

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

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

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

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 99.8%

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

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

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

1	2.6	7	1.4	13	2.8	19	2.4	25	2.6
2	2.8	8	3.0	14	2.4	20	2.2	26	2.5
3	2.9	9	2.9	15	2.5	21	2.3	27	2.4
4	2.9	10	3.1	16	2.0	22	2.4	28	2.6
5	2.6	11	3.2	17	2.1	23	2.4	29	2.4
6	1.6	12	2.9	18	1.9	24	1.8	30	2.2
								31	1.7

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

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 128

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

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

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

System ID
 Month Of

250008-02
 May 2019

May 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FILTERS
1	21.9	0.95	0.16
2	22.6	0.76	0.17
3	19.1	0.79	0.18
4	18.4	0.98	0.34
5	16.1	0.78	0.18
6	19.0	0.79	0.37
7	14.9	0.64	0.21
8	14.2	0.58	0.18
9	15.8	0.67	0.27
10	15.3	0.53	0.26
11	14.9	0.75	0.18
12	15.7	0.85	0.19
13	17.2	0.83	0.18
14	16.3	0.76	0.19
15	22.5	0.94	0.17
16	20.4	0.90	0.17
17	17.1	0.86	0.37
18	12.7	0.72	0.21
19	12.9	0.72	0.17
20	32.4	0.66	0.29
21	18.0	0.79	0.17
22	17.5	0.78	0.12
23	22.6	0.65	0.12
24	22.0	0.61	0.12
25	18.9	0.52	0.12
26	16.6	0.55	0.12
27	16.3	0.51	0.12
28	17.0	0.53	0.12
29	16.0	0.96	0.12
30	17.1	0.63	0.35
31	16.4	0.59	0.23
MIN	12.7	0.51	0.12
MAX	32.4	0.98	0.37
AVG	18.0	0.73	0.16

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

System ID
Month Of

250008-02
May 2019

May 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.16	0.16	0.15	0.14	0.14	0.14
2	0.17	0.15	0.15	0.14	0.14	0.15
3	0.18	0.15	0.15	0.14	0.14	0.15
4	0.34	0.18	0.18	0.17	0.16	0.15
5	0.18	0.15	0.16	0.15	0.15	0.14
6	0.18	0.34	0.17	0.19	0.18	0.37
7	0.21	0.18	0.17	0.17	0.17	0.17
8	0.18	0.17	0.18	0.16	0.16	0.16
9	0.19	0.27	0.16	0.16	0.16	0.17
10	0.20	0.26	0.19	0.18	0.18	0.18
11	0.15	0.17	0.18	0.18	0.18	0.17
12	0.19	0.16	0.15	0.15	0.14	0.14
13	0.17	0.18	0.15	0.16	0.15	0.16
14	0.18	0.17	0.19	0.15	0.15	0.13
15	0.17	0.10	0.11	0.11	0.12	0.13
16	0.17	0.17	0.16	0.17	0.16	0.17
17	0.19	0.21	0.22	0.19	0.19	0.37
18	0.21	0.20	0.18	0.17	0.15	0.14
19	0.17	0.16	0.14	0.14	0.15	0.16
20	0.18	0.29	0.18	0.28	0.16	0.15
21	0.17	0.14	0.13	0.12	0.12	0.12
22	0.12	0.12	0.12	0.12	0.12	0.12
23	0.12	0.12	0.12	0.12	0.12	0.12
24	0.12	0.12	0.12	0.12	0.12	0.12
25	0.12	0.12	0.12	0.12	0.12	0.12
26	0.12	0.12	0.12	0.12	0.12	0.12
27	0.12	0.12	0.12	0.12	0.12	0.12
28	0.12	0.12	0.12	0.12	0.12	0.12
29	0.12	0.12	0.12	0.12	0.12	0.12
30	0.12	0.12	0.12	0.35	0.20	0.20
31	0.21	0.21	0.15	0.23	0.14	0.15
MIN	0.12	0.10	0.11	0.11	0.12	0.12
MAX	0.34	0.34	0.22	0.35	0.20	0.37
AVG	0.17	0.17	0.15	0.16	0.15	0.16

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

System ID
 Month Of

250008-02
 May 2019

May 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.0	3.1	2.6	2.8	3.0	2.9
2	2.8	2.9	2.9	3.2	2.8	2.9
3	3.0	3.0	2.9	3.1	3.2	3.3
4	3.2	3.3	3.2	3.1	2.9	3.0
5	2.8	2.8	2.6	2.8	3.0	3.0
6	3.1	3.2	3.2	3.3	2.0	1.6
7	1.4	3.6	4.0	4.0	3.2	3.2
8	3.0	3.1	3.2	4.0	3.2	3.2
9	3.2	3.1	3.2	2.9	3.5	3.7
10	3.5	3.4	3.2	3.2	3.4	3.1
11	3.2	3.2	3.3	3.3	3.3	3.3
12	3.2	3.1	3.2	3.0	2.9	3.3
13	3.2	3.1	3.2	3.0	3.1	2.8
14	2.9	2.9	2.4	2.6	2.6	2.4
15	2.5	2.8	2.8	3.0	2.7	2.7
16	2.0	3.0	2.7	2.5	2.4	2.6
17	2.6	2.8	2.6	2.8	3.0	2.1
18	2.1	1.9	2.2	2.4	2.5	2.6
19	2.8	2.7	2.8	2.8	2.8	2.4
20	3.1	2.2	2.3	2.5	2.6	2.7
21	2.6	2.7	2.6	2.8	2.5	2.3
22	2.4	2.8	2.5	2.6	2.9	3.1
23	3.0	2.9	2.4	2.5	2.7	2.7
24	2.7	2.8	1.8	1.9	2.2	2.4
25	2.6	2.8	2.9	3.0	2.9	2.8
26	2.7	2.9	2.8	2.8	2.5	2.7
27	2.7	2.5	2.4	2.4	2.5	2.8
28	2.7	2.8	2.8	2.6	2.7	2.8
29	2.4	2.5	2.5	2.5	2.4	2.4
30	2.5	2.8	2.5	2.2	2.6	2.4
31	2.7	2.9	1.8	1.7	1.8	1.9
MIN	1.4	1.9	1.8	1.7	1.8	1.6
MAX	3.5	3.6	4.0	4.0	3.5	3.7
AVG	2.8	2.9	2.8	2.8	2.8	2.7

