

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME:

River Place MUD

PLANT NAME
OR NUMBER:

RIVER PLACE WTP

PWS ID No.:

2270252

Month:

January

Year: 2014

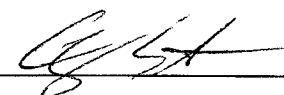
DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus		
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0		
T ₁₀ (minutes)	40.4	8.4	111.8						

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	2.401	13.1	7.7				
	FCL D2	2.7	0.480	13.9	7.6				
	CLA D3	3.6	3.530	13.3	7.6	2.33	44.66	4.66	
	D4							(S)	
	D5								
18	FCL D1	0.0	2.431	14.0	7.7				
	FCL D2	2.3	0.486	13.9	7.6				
	CLA D3	3.3	3.551	15.6	7.6	2.21	38.20	4.43	
	D4							(S)	
	D5								
19	FCL D1	0.0	2.400	14.8	7.7				
	FCL D2	1.7	0.480	13.3	7.6				
	CLA D3	3.7	3.588	15.5	7.5	2.12	28.54	4.25	
	D4							(S)	
	D5								
20	FCL D1	0.0	2.410	13.9	7.7				
	FCL D2	1.7	0.482	14.2	7.6				
	CLA D3	3.7	3.535	15.4	7.5	2.18	30.08	4.36	
	D4							(S)	
	D5								
21	FCL D1	0.0	2.395	13.0	7.7				
	FCL D2	2.4	0.479	12.9	7.7				
	CLA D3	3.2	3.542	16.4	7.5	2.17	37.85	4.34	
	D4							(S)	
	D5								
22	FCL D1	0.0	2.407	13.6	7.7				
	FCL D2	1.6	0.481	13.1	7.6				
	CLA D3	3.2	3.539	15.0	7.5	1.88	26.18	3.75	
	D4							(S)	
	D5								
23	FCL D1	0.0	2.378	11.2	7.8				
	FCL D2	2.1	0.476	11.6	7.6				
	CLA D3	3.6	3.507	15.0	7.5	2.13	31.13	4.26	
	D4							(S)	
	D5								
24	FCL D1	0.0	2.775	9.2	7.6				
	FCL D2	2.7	0.555	9.1	7.8				
	CLA D3	3.2	3.546	12.7	7.5	1.70	28.32	3.40	
	D4							(S)	
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	2.411	9.2	7.7				
	FCL D2	2.3	0.482	9.3	7.8				
	CLA D3	3.3	3.540	11.2	7.5	1.69	28.02	3.38	
	D4							(S)	
	D5								
26	FCL D1	0.0	2.395	13.9	7.8				
	FCL D2	2.6	0.479	14.0	7.6				
	CLA D3	3.4	3.535	17.6	7.5	2.51	44.21	5.03	
	D4							(S)	
	D5								
27	FCL D1	0.0	2.408	12.6	7.8				
	FCL D2	2.5	0.482	12.6	7.7				
	CLA D3	3.0	3.548	14.6	7.7	2.00	37.83	4.00	
	D4							(S)	
	D5								
28	FCL D1	0.0	2.804	11.3	7.7				
	FCL D2	2.4	0.561	12.0	7.7				
	CLA D3	3.3	3.539	12.9	7.7	1.84	30.38	3.68	
	D4							(S)	
	D5								
29	FCL D1	0.0	2.429	11.1	7.8				
	FCL D2	2.0	0.486	11.0	7.6				
	CLA D3	3.2	3.532	16.2	7.5	1.97	28.05	3.93	
	D4							(S)	
	D5								
30	FCL D1	0.0	2.422	11.9	7.8				
	FCL D2	2.8	0.484	12.4	7.7				
	CLA D3	2.6	3.563	14.5	7.6	1.90	40.99	3.80	
	D4							(S)	
	D5								
31	FCL D1	0.0	2.416	12.9	7.6				
	FCL D2	2.9	0.483	12.9	7.6				
	CLA D3	3.0	3.546	12.9	7.6	2.07	43.97	4.15	
	D4							(S)	
	D5								
						Max	2.51	55.21	
						Min	1.51	12.07	
						Avg	2.03	33.00	
						SD	0.24	8.00	

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: February 5, 2014

TCEQ - 0102C (07-19-10)

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SWMOR

COA Resp to PUC RFI-1024

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR) FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: January Year: 2014

Type of
treatment: ☒ Conventional

☐ Unconventional
explain: _____

Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling.

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	1/16	166	3.87	3.39	12.4	15	0.83			0.83
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
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20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		166.00	3.87	3.39	12.40		0.83			0.83
Max		166.00	3.87	3.39	12.40		0.83			0.83
Min		166.00	3.87	3.39	12.40		0.83			0.83

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary - Don't forget to include a copy of your P-7 TOC ACC worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
166	3.87	3.39	12.4	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's
Signature: _____

Certificate No. _____
and Grade: WS0010736, C

Date: February 5, 2014

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: January Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC
#1

ACC #
2

ACC #
3

ACC #
4

ACC #
5

ACC #
6

Treated water SUVA less than or equal to 2.0 L/mg-m?
(either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the Instructions worksheet for more info.) Measure monthly.

