

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

System ID **250008-02**
Month of **June 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. 97.7%

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

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

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

1	2.4	7	3.0	13	2.8	19	3.1	25	2.8
2	2.7	8	1.6	14	2.9	20	2.7	26	2.7
3	2.5	9	1.9	15	2.5	21	3.0	27	2.9
4	2.7	10	2.5	16	2.4	22	2.9	28	3.2
5	1.6	11	2.9	17	1.6	23	3.0	29	3.2
6	2.4	12	3.3	18	3.2	24	2.9	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. 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
June 2019

Jun 2019	TURBIDITIES (NTU)		
	RAW	SETTLED	FINISHED
1	16.2	0.74	0.27
2	11.2	0.64	0.25
3	12.6	0.67	0.16
4	11.3	0.66	0.23
5	14.5	0.58	0.27
6	14.0	0.67	0.46
7	12.1	0.63	0.27
8	12.0	0.65	0.32
9	13.5	0.34	0.22
10	13.5	0.40	0.24
11	14.1	0.45	0.22
12	15.1	0.53	0.31
13	11.7	0.63	0.35
14	10.6	0.52	0.30
15	9.01	0.33	0.20
16	8.16	0.38	0.22
17	8.91	0.34	0.32
18	9.68	0.58	0.37
19	8.45	0.37	0.24
20	9.38	0.35	0.35
21	10.2	0.32	0.16
22	10.4	0.48	0.33
23	9.23	0.66	0.37
24	11.0	0.39	0.34
25	11.7	0.33	0.28
26	7.98	0.58	0.22
27	9.19	0.55	0.32
28	9.01	0.51	0.38
29	7.81	0.43	0.37
30	9.62	0.49	0.23
MIN	7.81	0.32	0.16
MAX	16.2	0.74	0.46
AVG	11.1	0.51	0.21

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

System ID
Month Of

250008-02
June 2019

Higher finished
turbidities due to post-
treatment lime addition
for pH adjustment.

Jun 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.18	0.20	0.27	0.25	0.24	0.20
2	0.22	0.18	0.16	0.15	0.25	0.16
3	0.16	0.14	0.16	0.14	0.14	0.16
4	0.23	0.19	0.14	0.14	0.14	0.16
5	0.19	0.27	0.19	0.21	0.26	0.20
6	0.20	0.20	0.16	0.19	0.46	0.25
7	0.25	0.27	0.22	0.21	0.24	0.23
8	0.25	0.22	0.22	0.32	0.24	0.21
9	0.22	0.19	0.17	0.18	0.17	0.18
10	0.19	0.24	0.17	0.13	0.14	0.15
11	0.17	0.22	0.18	0.17	0.17	0.17
12	0.28	0.29	0.26	0.31	0.27	0.25
13	0.25	0.35	0.15	0.16	0.15	0.17
14	0.19	0.30	0.20	0.19	0.18	0.18
15	0.20	0.16	0.19	0.12	0.14	0.14
16	0.18	0.18	0.22	0.19	0.17	0.17
17	0.17	0.19	0.17	0.32	0.18	0.18
18	0.21	0.31	0.18	0.37	0.16	0.17
19	0.19	0.24	0.19	0.19	0.20	0.22
20	0.24	0.35	0.19	0.18	0.17	0.15
21	0.14	0.16	0.14	0.15	0.15	0.15
22	0.14	0.13	0.14	0.17	0.22	0.33
23	0.37	0.31	0.22	0.26	0.21	0.20
24	0.21	0.34	0.18	0.17	0.19	0.20
25	0.22	0.28	0.19	0.18	0.18	0.18
26	0.22	0.20	0.21	0.19	0.21	0.22
27	0.26	0.26	0.28	0.26	0.27	0.32
28	0.38	0.32	0.25	0.22	0.20	0.18
29	0.21	0.18	0.21	0.37	0.33	0.23
30	0.23	0.20	0.19	0.18	0.17	0.17
MIN	0.14	0.13	0.14	0.12	0.14	0.14
MAX	0.38	0.35	0.28	0.37	0.46	0.33
AVG	0.22	0.24	0.19	0.21	0.21	0.20