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

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

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

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 99.3%

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	2.2	13	2.9	19	2.2	25	2.5
2	2.4	8	2.8	14	2.4	20	1.6	26	2.3
3	2.6	9	2.8	15	2.3	21	2.0	27	2.3
4	2.3	10	2.7	16	1.6	22	1.9	28	2.1
5	2.2	11	3.1	17	1.9	23	2.1	29	2.6
6	1.5	12	2.7	18	2.3	24	1.8	30	2.8
								31	2.4

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. 128

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

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

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

System ID
Month Of

250008-02
May 2019

May 2019	TURBIDITIES (NTU)	
	RAW	TRAINS
1	21.9	0.13
2	22.6	0.12
3	19.1	0.14
4	18.4	0.15
5	16.1	0.13
6	19.0	0.14
7	14.9	0.15
8	14.2	0.15
9	15.8	0.13
10	15.3	0.19
11	14.9	0.16
12	15.7	0.14
13	17.2	0.13
14	16.3	0.13
15	22.5	0.15
16	20.4	0.17
17	17.1	0.15
18	12.7	0.13
19	12.9	0.15
20	32.4	0.17
21	18.0	0.14
22	17.5	0.16
23	22.6	0.14
24	22.0	0.15
25	18.9	0.13
26	16.6	0.13
27	16.3	0.15
28	17.0	0.14
29	16.0	0.15
30	17.1	0.15
31	16.4	0.14
MIN	12.7	0.12
MAX	32.4	0.19
AVG	18.0	0.14

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

System ID
Month Of

250008-02
May 2019

May 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.13	0.09	0.10	0.10	0.10	0.12
2	0.09	0.10	0.09	0.10	0.10	0.12
3	0.14	0.14	0.10	0.13	0.12	0.14
4	0.09	0.12	0.15	0.13	0.14	0.15
5	0.08	0.12	0.11	0.11	0.08	0.13
6	0.14	0.11	0.09	0.12	0.09	0.14
7	0.11	0.15	0.15	0.07	0.07	0.11
8	0.15	0.12	0.10	0.09	0.11	0.11
9	0.05	0.13	0.12	0.13	0.12	0.06
10	0.19	0.09	0.10	0.07	0.07	0.12
11	0.14	0.14	0.09	0.06	0.16	0.13
12	0.06	0.14	0.06	0.06	0.09	0.12
13	0.08	0.06	0.10	0.08	0.13	0.13
14	0.13	0.10	0.13	0.12	0.10	0.12
15	0.11	0.06	0.15	0.08	0.15	0.12
16	0.08	0.14	0.17	0.14	0.14	0.12
17	0.14	0.15	0.12	0.11	0.14	0.13
18	0.10	0.11	0.11	0.11	0.13	0.10
19	0.11	0.09	0.10	0.11	0.15	0.13
20	0.09	0.15	0.17	0.13	0.12	0.12
21	0.12	0.12	0.06	0.13	0.09	0.14
22	0.14	0.14	0.16	0.09	0.12	0.14
23	0.13	0.12	0.13	0.14	0.12	0.09
24	0.13	0.14	0.15	0.12	0.15	0.13
25	0.08	0.13	0.10	0.09	0.09	0.08
26	0.10	0.13	0.10	0.08	0.09	0.13
27	0.11	0.09	0.11	0.08	0.15	0.07
28	0.14	OFF	OFF	0.14	0.13	0.12
29	0.15	0.12	0.10	0.07	0.15	0.13
30	0.13	0.13	0.15	0.13	0.09	0.14
31	0.12	0.14	0.14	0.14	0.14	0.10
MIN	0.05	0.06	0.06	0.06	0.07	0.06
MAX	0.19	0.15	0.17	0.14	0.16	0.15
AVG	0.11	0.12	0.12	0.11	0.12	0.12