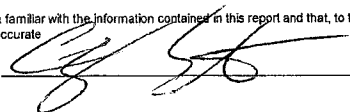
Treated water
SUVA measured: ☒ In Plant
☐ By Finished Water SUVA Jar Test

Current
Month SUVA
1.46

ACC
#7

ACC #
8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate

Operator's Signature: 

Certificate No. and Grade: WS0010736, C

Date: February 5, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
Summary Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

PWS ID No.: 2270252

Operator's Signature: _____

Report for
the Month of: February 2014

Certificate No. & Grade: WS0010736, C

Date: March 10, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	168	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		

Statistical Summary	Maximum turbidity reading:	0.08 NTU	Average turbidity value:	0.07 NTU
	Minimum turbidity reading:	0.06 NTU	Standard deviation:	0.004 NTU
	CFE 95 th percentile value:	0.07 NTU	IFE 95 th percentile:	0.141 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.23
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	38.60
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine
Number of days with a low residual for no more than 4.0 consecutive hours:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)
Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	31	(at least 28 required) (8)	
Average disinfectant residual value:	2.79	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ☒ NONE ☐ Filter Profile ☐ Filter Assessment ☐ CPE

Additional report(s) for individual filter monitoring submitted: ☒ NONE ☐ Filter Profile (9) ☐ Filter Assessment (10) ☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Turbidity Data Page

PUBLIC WATER SYSTEM NAME: <u>River Place MUD</u> PWS ID No.: <u>2270252</u> Month: <u>February</u> Year: <u>2014</u>	PLANT NAME OR NUMBER: <u>RIVER PLACE WTP</u> Connections: <u>1,013</u> Population: <u>3,039</u>
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PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	0.454	0.458	4	177	1.4	0.9					0.08	0.08	0.07	0.07	0.07	0.07	2.5	
2	0.299	0.302	4	174	1.5	1.2					0.07	0.07	0.07	0.07	0.07	0.07	2.4	
3	0.419	0.381	4	170	1.4	0.8					0.07	0.07	0.07	0.07	0.06	0.06	2.8	
4	0.512	0.490	7	160	1.8	0.9					0.06	0.06	0.06	0.06	0.06	0.06	2.8	
5	0.637	0.613	7	168	1.9	1.9					0.06	0.06	0.06	0.06	0.06	0.06	4.3	
6	0.338	0.613	7	164	1.5	1.5					0.06	0.06	0.06	0.06	0.06	0.06	3.0	
7	0.316	0.325	8	167	0.8	1.6					0.06	0.06	0.06	0.06	0.06	0.07	2.7	
8	0.548	0.545	5	166	0.9	1.6					0.07	0.07	0.07	0.07	0.07	0.07	2.7	
9	0.376	0.439	9	163	0.8	0.4					0.07	0.07	0.07	0.07	0.07	0.07	2.8	
10	0.495	0.444	8	165	0.8	0.4					0.07	0.07	0.07	0.07	0.07	0.07	2.6	
11	0.410	0.443	8	164	0.9	0.5					0.07	0.07	0.07	0.07	0.07	0.07	2.8	
12	0.694	0.642	8	169	2.3	1.2					0.07	0.07	0.07	0.07	0.07	0.07	2.8	
13	0.480	0.488	8	166	2.1	1.2					0.07	0.07	0.07	0.07	0.07	0.07	2.8	
14	0.526	0.500	10	169	1.9	1.1					0.07	0.07	0.07	0.07	0.07	0.06	2.6	
15	0.441	0.445	3	164	1.4	0.7					0.06	0.07	0.07	0.06	0.06	0.07	2.7	
16	0.425	0.444	4	160	1.0	0.9					0.07	0.07	0.07	0.07	0.07	0.07	2.9	
17	0.395	0.434	8	162	0.7	0.3					0.07	0.07	0.07	0.07	0.07	0.07	2.6	
18	0.743	0.604	4	163	1.1	0.9					0.07	0.07	0.07	0.07	0.06	0.07	3.2	
19	0.838	0.881	5	165	1.2	1.0					0.06	0.07	0.07	0.07	0.07	0.07	2.6	
20	0.504	0.432	7	142	0.9	0.5					0.07	0.07	0.06	0.06	0.06	0.06	2.7	
21	0.528	0.528	6	153	0.9	0.5					0.06	0.06	0.06	0.07	0.07	0.07	3.5	
22	0.509	0.514	6	155	1.1	0.5					0.07	0.07	0.07	0.07	0.07	0.07	2.4	
23	0.726	0.711	9	159	1.2	0.8					0.07	0.07	0.07	0.07	0.07	0.07	3.4	
24	0.504	0.492	9	161	1.1	0.6					0.07	0.07	0.07	0.07	0.07	0.07	2.4	
25	0.620	0.598	9	157	0.8	0.4					0.07	0.07	0.07	0.07	0.07	0.07	2.4	
26	0.691	0.716	9	149	1.0	0.5					0.07	0.07	0.07	0.07	0.07	0.07	2.4	
27	0.635	0.593	9	152	1.4	0.9					0.07	0.07	0.07	0.07	0.07	0.07	3.2	
28	0.476	0.435	9	159	1.6	0.8					0.07	0.07	0.07	0.07	0.07	0.07	3.4	
29																		
30																		
31																		
Total	14.539	14.510																
Avg	0.519	0.518																
Max	0.838	0.881																
Min	0.299	0.302																
NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.																		