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

System ID
 Month Of

250008-02
 June 2019

Jun 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	2.4	2.9	2.6	2.4	3.0	2.6
2	2.9	2.7	3.0	3.2	2.7	2.9
3	2.8	2.9	2.7	3.8	2.5	2.7
4	2.8	2.7	3.1	2.8	3.1	3.0
5	3.1	3.2	2.7	4.0	1.6	1.7
6	2.4	2.7	2.6	2.6	3.3	3.6
7	3.4	3.5	3.0	3.1	3.0	3.2
8	2.9	2.8	1.6	1.9	1.9	2.2
9	2.2	2.1	2.1	1.9	2.5	2.7
10	2.6	2.7	2.9	2.7	2.5	2.8
11	3.0	2.9	2.9	3.3	3.6	3.5
12	3.4	3.3	3.5	3.6	3.3	3.5
13	3.4	3.3	3.4	3.2	3.1	2.8
14	2.9	3.1	3.2	3.1	3.2	3.1
15	3.4	2.5	2.7	2.9	2.5	2.7
16	2.9	2.7	2.7	2.7	2.8	2.4
17	2.5	2.1	1.6	2.7	2.9	3.2
18	3.3	3.2	3.4	3.3	3.3	3.3
19	3.1	3.2	3.1	3.4	3.1	3.1
20	3.2	3.2	2.7	2.9	2.8	3.1
21	3.2	3.2	3.5	3.3	3.0	3.1
22	3.2	3.1	3.1	3.0	2.9	3.0
23	3.0	3.3	3.0	3.0	3.3	3.0
24	2.9	2.9	3.0	2.9	2.9	3.0
25	3.0	3.0	3.3	3.4	4.0	2.8
26	2.7	2.9	4.0	3.9	2.8	2.7
27	3.2	3.4	2.9	3.0	3.6	3.4
28	3.2	3.4	3.2	3.2	3.4	3.6
29	3.5	3.6	3.5	3.6	3.3	3.2
30	3.2	3.1	3.1	3.1	2.9	3.2
MIN	2.2	2.1	1.6	1.9	1.6	1.7
MAX	3.5	3.6	4.0	4.0	4.0	3.6
AVG	3.0	3.0	2.9	3.1	3.0	3.0

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

System ID **250008-02**
Month of **June 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. 99.2%

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	2.7		13	2.3		19	2.4		25	3.4
2	2.4		8	2.7		14	2.2		20	2.2		26	2.7
3	2.8		9	2.7		15	2.3		21	2.6		27	2.5
4	2.8		10	3.2		16	2.4		22	2.9		28	2.9
5	1.9		11	3.1		17	2.0		23	2.8		29	3.1
6	2.8		12	3.1		18	2.7		24	2.4		30	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
O. B. Curtis Surface Water Treatment Plant
Turbidity Compliance Report

System ID
 Month Of

250008-02
 June 2019

Jun 2019	TURBIDITIES (NTU)	
	RAW	TRAINS
1	16.2	0.15
2	11.2	0.16
3	12.6	0.15
4	11.3	0.17
5	14.5	0.13
6	14.0	0.13
7	12.1	0.15
8	12.0	0.16
9	13.5	0.17
10	13.5	0.15
11	14.1	0.15
12	15.1	0.13
13	11.7	0.13
14	10.6	0.14
15	9.01	0.14
16	8.16	0.13
17	8.91	0.13
18	9.68	0.12
19	8.45	0.19
20	9.38	0.13
21	10.2	0.12
22	10.4	0.17
23	9.23	0.15
24	11.0	0.16
25	11.7	0.15
26	7.98	0.14
27	9.19	0.13
28	9.01	0.15
29	7.81	0.20
30	9.62	0.15
MIN	7.81	0.12
MAX	16.2	0.20
AVG	11.1	0.15

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

System ID
Month Of

250008-02
June 2019

Jun 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.12	OFF	0.15	0.14	0.13	0.12
2	OFF	0.12	0.16	0.15	0.10	0.12
3	0.13	0.14	0.11	0.14	0.09	0.15
4	0.11	0.15	0.17	0.09	0.14	0.10
5	0.11	0.11	0.12	0.10	0.11	0.13
6	0.13	0.13	0.12	0.11	0.13	0.11
7	0.15	0.10	0.13	0.14	0.14	0.14
8	0.15	0.16	0.14	0.15	0.15	0.14
9	0.14	0.13	0.13	0.13	0.17	0.14
10	0.15	0.09	0.11	0.11	0.13	0.11
11	0.15	0.14	0.14	0.10	0.13	0.14
12	0.13	0.12	0.13	0.11	0.10	0.09
13	0.13	0.13	0.13	0.13	0.09	0.09
14	0.13	0.13	0.13	0.14	0.10	0.11
15	0.14	0.12	0.13	0.12	0.12	0.13
16	0.13	0.12	0.11	0.11	0.12	0.12
17	0.12	OFF	0.11	0.10	0.13	0.11
18	0.12	0.12	0.09	0.11	0.11	0.12
19	0.12	0.11	0.15	0.16	0.19	0.13
20	0.13	0.13	0.10	0.10	0.11	0.10
21	0.12	0.12	0.10	0.10	0.12	0.12
22	0.13	0.14	0.12	0.17	0.12	0.13
23	0.12	0.13	0.11	0.10	0.15	0.13
24	0.13	0.16	0.13	0.11	0.14	0.12
25	0.12	0.13	0.15	0.12	0.11	0.12
26	OFF	0.13	0.14	0.13	0.10	0.12
27	0.13	OFF	OFF	OFF	0.10	0.13
28	0.14	0.14	0.15	0.14	0.11	0.13
29	0.13	0.14	0.13	0.14	0.20	0.12
30	0.13	0.15	0.11	0.11	0.09	0.13
MIN	0.11	0.09	0.09	0.09	0.09	0.09
MAX	0.15	0.16	0.17	0.17	0.20	0.15
AVG	0.13	0.13	0.13	0.12	0.12	0.12