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

System ID
 Month Of

250008-02
 May 2019

May 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.6	3.1	2.8	2.4	2.4	2.6
2	2.7	3.0	3.1	3.0	2.4	2.8
3	2.9	2.6	2.7	2.7	2.8	2.6
4	2.3	2.3	2.5	3.1	3.2	2.9
5	2.9	2.8	2.7	3.2	3.1	2.2
6	2.6	2.8	2.9	3.0	1.6	1.5
7	2.2	2.2	2.8	4.0	3.3	2.8
8	2.8	2.9	3.0	3.3	3.3	3.3
9	3.1	3.1	3.4	3.4	3.3	2.8
10	2.7	3.2	3.7	2.9	3.0	3.0
11	3.1	3.2	3.2	3.4	3.1	3.3
12	3.4	3.6	2.7	3.7	3.5	3.4
13	3.4	3.2	3.6	3.6	3.4	2.9
14	3.3	3.0	3.2	2.6	2.5	2.4
15	2.6	2.7	2.7	3.1	2.7	2.3
16	2.6	2.3	2.1	2.8	2.7	1.6
17	2.5	2.8	2.3	1.9	2.3	2.1
18	2.5	2.4	2.6	2.8	2.4	2.3
19	2.2	2.3	2.7	2.6	2.6	2.5
20	2.8	2.6	2.0	1.6	2.3	2.4
21	2.4	2.5	2.6	2.7	2.1	2.0
22	2.3	1.9	2.0	2.2	2.8	2.9
23	2.8	2.9	2.1	2.2	2.1	2.2
24	2.3	2.3	1.8	2.0	2.3	2.5
25	2.7	2.8	2.8	2.9	2.5	2.7
26	2.7	2.6	2.8	2.7	2.6	2.3
27	2.4	2.5	2.5	2.6	2.3	2.3
28	2.4	2.4	2.4	2.3	2.1	2.6
29	2.6	2.6	2.9	2.9	3.0	3.1
30	2.8	2.8	2.9	3.3	3.2	3.2
31	2.6	2.5	2.7	2.4	2.8	3.0
MIN	2.2	1.9	1.8	1.6	1.6	1.5
MAX	3.4	3.6	3.7	4.0	3.5	3.4
AVG	2.7	2.7	2.7	2.8	2.7	2.6

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

System ID **250008-01**
Month of **May 2019**

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

2. Percentage of turbidity that were equal to or less than the turbidity limit of 0.3 NTU. 100.0%

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

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

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

1	2.8	7	3.4	13	2.7	19	2.7	25	3.0
2	3.4	8	3.2	14	2.8	20	2.9	26	2.9
3	3.2	9	3.0	15	3.1	21	2.9	27	3.2
4	2.6	10	3.0	16	2.9	22	3.1	28	2.6
5	1.9	11	2.9	17	2.8	23	2.7	29	2.9
6	2.2	12	2.8	18	2.8	24	2.6	30	2.8
								31	2.7

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

7. Total number of disinfectant residual measured in the distribution system where total coliform samples were collected. 128

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

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

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

System ID
MONTH

250008-01
May 2019

May 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	16.3	0.32	0.15	0.18
2	15.4	0.26	0.08	0.20
3	14.8	0.31	0.07	0.18
4	13.7	0.29	0.14	0.13
5	12.7	0.39	0.15	0.17
6	79.1	0.40	0.15	0.21
7	14.9	0.31	0.13	0.20
8	12.1	0.28	0.13	0.29
9	30.1	0.27	0.08	0.29
10	24.5	0.33	0.06	0.24
11	21.4	0.26	0.15	0.17
12	21.7	0.39	0.16	0.16
13	28.0	0.70	0.18	0.16
14	21.0	0.24	0.15	0.20
15	13.8	0.35	0.18	0.20
16	23.8	0.30	0.18	0.20
17	34.2	0.36	0.15	0.26
18	17.1	0.31	0.16	0.18
19	15.8	0.48	0.14	0.17
20	13.9	0.47	0.14	0.17
21	12.4	0.42	0.11	0.15
22	16.7	0.34	0.14	0.17
23	20.3	0.21	0.07	0.17
24	14.6	0.27	0.16	0.16
25	19.5	0.25	0.19	0.16
26	15.6	0.27	0.19	0.17
27	12.6	0.31	0.16	0.15
28	85.0	0.27	0.11	0.20
29	20.3	0.65	0.17	0.23
30	43.9	0.49	0.11	0.28
31	19.3	0.81	0.21	0.22
MIN	12.1	0.21	0.06	0.13
MAX	85.0	0.81	0.21	0.29
AVG	23.4	0.36	0.14	0.17

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

System ID
MONTH

250008-01
May 2019

May 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.18	0.15	0.14	0.14	0.12	0.12
2	0.12	0.11	0.13	0.16	0.19	0.20
3	0.18	0.15	0.15	0.16	0.16	0.14
4	0.12	0.13	0.13	0.13	0.13	0.13
5	0.13	0.13	0.14	0.14	0.17	0.17
6	0.19	0.21	0.21	0.17	0.18	0.18
7	0.18	0.19	0.20	0.19	0.18	0.18
8	0.21	0.25	0.24	0.26	0.29	0.23
9	0.16	0.14	0.29	0.28	0.29	0.26
10	0.18	0.17	0.24	0.24	0.18	0.14
11	0.12	0.12	0.13	0.14	0.17	0.16
12	0.16	0.14	0.15	0.15	0.16	0.16
13	0.16	0.15	0.14	0.14	0.14	0.13
14	0.12	0.13	0.14	0.16	0.19	0.20
15	0.20	0.18	0.17	0.17	0.18	0.18
16	0.18	0.18	0.19	0.20	0.20	0.18
17	0.20	0.21	0.24	0.26	0.23	0.17
18	0.17	0.16	0.15	0.14	0.17	0.18
19	0.16	0.15	0.17	0.16	0.15	0.16
20	0.16	0.16	0.17	0.16	0.15	0.14
21	0.13	0.14	0.15	0.15	0.15	0.15
22	0.15	0.17	0.17	0.14	0.14	0.14
23	0.14	0.12	0.13	0.13	0.14	0.17
24	0.16	0.13	0.14	0.14	0.13	0.14
25	0.13	0.13	0.14	0.15	0.16	0.16
26	0.16	0.15	0.15	0.17	0.17	0.17
27	0.15	0.15	0.15	0.15	0.14	0.14
28	0.13	0.14	0.20	0.20	0.20	0.18
29	0.20	0.22	0.23	0.23	0.18	0.18
30	0.18	0.18	0.19	0.22	0.27	0.28
31	0.22	0.20	0.20	0.19	0.19	0.19
MIN	0.12	0.11	0.13	0.13	0.12	0.12
MAX	0.22	0.25	0.29	0.28	0.29	0.28
AVG	0.16	0.16	0.17	0.17	0.18	0.17

