8
3	3.3	9	2.9	15	3.2	21	3.5	27	1.1
4	3.2	10	3.1	16	3.5	22	3.4	28	2.9
5	3.4	11	2.7	17	3.2	23	2.7	29	1.5
6	1.8	12	2.9	18	3.3	24	3.1	30	2.3
								31	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. 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
 January 2018

Jan 2018	TURBIDITIES (NTU)	
	RAW	FINISHED
1	11.09	0.13
2	13.36	0.09
3	10.4	0.07
4	15.7	0.12
5	12.5	0.11
6	9.75	0.10
7	8.13	0.12
8	8.42	0.09
9	9.94	0.14
10	12.0	0.04
11	9.48	0.04
12	9.19	0.04
13	17.6	0.03
14	13.1	0.15
15	13.1	0.03
16	10.7	0.03
17	12.1	0.04
18	11.8	0.03
19	8.93	0.04
20	11.3	0.04
21	8.82	0.12
22	8.52	0.03
23	9.93	0.04
24	8.66	0.06
25	10.1	0.03
26	7.77	0.13
27	7.90	0.09
28	8.07	0.15
29	8.46	0.11
30	11.6	0.03
31	10.0	0.08
MIN	7.77	0.03
MAX	17.6	0.15
AVG	10.59	0.08

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

System ID
Month Of

250008-02
January 2018

Jan 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.13	0.12	0.03	0.03	0.03	0.03
2	0.03	0.03	0.03	0.03	0.09	0.03
3	0.03	0.07	0.03	0.03	0.03	0.03
4	0.03	0.12	0.12	0.12	0.03	0.04
5	0.03	0.11	0.05	0.04	0.04	0.03
6	0.03	0.10	0.03	0.09	0.04	0.03
7	0.04	0.03	0.04	0.03	0.03	0.12
8	0.03	0.09	0.03	0.03	0.03	0.03
9	0.03	0.03	0.03	0.14	0.03	0.03
10	0.03	0.04	0.04	0.03	0.04	0.03
11	0.03	0.03	0.04	0.04	0.03	0.03
12	0.04	0.03	0.03	0.03	0.03	0.03
13	0.03	0.03	0.03	0.03	0.03	0.03
14	0.04	0.03	0.03	0.03	0.15	0.14
15	0.03	0.03	0.03	0.03	0.03	0.03
16	0.03	0.03	0.03	0.03	0.03	0.03
17	0.03	0.04	0.03	0.03	0.03	0.03
18	0.03	0.03	0.03	0.03	0.03	0.03
19	0.03	0.03	0.04	0.04	0.03	0.04
20	0.04	0.04	0.03	0.02	0.03	0.03
21	0.03	0.03	0.03	0.12	0.03	0.03
22	0.03	0.03	0.03	0.03	0.03	0.03
23	0.03	0.03	0.04	0.03	0.03	0.03
24	0.03	0.06	0.03	0.03	0.03	0.03
25	0.03	0.03	0.03	0.03	0.03	0.03
26	0.03	0.13	0.03	0.03	0.03	0.03
27	0.09	0.02	0.03	0.03	0.02	0.02
28	0.15	0.02	0.15	0.02	0.04	0.02
29	0.02	0.10	0.11	0.08	0.02	0.03
30	0.03	0.03	0.02	0.02	0.03	0.03
31	0.03	0.08	0.03	0.04	0.08	0.03
MIN	0.02	0.02	0.02	0.02	0.02	0.02
MAX	0.15	0.13	0.15	0.14	0.15	0.14
AVG	0.04	0.05	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
January 2018