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

System ID
Month Of

250008-02
June 2019

Jun 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.4	3.4	3.2	3.0	2.5	2.4
2	2.4	2.6	2.8	2.8	2.9	3.0
3	2.8	2.9	2.9	3.0	3.1	2.9
4	2.8	2.9	2.9	3.0	2.9	2.8
5	2.5	2.8	2.5	1.9	2.0	2.4
6	2.8	3.1	3.5	3.9	3.8	3.4
7	3.0	3.0	3.1	3.3	2.8	2.7
8	2.7	2.7	2.9	3.0	2.9	3.0
9	2.9	3.0	3.1	3.4	3.7	2.7
10	3.4	3.3	3.5	3.8	3.8	3.2
11	3.1	3.2	3.4	3.4	3.1	3.1
12	3.1	3.2	3.6	3.4	3.2	3.5
13	3.4	3.5	3.4	3.4	2.6	2.3
14	2.4	3.2	3.1	2.8	2.9	2.2
15	2.3	2.5	2.7	2.9	2.9	2.8
16	2.9	3.0	3.0	2.8	3.0	2.4
17	2.7	2.5	2.3	2.3	2.0	2.6
18	2.9	2.9	2.7	2.8	2.8	2.9
19	2.8	2.7	2.7	2.7	2.6	2.4
20	2.2	2.3	2.3	2.3	2.7	2.8
21	2.6	2.6	2.6	3.0	3.0	2.7
22	2.9	3.0	3.3	3.4	3.2	3.0
23	2.9	2.9	3.0	2.8	2.8	2.8
24	2.8	2.4	2.5	3.2	3.3	3.2
25	3.5	3.6	3.8	3.8	3.6	3.4
26	3.1	3.0	3.3	2.9	2.8	2.7
27	2.7	2.8	2.8	3.1	2.7	2.5
28	2.9	3.0	3.3	3.1	3.3	3.6
29	3.7	3.6	3.6	3.5	3.3	3.1
30	3.1	3.2	3.1	2.7	3.1	2.9
MIN	2.2	2.3	2.3	1.9	2.0	2.2
MAX	3.7	3.6	3.8	3.9	3.8	3.6
AVG	2.9	3.0	3.0	3.0	3.0	2.8

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

System ID **250008-01**
Month of **June 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	2.7	13	3.5	19	2.7	25	3.5
2	2.9	8	2.5	14	2.8	20	1.7	26	3.4
3	3.1	9	2.8	15	3.0	21	3.1	27	1.9
4	2.3	10	3.1	16	2.9	22	3.4	28	1.1
5	2.8	11	3.4	17	1.4	23	3.5	29	2.4
6	2.7	12	3.4	18	1.0	24	3.3	30	3.2

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. 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
June 2019

Jun 2019	TURBIDITIES (NTU)			
	RAW	SETTLED	FILTER	HS #1
1	19.7	0.45	0.14	0.28
2	23.9	0.49	0.14	0.16
3	20.9	0.64	0.12	0.17
4	18.0	0.39	0.10	0.26
5	16.7	0.63	0.16	0.20
6	13.9	0.76	0.16	0.20
7	13.9	0.50	0.13	0.14
8	25.2	0.55	0.18	0.16
9	28.8	0.31	0.17	0.16
10	14.0	0.44	0.17	0.18
11	14.9	0.43	0.15	0.24
12	13.4	0.49	0.19	0.20
13	13.3	0.31	0.18	0.18
14	13.5	0.36	0.20	0.18
15	11.3	0.34	0.14	0.23
16	10.6	0.41	0.14	0.18
17	10.8	0.60	0.14	0.18
18	16.3	0.48	0.18	0.19
19	9.36	0.43	0.16	0.14
20	11.9	0.44	0.15	0.17
21	11.3	0.35	0.13	0.14
22	10.5	0.45	0.15	0.14
23	10.0	0.32	0.15	0.15
24	28.3	0.50	0.19	0.15
25	15.1	0.37	0.14	0.15
26	10.5	0.38	0.16	0.15
27	11.3	0.56	0.14	0.15
28	11.3	0.56	0.17	0.18
29	11.4	0.43	0.15	0.15
30	11.5	0.39	0.16	0.22
MIN	9.36	0.31	0.10	0.14
MAX	28.8	0.76	0.20	0.28
AVG	15.1	0.46	0.15	0.16