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

System ID
MONTH

250008-01
May 2019

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

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID **250008**
Month of **May 2019**

	No. of sites, disinfectant residual measured (a)	No. of sites, no disinfectant measured, HPC measured (b)	No. of sites, disinfectant residual not detected, no HPC measured (c)	No. of sites, disinfectant residual not detected. HPC> 500/ml (d)	No. of sites, disinfectant residual not measured. HPC > 500/ml (e)
DATE	COL 2	COL 3	COL 4	COL 5	COL 6
1	21				
2	34				
3					
4					
5					
6	37				
7	36				
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Total	128	0	0	0	0
-------	-----	---	---	---	---

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

V = 0

**CITY OF JACKSON
CHLORINE DIOXIDE COMPLIANCE**

May-19	SYSTEM ID: 250008-02		SYSTEM ID: 250008-01	
	O.B. CURTIS		J. H. FEWELL	
	ClO ₂	ClO ⁻	ClO ₂	ClO ⁻
1	OFF	OFF	OFF	OFF
2	OFF	OFF	OFF	OFF
3	OFF	OFF	OFF	OFF
4	OFF	OFF	OFF	OFF
5	OFF	OFF	OFF	OFF
6	OFF	OFF	OFF	OFF
7	OFF	OFF	OFF	OFF
8	OFF	OFF	0.11	0.000
9	OFF	OFF	OFF	OFF
10	OFF	OFF	OFF	OFF
11	OFF	OFF	OFF	OFF
12	OFF	OFF	OFF	OFF
13	OFF	OFF	0.27	0.000
14	OFF	OFF	0.19	0.000
15	OFF	OFF	0.26	0.000
16	OFF	OFF	0.38	0.000
17	OFF	OFF	0.18	0.000
18	OFF	OFF	0.31	0.000
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 ⁻
5/8/2019	Olympia	0.10	0.000
	Boling St	0.12	0.000
	John Hopkins	0.09	0.000

**CITY OF JACKSON
TOC REMOVAL SUMMARY**

2019

TOC Table- Required % Removal of TOC			
Source Water TOC (ppm)	Source Water Alkalinity, ppm as CaCO ₃		
	0-60	>60-120	>120
>2.0 to 4.0	35.0%	25.0%	15.0%
>4.0 to 8.0	45.0%	35.0%	25.0%
>8.0	50.0%	40.0%	30.0%

$$\% \text{ ACTUAL TOC REMOVED} = \frac{\text{RAW TOC} - \text{FINISHED TOC}}{\text{RAW TOC}} \times 100\%$$

$$\text{TOC REMOVAL RATIO} = \frac{\% \text{ ACTUAL TOC REMOVED}}{\text{REQUIRED TOC REMOVAL}}$$