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY:  Certificate No. and Grade: WS0010736, C Date: March 10, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

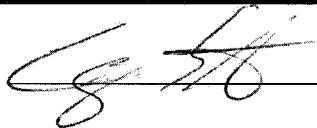
PWS ID No.: 2270252

Month: February Year: 2014

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.03		0.06		0.03		0.07		0.10											
2	0.03		0.04		0.03		0.06		0.10											
3	0.08		0.12		0.03		0.06		0.09											
4	0.03		0.04		0.08		0.06		0.09											
5	0.02		0.04		0.05		0.09		0.11											
6	0.03		0.04		0.05		0.08		0.11											
7	0.03		0.05		0.05		0.07		0.10											
8	0.03		0.05		0.05		0.07		0.11											
9	0.03		0.05		0.05		0.07		0.10											
10	0.04		0.06		0.05		0.06		0.10											
11	0.04		0.06		0.05		0.06		0.10											
12	0.06		0.40		0.14		0.06		0.09											
13	0.03		0.00		0.05		0.05		0.08											
14	0.03		0.04		0.04		0.16		0.11											
15	0.04		0.05		0.04		0.07		0.10											
16	0.03		0.05		0.04		0.09		0.11											
17	0.03		0.05		0.04		0.07		0.10											
18	0.80		0.30		0.08		0.07		0.10											
19	0.04		0.05		0.05		0.20		0.10											
20	0.03		0.07		0.05		0.20		0.12											
21	0.03		0.04		0.05		0.09		0.12											
22	0.03		0.06		0.05		0.10		0.12											
23	0.03		0.20		0.04		0.09		0.11											
24	0.03		0.05		0.04		0.10		0.12											
25	0.02		0.07		0.04		0.09		0.12											
26	0.03		0.04		0.04		0.10		0.13											
27	0.07		0.04		0.09		0.07		0.10											
28	0.05		0.04		0.06		0.06		0.09											
29																				
30																				
31																				

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant
		1	2	3	4	5	6	7	8	9	10	
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month											
Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0	0						
Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0	0						
Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0	0						
Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0	0						
Number of days with event(s) above 2.0 NTU this month												0
Number of days with event(s) above 2.0 NTU last month												0
Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N	N						N
Is the plant required to submit a Filter Profile Report?	N	N	N	N	N	N						
Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N	N						
Is the plant required to submit a Request for Compliance CPE?												N

SUBMITTED BY:



Certificate No.
and Grade: WS0010736, C

Date: March 10, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Disinfection Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

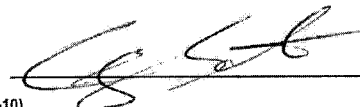
Month: February Year: 2014

DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Viruses	
Flow Rate (MGD)	2.290	0.916	5.760			0.5		2.0	
T ₁₀ (minutes)	40.4	8.4	111.8						

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	2.405	16.2	7.7				
	FCL D2	1.2	0.481	15.3	7.6				
	CLA D3	3.1	3.451	17.8	7.6	1.99	23.77	3.99	
	D4							(S)	
	D5								
2	FCL D1	0.0	2.404	10.3	7.6				
	FCL D2	2.0	0.480	10.1	7.6				
	CLA D3	3.4	3.543	13.2	7.3	1.83	26.42	3.66	
	D4							(S)	
	D5								
3	FCL D1	0.0	2.394	10.9	7.8				
	FCL D2	2.3	0.479	10.6	7.6				
	CLA D3	3.0	3.523	10.0	7.5	1.68	30.29	3.35	
	D4							(S)	
	D5								
4	FCL D1	0.0	2.386	12.4	7.7				
	FCL D2	2.8	0.477	11.8	7.6				
	CLA D3	2.9	3.528	16.6	7.4	2.14	40.60	4.29	
	D4							(S)	
	D5								
5	FCL D1	0.0	2.387	11.2	7.7				
	FCL D2	2.4	0.477	12.0	7.6				
	CLA D3	3.0	3.523	11.0	7.5	1.82	34.82	3.64	
	D4							(S)	
	D5								
6	FCL D1	0.0	2.404	9.8	7.9				
	FCL D2	2.6	0.481	9.8	7.6				
	CLA D3	3.1	3.535	13.4	7.6	1.87	32.69	3.74	
	D4							(S)	
	D5								
7	FCL D1	0.0	2.420	9.8	7.9				
	FCL D2	2.3	0.484	9.9	7.6				
	CLA D3	2.9	3.536	12.3	7.4	1.68	28.90	3.37	
	D4							(S)	
	D5								
8	FCL D1	0.0	2.418	10.3	7.8				
	FCL D2	2.8	0.484	10.3	7.6				
	CLA D3	3.4	3.053	13.3	7.4	2.22	36.58	4.45	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	2.398	11.5	7.8				
	FCL D2	2.4	0.480	11.8	7.7				
	CLA D3	3.4	3.530	14.1	7.5	2.05	34.95	4.09	
	D4							(S)	
	D5								
10	FCL D1	0.0	2.385	12.8	7.8				
	FCL D2	2.5	0.477	12.9	7.7				
	CLA D3	3.4	3.571	12.9	7.5	2.07	38.93	4.14	
	D4							(S)	
	D5								
11	FCL D1	0.0	2.409	11.6	7.8				
	FCL D2	2.3	0.482	12.0	7.7				
	CLA D3	3.3	3.566	12.2	7.5	1.89	33.48	3.77	
	D4							(S)	
	D5								
12	FCL D1	0.0	2.396	10.1	7.8				
	FCL D2	2.5	0.479	9.9	7.7				
	CLA D3	3.4	3.578	13.2	7.5	1.91	32.01	3.81	
	D4							(S)	
	D5								
13	FCL D1	0.0	2.400	12.1	7.8				
	FCL D2	2.3	0.480	11.9	7.7				
	CLA D3	3.6	3.564	12.9	7.5	2.02	33.73	4.04	
	D4							(S)	
	D5								
14	FCL D1	0.0	2.387	13.6	7.7				
	FCL D2	2.3	0.477	15.4	7.7				
	CLA D3	3.6	3.569	15.1	7.5	2.37	42.94	4.74	
	D4							(S)	
	D5								
15	FCL D1	0.0	2.396	14.9	7.6				
	FCL D2	1.7	0.479	13.8	7.6				
	CLA D3	3.7	3.540	16.7	7.5	2.26	29.81	4.52	
	D4							(S)	
	D5								
16	FCL D1	0.0	2.413	13.9	7.7				
	FCL D2	2.2	0.482	13.4	7.6				
	CLA D3	3.9	3.549	15.7	7.4	2.40	36.34	4.79	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY: 