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

System ID
MONTH

250008-01
June 2019

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

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

System ID
MONTH

250008-01
June 2019

Jun 2019	TIME					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	3.1	3.0	2.8	3.0	2.9	2.9
2	2.9	2.9	2.9	3.0	3.0	3.0
3	3.1	3.2	3.2	3.3	3.3	3.4
4	3.4	2.5	2.4	2.3	3.0	3.2
5	2.9	2.8	2.8	2.8	2.9	2.9
6	2.9	2.9	2.9	2.8	2.7	2.8
7	2.9	2.9	2.8	2.7	2.7	2.7
8	2.7	2.6	2.5	2.7	3.0	3.0
9	2.8	3.1	3.0	3.1	3.1	3.2
10	3.1	3.1	3.2	3.1	3.2	3.5
11	3.6	3.6	3.4	3.6	3.5	3.5
12	3.4	3.7	3.7	3.7	3.8	4.0
13	3.9	3.8	3.7	3.7	3.5	3.7
14	3.6	3.6	2.8	3.1	3.0	3.1
15	3.1	3.1	3.2	3.0	3.1	3.1
16	3.1	3.1	3.0	2.9	2.9	2.9
17	3.1	3.1	2.8	1.9	1.4	1.4
18	1.0	1.0	2.3	2.3	2.8	2.2
19	2.7	3.0	3.3	3.1	3.2	3.3
20	3.3	3.2	3.5	2.2	1.7	3.7
21	3.9	3.8	3.7	3.1	3.1	3.5
22	3.5	3.4	3.7	3.4	4.0	3.6
23	3.5	3.5	3.5	3.6	3.6	3.5
24	3.7	3.8	3.5	3.6	3.7	3.3
25	3.8	3.9	3.6	3.5	3.5	3.6
26	3.7	3.8	3.7	3.5	3.4	3.4
27	3.1	1.9	2.3	3.1	3.6	3.5
28	3.7	3.8	4.0	2.8	1.1	2.4
29	2.5	2.4	2.7	3.3	3.7	3.3
30	3.3	3.7	3.4	3.3	3.2	3.2
MIN	1.0	1.0	2.3	1.9	1.1	1.4
MAX	3.9	3.9	4.0	3.7	4.0	4.0
AVG	3.2	3.1	3.1	3.0	3.1	3.2

**CITY OF JACKSON
DISTRIBUTION SYSTEM DISINFECTANT DATA**

System ID **250008**
Month of **June 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					
2					
3	55				
4	40				
5	5				
6	16				
7	1				
8					
9					
10					
11	2				
12	9				
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**

Jun-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	0.40	0.173
5	OFF	OFF	0.08	0.000
6	OFF	OFF	0.23	0.346
7	OFF	OFF	0.30	0.000
8	OFF	OFF	0.31	0.000
9	OFF	OFF	0.38	0.000
10	OFF	OFF	OFF	OFF
11	OFF	OFF	0.53	0.346
12	OFF	OFF	OFF	OFF
13	OFF	OFF	OFF	OFF
14	OFF	OFF	OFF	OFF
15	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF
17	OFF	OFF	OFF	OFF
18	OFF	OFF	OFF	OFF
19	OFF	OFF	OFF	OFF
20	OFF	OFF	OFF	OFF
21	OFF	OFF	OFF	OFF
22	OFF	OFF	OFF	OFF
23	OFF	OFF	OFF	OFF
24	OFF	OFF	OFF	OFF
25	OFF	OFF	OFF	OFF
26	OFF	OFF	OFF	OFF
27	OFF	OFF	OFF	OFF
28	OFF	OFF	OFF	OFF
29	OFF	OFF	OFF	OFF
30	OFF	OFF	OFF	OFF