Date	Water Treatment Plant	TOC Summary			TOC % Removal Summary		
		Source Water Alkalinity (ppm)	Source Water TOC (ppm)	Treated Water TOC (ppm)	Actual TOC Removed (%)	Required TOC Removal (%)	TOC Removal Ratio
1/3/2019	OBC HS1	11	12.9	2.1	83.7	50.0	1.67
	OBC HS2	11	12.9	3.5	72.9	50.0	1.46
	JHF HS1	12	12.4	4.6	62.9	50.0	1.26
1/7/2019	OBC HS1	10	12.8	2.8	78.1	50.0	1.56
	OBC HS2	10	12.8	2.8	78.1	50.0	1.56
	JHF HS1	19	12.8	3.0	76.6	50.0	1.53
1/14/2019	OBC HS1	8	13.8	3.7	73.2	50.0	1.46
	OBC HS2	8	13.8	4.4	68.1	50.0	1.36
	JHF HS1	9	12.7	4.0	68.5	50.0	1.37
1/22/2019	OBC HS1	9	10.6	1.4	86.8	50.0	1.74
	OBC HS2	9	10.6	1.7	84.0	50.0	1.68
	JHF HS1	8	10.9	1.7	84.4	50.0	1.69
1/28/2019	OBC HS1	7	10.0	3.3	67.0	50.0	1.34
	OBC HS2	7	10.0	4.6	54.0	50.0	1.08
	JHF HS1	10	10.8	4.1	62.0	50.0	1.24
2/5/2019	OBC HS1	10	4.9	1.0	79.6	45.0	1.77
	OBC HS2	10	4.9	1.3	73.5	45.0	1.63
	JHF HS1	10	7.4	1.4	81.1	45.0	1.80
2/14/2019	OBC HS1	12	10.5	4.0	61.9	50.0	1.24
	OBC HS2	12	10.5	4.6	56.2	50.0	1.12
	JHF HS1	17	9.7	2.9	70.1	50.0	1.40
2/19/2019	OBC HS1	9	7.7	5.9	23.4	45.0	0.52
	OBC HS2	9	7.7	7.1	7.8	45.0	0.17
	JHF HS1	12	10.2	2.5	75.5	50.0	1.51
2/27/2019	OBC HS1	10	9.1	1.9	79.1	50.0	1.58
	OBC HS2	10	9.1	2.2	75.8	50.0	1.52
	JHF HS1	11	9.9	5.7	42.4	50.0	0.85
3/4/2019	OBC HS1	10	13	2.8	78.5	50.0	1.57
	OBC HS2	10	13.1	3.1	76.3	50.0	1.53
	JHF HS1	11	12.6	4.5	64.3	50.0	1.29
3/20/2019	OBC HS1	12	11.1	2.2	80.2	50.0	1.60
	OBC HS2	12	11.1	2.4	78.4	50.0	1.57
	JHF HS1	10	11.0	2.4	78.2	50.0	1.56
3/25/2019	OBC HS1	10	9.8	3.0	69.4	50.0	1.39
	OBC HS2	10	9.8	2.4	75.5	50.0	1.51
	JHF HS1	11	9.1	3.0	67.0	50.0	1.34
RUNNING ANNUAL AVERAGE	OBC HS1						1.45
	OBC HS2						1.35
	JHF HS1						1.40
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.40

**CITY OF JACKSON
TOC REMOVAL SUMMARY**

2019

TOC Table- Required % Removal of TOC			
Source Water TOC (ppm)	Source Water Alkalinity, ppm as CaCO ₃		
	0-60	>60-120	>120
>2.0 to 4.0	35.0%	25.0%	15.0%
>4.0 to 8.0	45.0%	35.0%	25.0%
>8.0	50.0%	40.0%	30.0%

$$\% \text{ ACTUAL TOC REMOVED} = \frac{\text{RAW TOC} - \text{FINISHED TOC}}{\text{RAW TOC}} \times 100\%$$

$$\text{TOC REMOVAL RATIO} = \frac{\% \text{ ACTUAL TOC REMOVED}}{\text{REQUIRED TOC REMOVAL}}$$

Date	Water Treatment Plant	TOC Summary			TOC % Removal Summary		
		Source Water Alkalinity (ppm)	Source Water TOC (ppm)	Treated Water TOC (ppm)	Actual TOC Removed (%)	Required TOC Removal (%)	TOC Removal Ratio
4/3/2019	OBC HS1	11	9.5	2.4	74.7	50.0	1.49
	OBC HS2	11	9.5	2.6	72.6	50.0	1.45
	JHF HS1	26	9.2	2.8	69.6	50.0	1.39
4/8/2019	OBC HS1	12	7.5	1.8	76.0	45.0	1.69
	OBC HS2	12	7.5	1.9	74.7	45.0	1.66
	JHF HS1	14	7.8	2.0	74.4	45.0	1.65
4/19/2019	OBC HS1	15	8.3	2.6	68.7	50.0	1.37
	OBC HS2	15	8.3	2.8	66.3	50.0	1.33
	JHF HS1	28	9.4	3.4	63.8	50.0	1.28
5/10/2019	OBC HS1	10	15.5	8.8	43.2	50.0	0.86
	OBC HS2	10	15.5	8.1	47.7	50.0	0.95
	JHF HS1	13	14.2	9.6	32.4	50.0	0.65
5/15/2019	OBC HS1	11	9.4	2.3	75.5	50.0	1.51
	OBC HS2	11	9.4	2.6	72.3	50.0	1.45
	JHF HS1	12	9.2	3.0	67.4	50.0	1.35
5/24/2019	OBC HS1	11	7.1	2.4	66.2	45.0	1.47
	OBC HS2	11	7.1	2.5	64.8	45.0	1.44
	JHF HS1	14	7.2	2.8	61.1	45.0	1.36
5/30/2019	OBC HS1	14	8.4	0.3	96.4	50.0	1.93
	OBC HS2	14	8.4	2.1	75.0	50.0	1.50
	JHF HS1	24	10.1	1.4	86.1	50.0	1.72
	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						1.46
	OBC HS2						1.37
	JHF HS1						1.38
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.40