Jan 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.1	3.0	3.1	3.2	3.2	3.3
2	3.2	3.4	3.4	3.4	3.4	3.5
3	3.3	3.4	3.4	3.5	3.5	3.5
4	3.3	3.2	3.9	3.5	4.0	4.0
5	4.0	3.6	3.4	3.5	3.8	3.7
6	3.2	2.4	2.4	1.8	3.6	3.9
7	3.4	3.5	3.4	2.7	2.1	2.8
8	2.8	2.9	3.1	3.2	3.1	3.1
9	3.2	3.3	3.1	3.2	2.9	3.3
10	3.4	3.3	3.1	3.1	3.5	3.2
11	3.1	3.2	2.7	3.3	3.2	2.9
12	3.0	3.1	3.1	2.9	3.0	3.8
13	3.1	3.0	3.1	3.2	3.2	3.0
14	3.0	3.5	3.2	3.4	3.5	3.5
15	3.5	3.4	3.5	3.2	3.5	3.4
16	3.5	3.5	3.6	3.6	3.5	3.6
17	3.6	3.5	3.6	3.5	3.3	3.2
18	3.3	3.4	3.7	3.8	3.8	3.6
19	3.6	3.5	3.8	3.8	3.7	3.6
20	3.6	3.7	2.9	3.5	3.6	3.4
21	4.0	4.0	3.7	3.6	3.5	3.6
22	3.5	3.6	3.4	3.5	3.6	3.6
23	3.5	3.4	3.3	2.9	2.7	3.3
24	3.1	3.2	3.3	3.2	3.2	3.3
25	3.4	3.4	3.5	2.9	2.4	2.2
26	2.7	2.9	3.1	2.5	1.9	1.8
27	1.1	1.5	2.4	2.5	3.0	3.1
28	2.9	3.1	3.2	3.4	3.5	3.5
29	3.5	3.7	3.7	2.7	1.5	2.3
30	2.3	3.0	3.4	3.6	2.6	3.0
31	3.3	3.0	2.6	3.0	3.2	3.1
MIN	1.1	1.5	2.4	1.8	1.5	1.8
MAX	4.0	4.0	3.9	3.8	4.0	4.0
AVG	3.2	3.2	3.3	3.2	3.2	3.3

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

System ID **250008-01**
Month of **January 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. 99.9%
- 3. Number of filters that exceeded 0.5 NTU in 2 consecutive readings taken 15 min. apart after first four hours of operation. NONE
- 4. Number of filters that exceeded 1.0 NTU in 2 consecutive readings taken 15 min. apart in 3 consecutive months. NONE
- 5. Lowest daily disinfectant concentration entering the distribution system in mg/l.

1	3.6	7	3.2	13	3.0	19	3.3	25	3.1
2	3.4	8	2.8	14	2.9	20	3.2	26	2.0
3	2.9	9	3.1	15	2.9	21	3.1	27	2.6
4	3.2	10	3.2	16	2.7	22	2.6	28	2.3
5	3.2	11	3.1	17	1.8	23	2.0	29	3.1
6	3.3	12	2.8	18	3.5	24	2.1	30	2.8
								31	3.4

- 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
January 2018

Jan 2018	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	13.2	0.90	0.26	0.14
2	11.3	1.38	0.22	0.12
3	12.6	0.83	0.22	0.17
4	9.79	1.21	0.29	0.21
5	12.0	0.97	0.28	0.24
6	13.2	0.83	0.20	0.18
7	11.9	1.01	0.23	0.21
8	36.1	0.97	0.25	0.25
9	32.1	0.91	0.20	0.17
10	33.1	1.39	0.24	0.18
11	29.1	0.96	0.22	0.20
12	31.2	0.91	0.16	0.17
13	27.5	0.91	0.16	0.16
14	21.2	1.05	0.27	0.17
15	19.0	1.01	0.20	0.18
16	17.9	0.85	0.19	0.16
17	20.1	0.92	0.21	0.15
18	16.1	1.09	0.22	0.18
19	13.5	1.10	0.24	0.18
20	13.0	1.04	0.18	0.22
21	14.5	0.86	0.24	0.22
22	93.0	0.97	0.28	0.24
23	93.5	1.13	0.20	0.32
24	86.3	0.76	0.20	0.32
25	16.9	0.86	0.24	0.13
26	16.4	0.74	0.21	0.15
27	18.3	0.81	0.30	0.18
28	17.8	0.91	0.24	0.16
29	15.2	0.83	0.23	0.28
30	13.7	0.92	0.18	0.28
31	18.1	0.89	0.21	0.12
MIN	9.79	0.74	0.16	0.12
MAX	93.5	1.39	0.30	0.32
AVG	25.7	0.97	0.22	0.19