DISTRIBUTION SITES			
DATE	SITE	ClO ₂	ClO ⁻
6/6/2019	Olympia	0.09	0.000
	Boling St	0.11	0.000
	John Hopkins	0.10	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
6/6/2019	OBC HS1	11	12.0	1.9	84.2	50.0	1.68
	OBC HS2	11	12.0	1.1	90.8	50.0	1.82
	JHF HS1	30	8.3	2.4	71.1	50.0	1.42
6/14/2019	OBC HS1	12	8.3	1.2	85.5	50.0	1.71
	OBC HS2	12	8.3	2.2	73.5	50.0	1.47
	JHF HS1	19	6.9	1.5	78.3	45.0	1.74
6/21/2019	OBC HS1	11	9.0	1.9	78.9	50.0	1.58
	OBC HS2	11	9.0	1.9	78.9	50.0	1.58
	JHF HS1	24	7.0	1.5	78.6	45.0	1.75
6/24/2019	OBC HS1	11	7.8	2.5	67.9	45.0	1.51
	OBC HS2	11	7.8	2.2	71.8	45.0	1.60
	JHF HS1	18	8.0	2.6	67.5	45.0	1.50
	OBC HS1						
	OBC HS2						
	JHF HS1						
	OBC HS1						
	OBC HS2						
	JHF HS1						
RUNNING ANNUAL AVERAGE	OBC HS1						1.49
	OBC HS2						1.41
	JHF HS1						1.42
TOTAL COMBINED RUNNING ANNUAL AVERAGE							1.44

**CITY OF JACKSON
CORROSION CONTROL DATA**

June 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	9.2	23	20	9.3	83	30
	1500 - 2300	9.4	26	23	9.4	76	26
	2300 - 0700	9.5	25	21	9.5	76	29
2	0700 - 1500	9.2	24	16	9.5	88	40
	1500 - 2300	9.2	22	19	9.6	76	38
	2300 - 0700	9.1	27	21	9.5	73	31
3	0700 - 1500	8.6	19	15	9.6	73	37
	1500 - 2300	9.3	21	16	9.7	65	38
	2300 - 0700	9.1	21	19	9.4	75	27
4	0700 - 1500	9.2	20	18	9.5	66	42
	1500 - 2300	9.5	21	19	9.5	71	46
	2300 - 0700	9.2	21	20	9.5	83	37
5	0700 - 1500	9.3	22	19	9.6	75	49
	1500 - 2300	9.2	20	19	9.3	83	42
	2300 - 0700	9.1	21	18	9.5	81	35
6	0700 - 1500	8.5	22	19	9.6	90	50
	1500 - 2300	8.7	27	20	9.4	94	43
	2300 - 0700	9.2	35	25	9.5	80	39
7	0700 - 1500	9.2	22	18	9.5	73	39
	1500 - 2300	9.1	21	19	9.6	70	45
	2300 - 0700	9.2	29	20	9.7	84	41
8	0700 - 1500	9.1	20	19	9.5	82	30
	1500 - 2300	9.3	23	21	9.7	79	28
	2300 - 0700	9.2	23	21	9.4	66	24
9	0700 - 1500	9.5	21	18	9.6	66	33
	1500 - 2300	9.4	21	19	9.4	66	34
	2300 - 0700	9.3	22	19	9.6	82	38
10	0700 - 1500	9.3	28	21	9.7	84	34
	1500 - 2300	9.6	21	20	9.6	80	35
	2300 - 0700	8.3	21	19	9.8	72	32
11	0700 - 1500	9.6	24	19	9.8	72	32
	1500 - 2300	9.3	24	21	9.7	92	32
	2300 - 0700	9.1	23	20	9.7	65	20

**CITY OF JACKSON
CORROSION CONTROL DATA**

June 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	9.1	21	16	9.7	62	32
	1500 - 2300	9.2	22	18	9.7	83	32
	2300 - 0700	9.3	26	21	9.6	67	22
13	0700 - 1500	9.2	28	22	9.5	68	26
	1500 - 2300	9.3	26	15	9.3	81	33
	2300 - 0700	9.4	27	21	9.3	66	21
14	0700 - 1500	9.6	30	22	9.2	60	37
	1500 - 2300	9.7	28	23	9.5	64	32
	2300 - 0700	9.7	28	21	9.5	70	28
15	0700 - 1500	8.6	23	20	9.6		
	1500 - 2300	9.4	28	18	9.4	77	30
	2300 - 0700	9.5	30	21	9.3	75	29
16	0700 - 1500	9.3	25	21	9.3	68	31
	1500 - 2300	9.0	25	20	9.2	68	38
	2300 - 0700	9.2	28	22	9.3	81	28
17	0700 - 1500	9.1	23	19	9.4	76	31
	1500 - 2300	9.6	28	20	9.5	75	39
	2300 - 0700	9.5	25	22	9.7	77	36
18	0700 - 1500	9.5	30	20	9.4	72	37
	1500 - 2300	9.6	25	19	9.2	83	36
	2300 - 0700	9.4	23	20	9.6	71	25
19	0700 - 1500	9.3	25	18	9.7	64	42
	1500 - 2300	9.3	24	18	9.4	65	29
	2300 - 0700	9.3	27	20	9.5	62	21
20	0700 - 1500	9.3	29	17	9.3	66	26
	1500 - 2300	9.1	29	24	9.2	81	32
	2300 - 0700	9.0	32	20	9.5	70	27
21	0700 - 1500	8.6	29	17	9.1	73	42
	1500 - 2300	9.1	28	18	9.1	73	33
	2300 - 0700	9.1	30	21	9.4	77	21
22	0700 - 1500	9.1	28	19	9.6	74	24
	1500 - 2300	9.3	26	17	9.5	71	19
	2300 - 0700	9.3	25	20	9.3	68	22