**CITY OF JACKSON
CORROSION CONTROL DATA**

May 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
1	0700 - 1500	9.9	22	18	9.6	66	21
	1500 - 2300	9.8	23	20	9.2	70	17
	2300 - 0700	9.6	25	20	9.0	71	15
2	0700 - 1500	9.6	31	22	9.1	62	24
	1500 - 2300	9.7	20	20	9.1	75	20
	2300 - 0700	9.6	28	21	9.2	74	16
3	0700 - 1500	9.6	30	22	9.3	67	22
	1500 - 2300	9.6	27	21	9.3	67	23
	2300 - 0700	9.8	28	24	9.4	73	15
4	0700 - 1500	9.7	27	22	9.4	85	18
	1500 - 2300	9.7	25	19	9.4	69	18
	2300 - 0700	9.4	28	20	9.4	74	19
5	0700 - 1500	9.6	27	20	9.5	65	26
	1500 - 2300	9.9	24	20	9.4	65	27
	2300 - 0700	9.6	25	20	9.3	69	16
6	0700 - 1500	9.7	26	22	9.4	69	23
	1500 - 2300	9.9	24	19	9.3	75	23
	2300 - 0700	9.8	23	20	9.6	72	17
7	0700 - 1500	10.0	24	20	9.6	59	24
	1500 - 2300	9.6	22	19	9.5	82	25
	2300 - 0700	9.3	22	20	9.5	74	17
8	0700 - 1500	9.6	23	20	9.6	65	20
	1500 - 2300	9.6	22	20	9.4	87	27
	2300 - 0700	9.4	23	20	9.4	70	15
9	0700 - 1500	9.6	23	22	9.2	57	22
	1500 - 2300	9.5	26	17	9.2	82	27
	2300 - 0700	9.7	28	22	9.3	70	18
10	0700 - 1500	9.6	21	21	9.1	61	22
	1500 - 2300	10.0	24	20	8.5	58	20
	2300 - 0700	9.7	25	21	9.0	65	16
11	0700 - 1500	10.2	23	20	9.4	81	20
	1500 - 2300	10.0	22	19	9.4	74	18
	2300 - 0700	9.6	25	20	9.7	72	19

**CITY OF JACKSON
CORROSION CONTROL DATA**

May 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
12	0700 - 1500	9.7	24	19	9.8	66	22
	1500 - 2300	9.5	26	20	9.3	71	23
	2300 - 0700	9.2	25	21	9.5	80	18
13	0700 - 1500	9.5	23	20	9.3	65	21
	1500 - 2300	9.6	26	21	9.2	63	17
	2300 - 0700	9.5	23	20	9.3	64	17
14	0700 - 1500	9.7	23	14	9.2	60	29
	1500 - 2300	9.2	24	21	9.3	82	22
	2300 - 0700	9.3	24	22	9.3	67	15
15	0700 - 1500	9.5	24	20	9.3	62	25
	1500 - 2300	9.4	24	21	9.3	68	22
	2300 - 0700	9.4	26	21	9.3	69	16
16	0700 - 1500	9.3	24	21	9.4	63	27
	1500 - 2300	9.6	29	19	9.1	72	17
	2300 - 0700	9.5	26	21	9.4	72	19
17	0700 - 1500	9.4	29	18	9.2	76	20
	1500 - 2300	9.3	25	21	9.3	64	29
	2300 - 0700	9.6	27	21	9.4	75	18
18	0700 - 1500	9.6	24	23	9.2	72	20
	1500 - 2300	9.5	23	21	9.2	72	21
	2300 - 0700	9.2	27	24	9.3	73	19
19	0700 - 1500	9.1	29	22	9.2	70	20
	1500 - 2300	9.5	26	23	9.2	69	22
	2300 - 0700	9.4	29	21	9.5	73	23
20	0700 - 1500	9.4	28	19	9.5	65	19
	1500 - 2300	9.5	26	22	9.3	70	21
	2300 - 0700	9.4	25	21	9.5	71	19
21	0700 - 1500	9.5	23	19	9.4	71	26
	1500 - 2300	9.4	25	22	9.2	77	19
	2300 - 0700	9.4	23	21	9.4	71	18
22	0700 - 1500	9.7	22	18	9.3	66	22
	1500 - 2300	9.6	25	17	9.3	68	17
	2300 - 0700	9.4	28	20	9.4	74	19

**CITY OF JACKSON
CORROSION CONTROL DATA**

May 2019 DATE / SHIFT		SYSTEM ID: 250008-02			SYSTEM ID: 250008-01		
		OBC COMBINED HIGH SERVICE			JHF		
		pH	Hardness	Alkalinity	pH	Hardness	Alkalinity
23	0700 - 1500	9.2	25	22	9.3	66	17
	1500 - 2300	9.2	25	16	9.4	60	14
	2300 - 0700	9.5	28	17	9.3	71	24
24	0700 - 1500	9.6	24	19	9.3	77	22
	1500 - 2300	9.7	25	18	9.0	75	24
	2300 - 0700	9.7	26	19	9.2	87	25
25	0700 - 1500	9.4	24	20	9.4	89	29
	1500 - 2300	9.6	24	18	9.3	80	30
	2300 - 0700	9.5	28	20	9.5	85	28
26	0700 - 1500	9.5	26	21	9.5	82	30
	1500 - 2300	9.0	26	21	9.6	75	34
	2300 - 0700	9.5	27	20	9.6	78	27
27	0700 - 1500	9.3	25	21	9.6	70	34
	1500 - 2300	9.0	27	23	9.5	90	32
	2300 - 0700	9.5	25	21	9.5	80	23
28	0700 - 1500	9.4	22	18	9.6	79	26
	1500 - 2300	9.5	27	21	9.3	71	28
	2300 - 0700	9.3	22	20	9.2	67	24
29	0700 - 1500	9.4	27	19	9.5	81	30
	1500 - 2300	9.6	24	22	9.2	96	37
	2300 - 0700	9.6	26	20	9.3	79	34
30	0700 - 1500	9.3	26	21	9.5	79	41
	1500 - 2300	9.5	28	23	9.5	76	32
	2300 - 0700	9.5	30	27	9.9	72	29
31	0700 - 1500	9.0	28	22	9.8	65	32
	1500 - 2300	9.2	24	20	9.8	80	35
	2300 - 0700	9.0	25	22	9.6	73	26
MONTHLY MIN		9.0	20	14	8.5	57	14
MONTHLY MAX		10.2	31	27	9.9	96	41
MONTHLY AVG		9.5	25	20	9.4	72	23