Certificate No.
and Grade: WS0010736, C

Date: March 10, 2014

TCEQ - 0102C (07-19-10)

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SWMOR

COA Resp to PUC RFI-1030

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: February Year: 2014

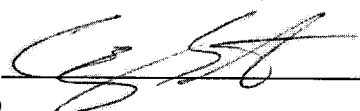
DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	2.416	15.0	7.8				
	FCL D2	1.9	0.483	14.9	7.6				
	CLA D3	3.6	3.536	16.8	7.5	2.35	34.90	4.71	
	D4							(S)	
	D5								
18	FCL D1	0.0	2.371	14.5	7.7				
	FCL D2	1.7	0.474	14.9	7.6				
	CLA D3	3.4	3.560	15.3	7.4	2.10	31.59	4.20	
	D4							(S)	
	D5								
19	FCL D1	0.0	2.394	16.5	7.7				
	FCL D2	2.3	0.479	16.9	7.6				
	CLA D3	3.4	3.562	17.0	7.5	2.58	47.37	5.16	
	D4							(S)	
	D5								
20	FCL D1	0.0	2.401	17.3	7.5				
	FCL D2	2.3	0.480	15.7	7.5				
	CLA D3	3.4	3.536	18.4	7.5	2.65	44.13	5.29	
	D4							(S)	
	D5								
21	FCL D1	0.0	2.420	16.8	7.6				
	FCL D2	2.3	0.484	17.1	7.5				
	CLA D3	3.4	3.532	17.5	7.5	2.68	47.67	5.36	
	D4							(S)	
	D5								
22	FCL D1	0.0	2.413	16.1	7.6				
	FCL D2	2.2	0.483	16.5	7.5				
	CLA D3	3.3	3.520	16.2	7.5	2.46	43.73	4.92	
	D4							(S)	
	D5								
23	FCL D1	0.0	2.406	16.2	7.7				
	FCL D2	2.6	0.481	15.3	7.6				
	CLA D3	3.1	3.578	19.5	7.4	2.61	47.97	5.23	
	D4							(S)	
	D5								
24	FCL D1	0.0	2.418	15.1	7.6				
	FCL D2	2.7	0.484	14.9	7.6				
	CLA D3	3.5	3.558	16.9	7.6	2.58	47.95	5.16	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	2.412	17.3	7.7				
	FCL D2	2.8	0.482	17.7	7.6				
	CLA D3	3.4	3.578	17.9	7.5	2.90	59.85	5.79	
	D4							(S)	
	D5								
26	FCL D1	0.0	2.427	14.2	7.7				
	FCL D2	2.6	0.485	15.0	7.6				
	CLA D3	3.2	3.584	13.9	7.5	2.25	45.62	4.49	
	D4							(S)	
	D5								
27	FCL D1	0.0	2.368	15.1	7.7				
	FCL D2	2.8	0.473	15.1	7.6				
	CLA D3	3.5	3.591	15.7	7.4	2.56	51.04	5.12	
	D4							(S)	
	D5								
28	FCL D1	0.0	2.419	16.5	7.5				
	FCL D2	2.0	0.484	16.4	7.6				
	CLA D3	3.5	3.565	16.3	7.4	2.40	39.87	4.80	
	D4							(S)	
	D5								
29	D1								
	D2								
	D3								
	D4								
	D5								
30	D1								
	D2								
	D3								
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
						Max	2.90	59.85	
						Min	1.68	23.77	
						Avg	2.23	38.50	
						SD	0.32	8.25	

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade: WS0010736, C

Date: March 10, 2014

TCEQ - 0102C (07-19-10)

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SWMOR

COA Resp to PUC RFI-1031

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR) FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: February Year: 2014

Type of treatment: ☒ Conventional

☐ Unconventional explain: _____

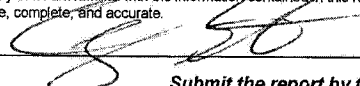
Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	2/17	182	3.93	3.45	12.2	15	0.81			0.81
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
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20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		182.00	3.93	3.45	12.21		0.81			0.81
Max		182.00	3.93	3.45	12.21		0.81			0.81
Min		182.00	3.93	3.45	12.21		0.81			0.81

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	Monthly Compliance Ratio
182	3.93	3.45	12.2	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: 

Certificate No. and Grade: WS0010736, C

Date: March 10, 2014

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: February Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC
#1

ACC #
2

ACC #
3

ACC #
4

ACC #
5

ACC # 6

Treated water SUVA less than or equal to 2.0 L/mg-m? (either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the instructions worksheet for more info.) Measure monthly)

Treated water SUVA measured:	☒ In Plant
	By Finished Water SUVA Jar Test

Current Month SUVA
1.15

ACC
#7

ACC #
8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: _____

Certificate No. and Grade: WS0010736, C

Date: March 10, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that,
to the best of my knowledge, the information is true, complete, and accurate