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

System ID
MONTH

250008-01
January 2018

Jan 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.14	0.14	0.13	0.13	0.13	0.12
2	0.11	0.11	0.11	0.10	0.11	0.12
3	0.13	0.15	0.15	0.15	0.16	0.17
4	0.18	0.20	0.21	0.21	0.20	0.18
5	0.17	0.18	0.24	0.17	0.14	0.14
6	0.13	0.14	0.15	0.15	0.18	0.17
7	0.18	0.19	0.21	0.21	0.21	0.20
8	0.22	0.23	0.22	0.25	0.24	0.19
9	0.16	0.17	0.16	0.16	0.14	0.14
10	0.14	0.16	0.18	0.18	0.16	0.16
11	0.16	0.17	0.17	0.20	0.19	0.18
12	0.17	0.16	0.17	0.16	0.16	0.15
13	0.14	0.15	0.16	0.16	0.16	0.16
14	0.16	0.17	0.17	0.17	0.17	0.16
15	0.17	0.18	0.18	0.17	0.17	0.16
16	0.15	0.14	0.14	0.16	0.15	0.15
17	0.15	0.14	0.14	0.14	0.14	0.13
18	0.14	0.15	0.16	0.18	0.17	0.18
19	0.15	0.16	0.17	0.15	0.16	0.18
20	0.22	0.20	0.22	0.19	0.17	0.20
21	0.18	0.18	0.19	0.22	0.20	0.19
22	0.19	0.19	0.24	0.22	0.20	0.17
23	0.15	0.15	0.32	0.19	0.18	0.19
24	0.17	0.32	0.16	0.15	0.15	0.13
25	0.11	0.12	0.12	0.13	0.13	0.12
26	0.13	0.13	0.13	0.15	0.14	0.14
27	0.13	0.14	0.13	0.18	0.14	0.14
28	0.13	0.14	0.15	0.16	0.16	0.16
29	0.24	0.21	0.28	0.27	0.22	0.27
30	0.28	0.26	0.25	0.09	0.10	0.10
31	0.10	0.12	0.10	0.10	0.10	0.09
MIN	0.10	0.11	0.10	0.09	0.10	0.09
MAX	0.28	0.32	0.32	0.27	0.24	0.27
AVG	0.16	0.17	0.18	0.17	0.16	0.16

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

System ID
MONTH

250008-01
January 2018

Jan 2018	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.9	4.0	4.0	4.0	3.8	3.6
2	3.6	3.5	3.4	3.4	3.4	3.4
3	3.0	2.9	2.9	3.1	3.3	3.1
4	3.3	3.3	3.2	3.3	3.3	3.2
5	3.2	3.3	3.2	3.3	3.3	3.3
6	3.3	3.4	3.4	3.3	3.3	3.3
7	3.3	3.2	3.2	3.3	3.3	3.3
8	3.2	2.8	3.3	3.2	3.2	3.2
9	3.2	3.1	3.1	3.1	3.1	3.2
10	3.2	3.2	3.2	3.2	3.2	3.2
11	3.2	3.2	3.1	3.4	3.2	3.1
12	3.2	3.3	3.3	2.8	2.8	2.9
13	3.0	3.0	3.0	3.0	3.2	3.3
14	3.4	3.3	3.2	3.3	2.9	3.0
15	3.0	3.0	3.1	2.9	3.1	3.2
16	3.3	3.0	3.3	3.3	3.6	2.7
17	3.4	3.2	3.0	1.8	3.7	4.0
18	3.7	3.5	3.5	3.5	3.9	4.0
19	3.4	3.4	3.3	3.8	3.7	3.6
20	3.5	3.3	3.8	3.7	3.6	3.2
21	3.2	3.1	3.2	3.4	3.3	3.7
22	3.5	3.6	4.0	3.3	2.7	2.6
23	3.8	2.1	2.0	2.0	2.6	2.0
24	3.8	2.1	3.0	3.1	3.0	3.4
25	3.3	3.1	3.1	3.3	3.1	3.7
26	3.1	2.3	3.1	3.2	3.1	2.0
27	3.7	3.5	3.2	3.5	3.2	2.6
28	3.6	3.5	3.5	3.2	2.3	3.3
29	3.9	3.8	3.6	3.8	3.1	3.2
30	2.8	3.2	2.9	3.6	3.0	4.0
31	4.0	4.0	4.0	3.8	3.8	3.4
MIN	2.8	2.1	2.0	1.8	2.3	2.0
MAX	4.0	4.0	4.0	4.0	3.9	4.0
AVG	3.4	3.2	3.3	3.2	3.2	3.2