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02 Month of May 2019

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 (%)
5/1/2019	23.3	2525296	108	2.5	87	24.0	2292640	32	2.3	85	24.0	2419254	37	2.4	89
5/2/2019	23.6	2561449	74	2.6	86	21.8	2195373	87	2.2	85	23.6	2359509	59	2.4	87
5/3/2019	23.2	2348414	84	2.3	81	24.0	2261741	31	2.3	85	23.4	2183388	71	2.2	86
5/4/2019	23.8	2514583	48	2.5	81	21.7	2097177	120	2.1	85	23.5	2286372	92	2.3	87
5/5/2019	24.0	2031754	49	2.0	76	24.0	2098147	33	2.1	85	24.0	2758899	32	2.8	86
5/6/2019	15.5	2357862	47	2.4	84	23.6	2200300	65	2.2	85	23.7	2518073	68	2.5	86
5/7/2019	23.1	2492057	126	2.5	82	22.9	2167565	110	2.2	85	24.0	2417349	35	2.4	88
5/8/2019	24.0	2530474	38	2.5	70	24.0	2193665	32	2.2	85	23.0	2237526	115	2.2	87
5/9/2019	22.5	2340834	72	2.3	82	23.5	2221832	91	2.2	85	24.0	2193241	54	2.2	88
5/10/2019	22.5	2484591	127	2.5	85	24.0	1966078	34	2.0	85	20.1	2355493	107	2.4	85
5/11/2019	24.0	2802731	36	2.8	85	23.4	2072722	33	2.1	85	23.7	2546756	35	2.5	87
5/12/2019	23.1	2868190	113	2.9	85	24.0	2283920	31	2.3	85	22.9	2649076	32	2.6	87
5/13/2019	23.1	2786395	70	2.8	85	23.5	2118961	32	2.1	85	23.7	2583037	36	2.6	89
5/14/2019	23.7	2358006	75	2.4	85	23.4	2034897	34	2.0	85	23.5	2174366	42	2.2	88
5/15/2019	22.9	2116579	157	2.1	84	23.3	2108042	33	2.1	85	23.3	1992597	44	2.0	89
5/16/2019	23.6	2063988	92	2.1	83	23.4	2186734	32	2.2	85	23.7	1885704	47	1.9	88
5/17/2019	23.6	1902898	81	1.9	85	23.2	1985040	33	2.0	85	23.8	1737500	48	1.7	88
5/18/2019	24.0	2081159	41	2.1	85	24.0	1912765	34	1.9	85	24.0	1907624	39	1.9	88
5/19/2019	24.0	2105372	40	2.1	85	24.0	1897695	34	1.9	85	24.0	1930446	38	1.9	87
5/20/2019	23.7	2056282	76	2.1	85	23.1	1925313	113	1.9	85	24.0	1908503	40	1.9	88
5/21/2019	23.6	1996196	89	2.0	85	23.9	2028049	34	2.0	85	23.1	1769909	42	1.8	87
5/22/2019	24.0	1816794	59	1.8	85	23.8	1613644	62	1.6	85	23.8	1636060	49	1.6	84
5/23/2019	21.2	1981483	73	2.0	85	20.8	2005815	87	2.0	85	20.9	1733129	61	1.7	86
5/24/2019	20.7	1991423	71	2.0	85	20.2	2107074	72	2.1	85	23.5	1830273	75	1.8	85
5/25/2019	24.0	2033332	42	2.0	85	Filter offline due to a UV issue.					24.0	1860492	41	1.9	88
5/26/2019	12.8	1990885	58	2.0	85						22.8	1781582	131	1.8	86
5/27/2019	24.0	1848039	45	1.8	85						24.0	1677392	45	1.7	88
5/28/2019	23.8	2152895	74	2.2	85						19.8	1919646	123	1.9	86
5/29/2019	21.8	2262960	68	2.3	85	14.0	1883175	90	1.9	85	19.1	2128229	29	2.1	87
5/30/2019	24.0	2235729	38	2.2	85	23.3	1937330	89	1.9	85	23.5	2119682	69	2.1	86
5/31/2019	21.8	2263152	80	2.3	85	24.0	1882664	34	1.9	85	24.0	2234290	34	2.2	87