PWS ID No.: 2270252

Operator's Signature: _____

Report for
the Month of: March 2014

Certificate No. & Grade: WS0010736, C

Date: April 10, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings: <u>186</u>	Number of 4-hour periods when plant was off-line: <u>0</u>
Number of readings above 0.10 NTU: <u>4</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected: <u>0</u>
Number of readings above 0.3 NTU: <u>0</u>	Number of days when plant was on-line but individual filter turbidity data was not collected: <u>0</u>
Number of readings above 0.5 NTU: <u>0</u>	Number of days with readings above 1.0 NTU: <u>0</u> (2)
Number of readings above 1.0 NTU: <u>0</u>	Number of days with readings above 5.0 NTU: <u>0</u> (3)
Maximum allowable turbidity level: <u>0.3</u>	
Percentage of readings above this limit: <u>0.0</u> % (1)	

Statistical Summary

Maximum turbidity reading: <u>0.13</u> NTU	Average turbidity value: <u>0.06</u> NTU
Minimum turbidity reading: <u>0.05</u> NTU	Standard deviation: <u>0.014</u> NTU
CFE 95 th percentile value: <u>0.09</u> NTU	IFE 95 th percentile: <u>0.080</u> NTU

Number of days with a low CT for no more than 4.0 consecutive hours: <u>0</u>	Average log inactivation for Giardia: <u>2.28</u>
Number of days with a low CT for more than 4.0 consecutive hours: <u>0</u> (4)	Average log inactivation for viruses: <u>37.56</u>
	Number of days when profiling data was not collected: <u>0</u>
	Number of days when CT data was not collected: <u>0</u>

Minimum disinfectant residual required leaving the plant: 0.5 mg/L, measured as Total Chlorine

Number of days with a low residual for no more than 4.0 consecutive hours: <u>0</u>	Number of days when disinfectant residual leaving the plant was not properly monitored: <u>0</u>
Number of days with a low residual for more than 4.0 consecutive hours: <u>0</u> (5)	

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine

Total number of readings this month: <u>34</u> (at least 31 required) (8)	Percentage of readings with a low residual this month: <u>0.0</u> % (6A)
Average disinfectant residual value: <u>2.75</u>	Percentage of readings with a low residual last month: <u>0.0</u> % (6B)
Number of readings with a low residual: <u>0</u>	
Number of readings with no detectable residual: <u>0</u>	

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	☒ NONE	☐ Filter Profile	☐ Filter Assessment	☐ CPE
Additional report(s) for individual filter monitoring submitted:	☒ NONE	☐ Filter Profile (9)	☐ Filter Assessment (10)	☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Turbidity Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Connections: 1,013

Month: March Year: 2014

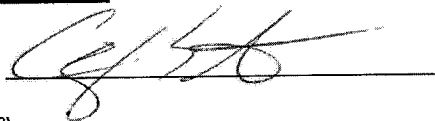
Population: 3,039

PERFORMANCE DATA																			
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY						Lowest Residual	Time	
			NTU	Alk.	Basin No.						Turbidity								
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6			
1	0.455	0.457	5	166	1.2	1.1						0.07	0.07	0.07	0.07	0.07	0.07	2.5	
2	0.486	0.486	5	163	1.2	0.9						0.07	0.07	0.07	0.07	0.06	0.06	2.4	
3	0.432	0.422	5	168	2.8	1.8						0.06	0.06	0.06	0.06	0.06	0.06	2.4	
4	0.662	0.626	8	169	1.6	1.1						0.06	0.06	0.06	0.06	0.06	0.06	3.0	
5	0.837	0.780	8	161	1.2	0.6						0.06	0.06	0.06	0.06	0.06	0.06	2.9	
6	0.495	0.552	12	159	0.7	0.7						0.06	0.06	0.06	0.06	0.06	0.06	3.1	
7	0.413	0.411	5	166	1.3	X						0.06	0.07	0.07	0.06	0.06	0.06	1.4	
8	0.040	0.391	5	168	0.7	X						0.06	0.06	0.06	0.06	0.06	0.06	1.4	
9	0.044	0.473	5	164	0.7	X						0.06	0.06	0.06	0.06	0.06	0.06	2.8	
10	0.350	0.381	5	153	1.0	X						0.06	0.06	0.06	0.06	0.05	0.06	2.5	
11	0.681	0.673	5	140	1.0	X						0.06	0.06	0.05	0.05	0.05	0.05	2.2	
12	0.730	0.733	10	154	0.9	X						0.05	0.05	0.05	0.05	0.05	0.05	3.7	
13	0.583	0.586	9	142	1.7	X						0.05	0.05	0.05	0.05	0.05	0.05	2.8	
14	0.414	0.425	9	149	0.8	X						0.05	0.05	0.05	0.05	0.05	0.05	2.4	
15	0.414	0.425	4	150	1.2	X						0.05	0.05	0.05	0.05	0.05	0.05	3.6	
16	0.516	0.479	4	157	X	1.4						0.05	0.05	0.05	0.05	0.05	0.05	2.2	
17	0.519	0.510	5	153	X	1.2						0.05	0.05	0.05	0.05	0.05	0.05	2.2	
18	0.901	0.918	11	143	x	1.2						0.05	0.05	0.05	0.05	0.05	0.05	2.4	
19	0.974	0.971	9	147	x	1.6						0.05	0.05	0.05	0.05	0.05	0.05	2.4	
20	0.830	0.696	13	136	x	1.6						0.05	0.05	0.05	0.05	0.05	0.05	2.3	
21	0.651	0.574	20	137	x	1.3						0.05	0.05	0.05	0.08	0.06	0.06	2.3	
22	0.586	0.576	8	141	x	0.4						0.06	0.07	0.08	0.08	0.09	0.10	1.8	
23	0.785	0.771	8	144	2.1	x						0.10	0.11	0.12	0.13	0.12	0.10	1.8	
24	0.550	0.535	9	138	2.5	x						0.09	0.09	0.08	0.08	0.07	0.07	2.1	
25	0.943	0.940	8	157	1.9	0.9						0.07	0.07	0.07	0.06	0.06	0.06	2.0	
26	0.487	0.531	7	178	1.3	1.5						0.06	0.06	0.05	0.05	0.05	0.05	2.0	
27	1.135	1.113	9	165	1.0	0.9						0.05	0.05	0.09	0.08	0.08	0.08	1.9	
28	0.661	0.611	22	179	1.1	0.6						0.08	0.08	0.07	0.07	0.07	0.07	2.0	
29	0.748	0.738	7	175	0.9	0.7						0.07	0.07	0.06	0.06	0.06	0.06	1.6	
30	0.838	0.774	7	182	1.5	0.7						0.06	0.06	0.06	0.06	0.06	0.06	1.6	
31	0.613	0.639	6	180	1.9	0.8						0.06	0.06	0.06	0.06	0.06	0.06	1.9	
Total	18.773	19.197																	
Avg	0.606	0.619																	
Max	1.135	1.113																	
Min	0.040	0.381																	