**CITY OF JACKSON
CORROSION CONTROL DATA**

June 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	9.4	27	17	9.2	79	30
	1500 - 2300	9.4	26	18	9.4	88	34
	2300 - 0700	9.4	26	20	9.4	91	24
24	0700 - 1500	9.4	25	18	9.4	86	36
	1500 - 2300	9.4	21	18	9.4	81	33
	2300 - 0700	9.3	25	19	9.6	80	33
25	0700 - 1500	8.9	29	21	9.7	79	34
	1500 - 2300	8.8	26	19	9.3	75	32
	2300 - 0700	9.3	26	18	9.3	74	27
26	0700 - 1500	9.0	24	18	9.4	82	34
	1500 - 2300	9.0	19	17	9.5	81	37
	2300 - 0700	9.3	27	21	9.5	67	25
27	0700 - 1500	9.0	23	20	9.7	73	40
	1500 - 2300	9.2	29	20	9.5	67	32
	2300 - 0700	9.3	27	20	9.6	66	26
28	0700 - 1500	9.3	27	22	9.5		
	1500 - 2300	9.7	26	23	9.7	75	32
	2300 - 0700	9.4	28	22	9.7	76	29
29	0700 - 1500	9.4	27	25	9.8	89	31
	1500 - 2300	9.7	26	21	9.5	72	25
	2300 - 0700	9.3	37	29	9.4	74	30
30	0700 - 1500	9.2	20	17	9.5	67	26
	1500 - 2300	9.2	23	19	9.3	73	34
	2300 - 0700	9.1	28	20	9.6	83	31
	0700 - 1500						
	1500 - 2300						
	2300 - 0700						
MONTHLY MIN		8.3	19	15	9.1	60	19
MONTHLY MAX		9.7	37	29	9.8	94	50
MONTHLY AVG		9.2	25	20	9.5	75	32

*OBC: pHs <9.0 due to membrane flow changes caused by microscreen failure.