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02 Month of May 2019

Total Off-Specification Volume (MG) = 0

Date	UV Reactor #4					UV Reactor #5					UV Reactor #6				
	Run Time (Hrs)	Total Production (Gals)	Calculated Min Dose (mJ/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 (%)
5/1/2019	Filter was offline due to a flow controller issue.					21.8	2181707	276	2.2	97	23.0	2508225	46	2.5	85
5/2/2019						23.0	2348959	234	2.3	98	23.1	2487040	46	2.5	85
5/3/2019						24.0	2358589	197	2.4	97	23.0	2329841	48	2.3	85
5/4/2019						19.5	2202786	161	2.2	95	24.0	2538557	48	2.5	85
5/5/2019						24.0	2140896	86	2.1	96	23.6	2934927	41	2.9	85
5/6/2019						10.2	2134040	88	2.1	92	22.8	2595488	43	2.6	85
5/7/2019						24.0	2179090	112	2.2	94	24.0	2632929	46	2.6	85
5/8/2019						24.0	2344322	97	2.3	93	24.0	2549499	48	2.5	85
5/9/2019						22.6	2212857	112	2.2	90	21.8	2226984	47	2.2	85
5/10/2019						23.0	2141996	131	2.1	89	23.1	2567600	47	2.6	85
5/11/2019						12.3	2122505	72	2.1	89	24.0	2819649	45	2.8	85
5/12/2019						2.3	2167828	12	2.2	92	6.4	2934766	44	2.9	85
5/13/2019	8.9	948946	16	0.9	95	11.8	1911415	136	1.9	91	14.2	2594720	30	2.6	85
5/14/2019	23.7	2439523	41	2.4	95	23.6	1903961	175	1.9	92	23.1	2318373	51	2.3	85
5/15/2019	23.3	2208606	42	2.2	95	23.3	2170852	113	2.2	85	23.3	2184579	55	2.2	70
5/16/2019	23.6	2102021	45	2.1	95	10.4	2198636	67	2.2	92	23.7	2079334	58	2.1	85
5/17/2019	23.8	1944603	46	1.9	95	0.0	1984567	34	2.0	92	23.6	1907013	60	1.9	85
5/18/2019	24.0	2127218	41	2.1	95	1.7	1854090	7	1.9	92	24.0	2102808	53	2.1	85
5/19/2019	24.0	2147801	40	2.1	95	6.8	1835243	27	1.8	91	24.0	2122371	51	2.1	85
5/20/2019	23.3	2081668	41	2.1	95	24.0	1815025	99	1.8	92	24.0	2107523	54	2.1	85
5/21/2019	24.0	2067786	44	2.1	95	16.1	1789784	116	1.8	90	22.4	1888321	54	1.9	85
5/22/2019	23.7	1841410	47	1.8	95	13.0	1660126	115	1.7	87	23.4	1816389	61	1.8	85
5/23/2019	21.5	1978372	39	2.0	95	21.5	2034119	79	2.0	85	21.5	1950356	50	2.0	85
5/24/2019	23.0	2000367	41	2.0	95	23.6	1979686	119	2.0	88	23.2	1998756	54	2.0	85
5/25/2019	23.5	2036882	42	2.0	95	23.5	1872367	139	1.9	90	24.0	2048990	54	2.0	85
5/26/2019	23.6	2063293	42	2.1	95	23.8	2174561	73	2.2	92	22.9	1964061	53	2.0	85
5/27/2019	24.0	1886731	45	1.9	95	23.8	2291861	91	2.3	89	24.0	1858621	59	1.9	85
5/28/2019	24.0	2221894	40	2.2	95	24.0	2253175	64	2.3	91	23.2	2104391	50	2.1	85
5/29/2019	23.4	2382067	37	2.4	95	21.6	2090969	82	2.1	89	24.0	2415764	47	2.4	85
5/30/2019	24.0	2428626	38	2.4	95	24.0	2124662	67	2.1	91	23.6	2336177	47	2.3	85
5/31/2019	23.5	2402772	37	2.4	95	23.5	1881223	106	1.9	91	23.7	2406096	46	2.4	85

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-01

Month of May 2019

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 (%)						
5/1/2019	10.7	10705226	OFFLINE			OFFLINE			OFFLINE			24.0	19	87						
5/2/2019	10.9	10858246										24.0	19	87						
5/3/2019	10.7	10673281										24.0	19	87						
5/4/2019	11.3	11315486	11.7	28	85							12.2	20	87	OFFLINE					
5/5/2019	11.7	11672326	24.0	28	85															
5/6/2019	11.7	11690677	24.0	27	85															
5/7/2019	11.7	11714288	24.0	28	85															
5/8/2019	11.7	11653125	24.0	28	85															
5/9/2019	11.7	11697066	23.6	26	85															
5/10/2019	11.7	11743872	24.0	27	85															
5/11/2019	11.7	11732813	24.0	28	85															
5/12/2019	11.7	11696945	24.0	28	85															
5/13/2019	11.6	11620486	24.0	28	85															
5/14/2019	11.7	11703299	24.0	29	85															
5/15/2019	11.8	11768507	24.0	28	85															
5/16/2019	11.6	11600677	21.0	25	85							2.0	24	87				OFFLINE		
5/17/2019	11.5	11510243	24.0	26	85															
5/18/2019	11.6	11593316	24.0	24	85															
5/19/2019	11.6	11639882	24.0	24	85															
5/20/2019	11.5	11549132	24.0	25	85															
5/21/2019	11.6	11594567	23.6	26	85															
5/22/2019	11.6	11563603	23.7	26	85															
5/23/2019	11.5	11500071	23.6	26	85															
5/24/2019	11.5	11534298	23.6	24	85															
5/25/2019	11.6	11551420	23.6	24	85															
5/26/2019	11.7	11685139	23.6	24	85															
5/27/2019	11.6	11579126	23.7	24	85															
5/28/2019	11.0	11020932	23.6	25	85															
5/29/2019	10.5	10460716	23.6	26	85							13.8	20	85						
5/30/2019	10.4	10437330	23.6	25	85							24.0	18	85						
5/31/2019	10.4	10446851	23.6	24	85							24.0	15	85						