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: April 10, 2014

TCEQ - 0102C (07-19-10)

PAGE 2

SWMOR

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

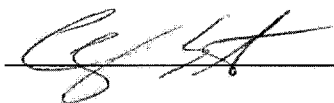
PWS ID No.: 2270252

Month: March Year: 2014

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.03		0.04		0.05		0.06		0.09											
2	0.02		0.03		0.03		0.04		0.07											
3	0.04		0.20		0.05		0.05		0.08											
4	0.04		0.05		0.05		0.07		0.10											
5	0.02		0.04		0.03		0.06		0.10											
6	0.03		0.05		0.05		0.07		0.10											
7	0.03		0.04		0.03		0.03		0.06											
8	0.03		0.04		0.03		0.04		0.06											
9	0.03		0.04		0.03		0.03		0.07											
10	0.02		0.04		0.03		0.03		0.06											
11	0.03		0.05		0.03		0.03		0.06											
12	0.03		0.04		0.03		0.03		0.06											
13	0.02		0.04		0.03		0.03		0.06											
14	0.02		0.04		0.02		0.03		0.06											
15	0.02		0.05		0.02		0.03		0.06											
16	0.03		0.04		0.03		0.03		0.07											
17	0.03		0.04		0.03		0.03		0.07											
18	0.03		0.04		0.03		0.03		0.07											
19	0.03		0.04		0.03		0.03		0.06											
20	0.03		0.04		0.03		0.04		0.06											
21	0.03		0.03		0.03		0.03		0.06											
22	0.06		0.08		0.05		0.04		0.09											
23	0.02		0.04		0.02		0.03		0.06											
24	0.02		0.04		0.02		0.03		0.06											
25	0.03		0.04		0.03		0.03		0.06											
26	0.03		0.04		0.03		0.03		0.07											
27	0.05		0.06		0.03		0.06		0.06											
28	0.05		0.05		0.03		0.04		0.07											
29	0.07		0.05		0.03		0.05		0.07											
30	0.10		0.06		0.04		0.04		0.07											
31	0.02		0.04		0.02		0.03		0.06											

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant
		1	2	3	4	5	6	7	8	9	10	
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month											
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0						
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0						
	Number of days with event(s) above 2.0 NTU this month											0
	Number of days with event(s) above 2.0 NTU last month											0
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N						N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N	N						
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N						
	Is the plant required to submit a Request for Compliance CPE?											N

SUBMITTED BY:



Certificate No.
and Grade: WS0010736, C

Date: April 10, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: March Year: 2014