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID 250008
Month of January 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	9				
3	25				
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17	20				
18	45				
19	26				
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**

Jan-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	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**

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
	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						1.12
	OBC HS2						1.30
	JHF HS1						1.32
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.24

**CITY OF JACKSON
CORROSION CONTROL DATA**

January 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	9.38	18	24	9.41	20	27	8.83	62	22
	MAX	9.47	22	27	9.46	21	29	9.50	71	34
	AVG	9.41	20	25	9.43	20	28	9.08	67	29
2	MIN	8.74	18	24	8.91	20	24	9.31	65	27
	MAX	9.27	27	31	9.28	25	27	9.62	77	29
	AVG	9.12	23	27	9.17	23	25	9.49	72	28
3	MIN	9.24	16	25	9.10	15	25	9.19	72	25
	MAX	9.26	23	36	9.25	22	31	9.44	84	36
	AVG	9.25	19	31	9.20	19	29	9.27	77	31
4	MIN	8.56	17	24	8.92	17	26	9.30	72	23
	MAX	9.29	31	38	9.22	27	33	9.86	76	38
	AVG	8.99	22	29	9.06	22	29	9.50	74	32
5	MIN	8.65	17	28	8.78	12	25	9.27	66	27
	MAX	9.31	30	32	9.41	24	34	9.71	72	33
	AVG	8.95	21	30	9.18	16	29	9.45	70	31
6	MIN	8.76	14	26	9.02	11	20	9.26	75	23
	MAX	9.18	16	27	9.21	12	26	9.39	84	26
	AVG	9.02	15	27	9.11	12	23	9.32	79	25
7	MIN	7.13	20	29	7.39	15	23	9.23	65	29
	MAX	9.33	23	30	9.64	29	32	9.46	73	44
	AVG	8.57	21	30	8.82	24	29	9.32	70	36
8	MIN	8.59	26	28	9.08	29	30	9.06	67	27
	MAX	9.42	32	35	9.58	33	36	9.38	72	44
	AVG	9.15	29	31	9.38	31	32	9.23	70	35
9	MIN	7.50	27	26	8.42	30	29	8.96	70	32
	MAX	8.44	29	28	9.36	30	29	8.98	78	38
	AVG	8.03	28	27	8.91	30	29	8.97	74	35
10	MIN	6.48	11	16	6.84	12	14	8.97	72	26
	MAX	7.70	34	36	8.95	31	33	9.36	76	41
	AVG	7.08	23	27	7.55	22	24	9.16	74	34
11	MIN	7.11	25	25	7.89	23	22	8.86	75	34
	MAX	8.98	29	35	9.12	27	29	9.25	87	41
	AVG	8.22	27	29	8.58	26	26	9.06	80	38
12	MIN	7.37	14	26	6.84	14	25	9.31	72	38
	MAX	9.35	32	36	9.84	31	35	9.43	75	39
	AVG	8.61	21	30	8.94	22	30	9.38	73	38
13	MIN	8.97	13	24	9.21	14	24	9.45	72	37
	MAX	9.41	16	29	9.51	18	28	9.47	78	39
	AVG	9.30	15	27	9.39	16	26	9.46	74	38
14	MIN	9.04	15	28	8.95	16	23	9.18	78	36
	MAX	9.21	26	36	9.24	22	26	9.51	81	40
	AVG	9.14	21	31	9.06	18	24	9.39	80	38
15	MIN	9.10	16	26	9.06	18	23	9.32	77	35
	MAX	9.30	25	30	9.17	23	30	9.38	83	43
	AVG	9.21	20	28	9.10	20	26	9.35	80	39
16	MIN	9.13	18	27	9.14	17	26	9.34	73	31
	MAX	9.83	27	31	9.76	27	28	9.60	89	44
	AVG	9.34	24	29	9.32	23	27	9.48	79	36