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02 Month of June 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 (%)
6/1/2019	24.0	2087691	53	2.1	85	23.4	1835404	102	1.8	85	23.1	1599264	79	1.6	82
6/2/2019	22.4	2531135	57	2.5	85	24.0	1996100	33	2.0	85	23.0	2143751	70	2.1	86
6/3/2019	23.2	2558671	58	2.6	85	23.4	2118739	32	2.1	85	22.9	2313329	78	2.3	87
6/4/2019	23.2	2215010	96	2.2	85	22.8	2037296	122	2.0	85	24.0	2119082	38	2.1	88
6/5/2019	21.1	2212278	104	2.2	85	22.8	1993146	145	2.0	85	22.7	2102125	58	2.1	87
6/6/2019	20.8	2333026	44	2.3	85	23.1	2017739	43	2.0	85	22.7	2300690	123	2.3	87
6/7/2019	22.1	2238028	37	2.2	85	23.7	2219910	30	2.2	85	22.9	2486405	32	2.5	87
6/8/2019	19.0	2325047	64	2.3	85	23.2	1954810	31	2.0	85	23.2	2098253	59	2.1	87
6/9/2019	18.7	2318534	121	2.3	85	11.1	2086235	16	2.1	85	19.6	2322368	86	2.3	87
6/10/2019	24.0	2380583	38	2.4	85	24.0	2297242	29	2.3	85	22.8	2301478	32	2.3	87
6/11/2019	20.0	2383160	100	2.4	85	20.3	2059227	30	2.1	85	21.1	2197123	36	2.2	88
6/13/2019	8.7	2058463	50	2.1	85	12.2	2022013	32	2.0	85	12.2	2154127	37	2.2	88
6/14/2019	19.2	2164980	57	2.2	85	22.3	1901738	31	1.9	85	23.2	1953930	40	2.0	87
6/15/2019	24.0	2403457	39	2.4	85	24.0	2320365	30	2.3	85	24.0	2211380	37	2.2	89
6/16/2019	20.5	2361320	57	2.4	85	22.2	2077989	30	2.1	85	23.2	2224320	37	2.2	88
6/17/2019	24.0	2275512	38	2.3	85	24.0	2176960	30	2.2	85	24.0	2095680	37	2.1	88
6/18/2019	24.0	2313138	38	2.3	85	24.0	2121207	30	2.1	85	24.0	2130388	37	2.1	88
6/19/2019	23.4	1971942	65	2.0	85	23.6	2135292	30	2.1	85	23.1	1809644	64	1.8	87
6/20/2019	17.4	2302739	74	2.3	85	23.1	2111730	29	2.1	85	23.2	2117935	60	2.1	88
6/21/2019	17.7	2371118	50	2.4	85	24.0	2103984	31	2.1	85	24.0	2243549	36	2.2	88
6/22/2019	18.2	2409537	29	2.4	85	23.4	2048367	31	2.0	85	23.2	2158810	82	2.2	88
6/23/2019	8.1	2340096	36	2.3	85	23.1	2096418	30	2.1	85	23.6	2232537	60	2.2	88
6/24/2019	21.2	2480672	56	2.5	85	23.6	2159705	30	2.2	85	24.0	2366560	36	2.4	88
6/25/2019	24.0	2605762	36	2.6	85	24.0	2149986	31	2.1	85	23.6	2349035	35	2.3	87
6/26/2019	22.0	2524118	80	2.5	85	23.2	1813645	35	1.8	85	23.7	2429965	46	2.4	88
6/27/2019	24.0	2084098	43	2.1	85	23.6	1945655	91	1.9	85	23.5	1868094	54	1.9	87
6/28/2019	23.6	2202987	40	2.2	85	24.0	2075509	33	2.1	85	24.0	2077810	40	2.1	89
6/29/2019	22.5	2092039	96	2.1	85	23.5	2095901	89	2.1	85	23.5	1996145	75	2.0	87
6/30/2019	24.0	2207930	41	2.2	85	22.9	2066057	133	2.1	85	23.5	1984010	64	2.0	87