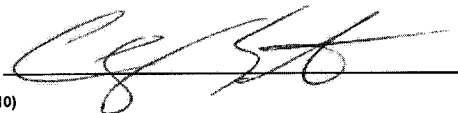
DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	2.407	17.5	7.6				
	FCL D2	1.3	0.481	17.4	7.5				
	CLA D3	3.6	3.513	17.7	7.6	2.35	29.40	4.71	
	D4							(S)	
	D5								
2	FCL D1	0.0	2.378	13.7	7.6				
	FCL D2	1.3	0.475	14.3	7.5				
	CLA D3	3.6	3.551	15.6	7.5	2.03	24.16	4.07	
	D4							(S)	
	D5								
3	FCL D1	0.0	2.434	12.1	7.7				
	FCL D2	2.4	0.487	12.3	7.5				
	CLA D3	3.0	3.570	14.1	7.4	1.97	35.26	3.95	
	D4							(S)	
	D5								
4	FCL D1	0.0	2.416	13.0	7.7				
	FCL D2	2.1	0.483	12.9	7.5				
	CLA D3	3.0	3.570	15.8	7.4	2.02	32.92	4.03	
	D4							(S)	
	D5								
5	FCL D1	0.0	2.412	14.5	7.7				
	FCL D2	1.7	0.482	14.2	7.6				
	CLA D3	3.2	3.540	14.7	7.4	1.95	29.51	3.90	
	D4							(S)	
	D5								
6	FCL D1	0.0	2.416	13.7	7.7				
	FCL D2	2.4	0.483	14.7	7.6				
	CLA D3	3.3	3.558	15.5	7.4	2.30	42.05	4.59	
	D4							(S)	
	D5								
7	FCL D1	0.0	1.270	14.4	7.6				
	FCL D2	1.7	0.254	14.5	7.6				
	CLA D3	3.1	3.532	14.7	7.4	2.63	54.60	5.26	
	D4							(S)	
	D5								
8	FCL D1	0.0	1.269	14.2	7.7				
	FCL D2	1.6	0.253	14.2	7.6				
	CLA D3	2.9	3.543	16.2	7.4	2.54	50.82	5.08	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	1.274	14.1	7.7				
	FCL D2	2.5	0.255	13.9	7.6				
	CLA D3	2.8	3.546	14.0	7.6	2.92	75.31	5.83	
	D4							(S)	
	D5								
10	FCL D1	0.0	1.258	15.9	7.7				
	FCL D2	1.4	0.251	15.5	7.7				
	CLA D3	3.1	3.543	19.9	7.4	2.83	50.16	5.66	
	D4							(S)	
	D5								
11	FCL D1	0.0	1.224	15.8	7.7				
	FCL D2	1.8	0.245	15.3	7.7				
	CLA D3	2.9	3.519	16.5	7.4	2.81	63.11	5.63	
	D4							(S)	
	D5								
12	FCL D1	0.0	1.249	14.4	7.7				
	FCL D2	1.6	0.249	14.9	7.6				
	CLA D3	3.1	3.548	16.4	7.4	2.72	54.24	5.44	
	D4							(S)	
	D5								
13	FCL D1	0.0	1.283	14.1	7.8				
	FCL D2	2.2	0.256	14.6	7.6				
	CLA D3	3.2	3.545	16.5	7.4	3.11	70.27	6.21	
	D4							(S)	
	D5								
14	FCL D1	0.0	1.300	14.6	7.7				
	FCL D2	1.7	0.260	14.4	7.6				
	CLA D3	3.6	3.597	16.7	7.4	2.88	53.85	5.76	
	D4							(S)	
	D5								
15	FCL D1	0.0	1.272	16.5	7.6				
	FCL D2	1.7	0.254	16.6	7.6				
	CLA D3	3.9	3.539	18.1	7.5	3.43	64.28	6.86	
	D4							(S)	
	D5								
16	FCL D1	0.0	1.654	15.4	7.7				
	FCL D2	1.0	0.331	15.4	7.7				
	CLA D3	3.6	3.535	16.6	7.5	2.21	28.41	4.41	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: April 10, 2014

TCEQ - 0102C (07-19-10)

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SWMOR

COA Resp to PUC RFI-1037

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME:

River Place MUD

PLANT NAME
OR NUMBER:

RIVER PLACE WTP

PWS ID No.:

2270252

Month:

March

Year: 2014

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	1.709	14.3	7.8				
	FCL D2	1.4	0.341	14.2	7.8				
	CLA D3	3.1	3.506	15.3	7.5	2.04	33.97	4.09	
	D4							(S)	
	D5								
18	FCL D1	0.0	1.725	15.5	7.9				
	FCL D2	1.1	0.345	15.1	7.9				
	CLA D3	3.1	3.558	16.0	7.4	1.92	28.64	3.84	
	D4							(S)	
	D5								
19	FCL D1	0.0	1.688	16.3	7.9				
	FCL D2	1.0	0.338	16.3	7.9				
	CLA D3	3.0	3.527	17.3	7.5	1.99	29.05	3.97	
	D4							(S)	
	D5								
20	FCL D1	0.0	1.719	15.5	7.9				
	FCL D2	1.0	0.344	15.2	7.8				
	CLA D3	3.0	3.522	16.0	7.4	1.87	26.46	3.73	
	D4							(S)	
	D5								
21	FCL D1	0.0	1.729	15.7	7.9				
	FCL D2	1.0	0.346	15.6	7.9				
	CLA D3	2.9	3.528	17.2	7.9	1.89	27.12	3.78	
	D4							(S)	
	D5								
22	FCL D1	0.0	1.204	19.0	7.8				
	FCL D2	1.1	0.347	19.1	7.9				
	CLA D3	3.1	3.502	18.8	7.5	2.36	37.35	4.71	
	D4							(S)	
	D5								
23	FCL D1	0.0	1.701	16.3	7.7				
	FCL D2	1.0	0.340	16.3	7.7				
	CLA D3	2.5	3.528	17.6	7.5	1.84	28.45	3.69	
	D4							(S)	
	D5								
24	FCL D1	0.0	1.699	16.4	7.7				
	FCL D2	1.0	0.340	16.3	7.6				
	CLA D3	2.6	3.532	17.6	7.5	1.91	28.55	3.83	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	3.413	17.5	7.7				
	FCL D2	1.3	0.683	17.0	7.7				
	CLA D3	2.8	3.530	17.6	7.4	1.71	20.45	3.41	
	D4							(S)	
	D5								
26	FCL D1	0.0	3.390	17.1	7.8				
	FCL D2	0.6	0.678	17.0	7.7				
	CLA D3	3.1	3.526	18.3	7.5	1.64	11.50	3.28	
	D4							(S)	
	D5								
27	FCL D1	0.0	3.401	17.6	7.7				
	FCL D2	2.3	0.680	17.6	7.7				
	CLA D3	3.1	3.527	19.1	7.5	2.29	36.10	4.57	
	D4							(S)	
	D5								
28	FCL D1	0.0	3.402	20.4	7.8				
	FCL D2	1.0	0.680	19.4	7.8				
	CLA D3	3.2	3.528	20.2	7.4	2.06	19.96	4.12	
	D4							(S)	
	D5								
29	FCL D1	0.0	3.450	19.7	7.8				
	FCL D2	1.2	0.690	19.3	7.7				
	CLA D3	3.2	3.542	19.9	7.5	2.11	22.67	4.22	
	D4							(S)	
	D5								
30	FCL D1	0.0	3.428	19.5	7.7				
	FCL D2	1.2	0.685	19.0	7.6				
	CLA D3	3.3	3.520	19.0	7.5	2.10	22.32	4.19	
	D4							(S)	
	D5								
31	FCL D1	0.0	3.444	19.7	7.7				
	FCL D2	1.9	0.688	19.2	7.5				
	CLA D3	3.2	3.507	19.4	7.5	2.39	33.45	4.78	
	D4							(S)	
	D5								
						Max	3.43	75.31	
						Min	1.64	11.50	
						Avg	2.28	37.58	
						SD	0.44	15.85	