**CITY OF JACKSON
CORROSION CONTROL DATA**

January 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	9.52	18	21	9.22	16	24	9.27	68	27
	MAX	9.88	24	30	9.49	24	28	9.54	91	32
	AVG	9.69	21	26	9.34	19	26	9.44	78	29
18	MIN	9.17	19	21	8.87	19	24	9.25	67	27
	MAX	9.52	29	39	9.34	27	33	9.37	75	37
	AVG	9.43	24	30	9.07	25	28	9.29	72	33
19	MIN	9.28	24	30	8.91	24	29	7.26	68	21
	MAX	9.75	31	39	9.35	29	34	9.56	73	33
	AVG	9.54	28	33	9.17	27	32	8.61	70	28
20	MIN	9.28	16	30	8.31	16	27	9.25	69	26
	MAX	9.88	22	34	9.26	26	32	9.82	72	30
	AVG	9.60	18	32	8.87	19	29	9.59	71	28
21	MIN	8.38	19	25	8.97	20	24	9.40	61	32
	MAX	9.60	25	31	9.30	27	31	9.58	72	41
	AVG	8.99	23	28	9.11	23	27	9.48	66	36
22	MIN	8.23	22	22	7.60	26	28	9.13	69	26
	MAX	9.16	28	30	9.61	31	33	9.36	76	33
	AVG	8.94	25	26	8.90	28	30	9.27	71	29
23	MIN	9.01	13	20	8.96	11	23	9.26	76	35
	MAX	9.36	25	27	9.37	27	26	9.62	79	37
	AVG	9.16	19	24	9.12	19	24	9.39	77	36
24	MIN	7.22	19	23	8.11	25	23	9.33	81	27
	MAX	9.75	24	31	9.53	27	31	9.84	94	37
	AVG	8.85	21	27	8.96	26	27	9.58	89	31
25	MIN	8.61	12	24	7.42	17	25	9.46	64	22
	MAX	9.33	23	38	9.53	23	29	9.53	75	35
	AVG	9.05	17	30	8.85	20	27	9.50	70	30
26	MIN	9.35	11	26	9.49	9	28	9.46	64	22
	MAX	9.72	20	44	9.86	21	40	9.63	71	33
	AVG	9.57	15	34	9.64	14	33	9.55	68	29
27	MIN	9.36	11	32	8.71	13	25	9.47	62	29
	MAX	9.44	30	39	9.11	24	32	9.67	66	37
	AVG	9.40	23	35	8.89	20	29	9.58	64	33
28	MIN	9.42	21	27	8.76	20	23	9.31	73	27
	MAX	9.89	29	39	9.31	26	31	9.35	86	31
	AVG	9.70	25	32	8.98	23	28	9.34	78	30
29	MIN	9.43	10	36	9.16	13	25	9.47	68	33
	MAX	9.93	27	39	9.51	23	32	9.51	73	38
	AVG	9.60	19	37	9.35	18	28	9.49	71	35
30	MIN	9.41	17	25	9.10	18	27	9.29	76	25
	MAX	9.63	23	30	9.24	20	36	9.63	84	33
	AVG	9.52	19	28	9.19	19	31	9.48	81	29
31	MIN	9.25	17	28	8.90	15	25	9.35	69	23
	MAX	9.66	30	38	9.28	25	31	9.51	80	37
	AVG	9.41	23	34	9.10	22	28	9.42	75	29
MONTHLY MIN		6.48	10	16	6.84	9	14	7.26	61	21
MONTHLY MAX		9.93	34	44	9.86	33	40	9.86	94	44
MONTHLY AVG		9.08	22	30	9.05	21	28	9.35	74	33