**CITY OF JACKSON
UV COMPLIANCE**

System ID 250008-02

Month of June 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 (%)
6/1/2019	23.7	2100495	42	2.1	95	22.8	1837689	139	1.8	89	24.0	2110566	55	2.1	85
6/2/2019	23.1	2584685	35	2.6	95	23.0	1931608	119	1.9	90	23.5	2561174	45	2.6	85
6/3/2019	23.1	2626073	35	2.6	95	24.0	2084902	74	2.1	92	23.3	2621547	44	2.6	85
6/4/2019	24.0	2338816	40	2.3	95	23.1	1932740	100	1.9	90	24.0	2313757	51	2.3	85
6/5/2019	23.4	2330684	39	2.3	95	22.9	1911356	108	1.9	91	23.3	2259588	50	2.3	85
6/6/2019	23.5	2418727	37	2.4	95	23.1	1926021	133	1.9	90	23.2	2368597	47	2.4	85
6/7/2019	23.2	2326522	39	2.3	95	22.5	1899019	143	1.9	91	22.8	2212183	49	2.2	85
6/8/2019	23.4	2494666	36	2.5	95	22.8	2053449	160	2.1	91	23.5	2465146	45	2.5	85
6/9/2019	21.2	2340132	34	2.3	95	18.8	2149193	79	2.1	92	23.4	2325483	72	2.3	85
6/10/2019	24.0	2424663	38	2.4	95	22.6	1949378	94	1.9	90	23.4	2310267	46	2.3	85
6/11/2019	20.7	2442990	37	2.4	95	21.1	1972409	79	2.0	92	21.1	2461373	47	2.5	85
6/13/2019	12.2	2387226	39	2.4	95	12.2	2047631	78	2.0	92	12.2	2363000	48	2.4	85
6/14/2019	23.8	2207851	41	2.2	95	23.5	1868611	120	1.9	90	23.2	2137634	52	2.1	85
6/15/2019	23.3	2351002	38	2.4	95	24.0	1812448	94	1.8	93	24.0	2418123	49	2.4	85
6/16/2019	22.2	2356896	37	2.4	95	23.0	2037361	113	2.0	92	23.1	2424732	48	2.4	85
6/17/2019	24.0	2321069	39	2.3	95	24.0	2218272	66	2.2	92	24.0	2294294	49	2.3	85
6/18/2019	24.0	2357680	39	2.4	95	24.0	2158671	68	2.2	92	24.0	2330691	49	2.3	85
6/19/2019	23.6	2062640	43	2.1	95	24.0	2018061	73	2.0	92	24.0	2071705	56	2.1	85
6/20/2019	23.7	2401520	38	2.4	95	8.8	2021049	96	2.0	89	7.7	2313728	18	2.3	85
6/21/2019	23.6	2428779	37	2.4	95	23.2	1966945	140	2.0	91	23.2	2378203	47	2.4	85
6/22/2019	23.5	2407643	38	2.4	95	23.0	2020773	140	2.0	91	22.9	2312577	70	2.3	85
6/23/2019	21.4	2399941	35	2.4	95	24.0	2270536	72	2.3	92	24.0	2486097	48	2.5	85
6/24/2019	24.0	2607445	37	2.6	95	23.5	2172531	85	2.2	91	20.4	2459867	40	2.5	85
6/25/2019	23.1	2565851	36	2.6	95	24.0	2158952	75	2.2	92	22.8	2477883	45	2.5	85
6/26/2019	23.6	2666698	36	2.7	95	23.1	2046763	123	2.0	91	23.8	2649994	45	2.6	85
6/27/2019	22.8	2046765	41	2.0	95	24.0	2132364	78	2.1	92	24.0	2097533	56	2.1	85
6/28/2019	24.0	2298102	40	2.3	95	23.4	1935944	115	1.9	90	23.5	2216415	51	2.2	85
6/29/2019	23.6	2208311	41	2.2	95	21.6	1992356	123	2.0	91	23.6	2170835	53	2.2	85
6/30/2019	22.6	2143314	39	2.1	95	24.0	2076251	80	2.1	92	24.0	2222998	53	2.2	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 (%)						
6/1/2019	10.5	10517325	23.6	24	85	24.0	15	85	OFFLINE			OFFLINE								
6/2/2019	10.5	10524960	23.6	24	85	24.0	15	85	OFFLINE			OFFLINE								
6/3/2019	10.7	10747548	23.6	24	85	6.2	26	85	11.3	15	75	6.2	19	87						
6/4/2019	10.9	10949365	23.6	25	85	OFFLINE			24.0	24	75	OFFLINE								
6/5/2019	11.0	10963451	23.7	25	85				24.0	24	75									
6/6/2019	10.9	10895765	23.6	26	85				24.0	25	75									
6/7/2019	10.9	10921568	23.8	25	85				23.9	25	75									
6/8/2019	10.9	10916128	24.0	20	85				22.7	18	75				1.2	18	87			
6/9/2019	10.5	10536111	24.0	15	85	OFFLINE			OFFLINE			18.7	15	87						
6/10/2019	10.7	10661840	24.0	15	85							14.1	15	85						
6/11/2019	10.4	10387691	24.0	20	85							24.0	26	85						
6/12/2019	10.5	10456007	24.0	22	85							24.0	24	85						
6/13/2019	10.5	10513264	24.0	24	85							24.0	24	85						
6/14/2019	10.5	10530451	24.0	24	85							24.0	24	85						
6/15/2019	10.4	10395451	24.0	26	85							24.0	25	85						
6/16/2019	10.4	10383820	24.0	26	85							24.0	25	85						
6/17/2019	9.9	9940104	16.8	18	85							2.3	28	85	8.1	29	75	OFFLINE		
6/18/2019	10.9	10916372	24.0	25	85							OFFLINE			15.4	16	75			
6/19/2019	10.7	10685278	24.0	26	85	10.8	22	75	10.1	22	87									
6/20/2019	10.5	10455556	11.4	24	85	5.9	27	75	24.0	26	87									
6/21/2019	10.3	10279566	OFFLINE			23.9	26	75	24.0	27	87									
6/22/2019	10.4	10426823				24.0	26	75	24.0	26	75				24.0	26	87			
6/23/2019	10.7	10736528				10.6	12	75	24.0	25	87									
6/24/2019	10.2	10169670				13.8	16	85	10.1	16	75				23.7	26	87			
6/25/2019	10.5	10450576				24.0	27	85	17.3	19	75				OFFLINE					
6/26/2019	10.7	10680699				24.0	27	85	13.1	28	75									
6/27/2019	10.2	10243460				16.7	18	85	24.0	28	85									
6/28/2019	10.4	10377962				23.6	25	85	24.0	28	85	OFFLINE								
6/29/2019	10.4	10389438				23.6	26	85	24.0	28	85									
6/30/2019	10.5	10484763				23.7	26	85	24.0	28	85									