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: April 10, 2014

TCEQ - 0102C (07-19-10)

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SWMOR

COA Resp to PUC RFI-1038

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR)

FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: River Place MUD
 PWS ID No.: 2270252

PLANT NAME OR NUMBER: RIVER PLACE WTP
 Month: March Year: 2014

Type of treatment: ☒ Conventional ☐ Unconventional explain: _____

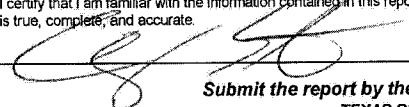
Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	3/6	162	3.90	3.43	12.1	15	0.80			0.80
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
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21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		162.00	3.90	3.43	12.05		0.80			0.80
Max		162.00	3.90	3.43	12.05		0.80			0.80
Min		162.00	3.90	3.43	12.05		0.80			0.80

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary: Don't forget to include a copy of your P/Z TOC ACC worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
162	3.90	3.43	12.1	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: 

Certificate No. and Grade: WS0010736, C

Date: April 10, 2014

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: March Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC
#1

ACC #
2

ACC #
3

ACC #
4

ACC #
5

ACC #
6

Treated water SUVA less than or equal to 2.0 L/mg-m?
(either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the Instructions worksheet for more info.) Measure monthly

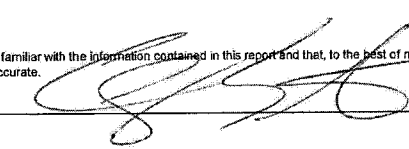
Treated water
SUVA measured. ☒ In Plant
☐ By Finished Water SUVA Jar Test

Current
Month SUVA
1.20

ACC
#7

ACC #
8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: 

Certificate No. and Grade: WS0010736, C

Date: April 10, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
Summary Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

PWS ID No.: 2270252

Operator's Signature: [Signature]

Report for

the Month of: April 2014

Certificate No. & Grade: WS0010736, C

Date: May 8, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		

Statistical Summary	Maximum turbidity reading:	0.08 NTU	Average turbidity value:	0.06 NTU
	Minimum turbidity reading:	0.05 NTU	Standard deviation:	0.005 NTU
	CFE 95 th percentile value:	0.07 NTU	IFE 95 th percentile:	0.106 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.68
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	41.11
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine
Number of days with a low residual for no more than 4.0 consecutive hours:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)
	Number of days when disinfectant residual leaving the plant was not properly monitored:
	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine
Total number of readings this month:	33 (at least 30 required) (8)
Average disinfectant residual value:	2.45
Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0
Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ☒ NONE ☐ Filter Profile ☐ Filter Assessment ☐ CPE

Additional report(s) for individual filter monitoring submitted: ☒ NONE ☐ Filter Profile (9) ☐ Filter Assessment (10) ☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Turbidity Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Connections: 1,013

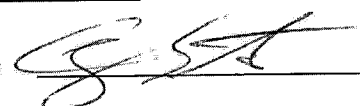
Month: April Year: 2014

Population: 3,039

					PERFORMANCE DATA														
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY								
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time	
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6			
1	1.145	1.123	14	174	0.8	0.4						0.06	0.06	0.06	0.06	0.06	0.06	2.1	
2	1.270	1.298	6	182	1.3	1.1						0.06	0.06	0.06	0.06	0.06	0.06	2.3	
3	0.832	0.774	7	177	1.0	1.0						0.06	0.06	0.06	0.06	0.06	0.06	3.1	
4	0.333	0.315	5	182	1.1	0.9						0.06	0.06	0.06	0.06	0.06	0.06	1.9	
5	0.995	0.948	7	179	1.8	1.4						0.06	0.06	0.06	0.06	0.06	0.06	1.4	
6	0.642	0.635	8	174	2.1	1.6						0.06	0.06	0.06	0.06	0.06	0.06	1.5	
7	0.539	0.470	9	180	2.0	1.0						0.06	0.06	0.06	0.06	0.06	0.06	2.2	
8	1.006	0.985	9	172	0.8	0.4						0.06	0.06	0.06	0.06	0.06	0.06	3.4	
9	1.177	1.139	9	183	1.2	0.5						0.06	0.06	0.06	0.06	0.06	0.06	3.3	
10	1.021	1.011	7	183	1.5	0.9						0.06	0.06	0.06	0.06	0.06	0.07	3.2	
11	0.629	0.626	7	177	1.3	0.6						0.07	0.07	0.07	0.07	0.07	0.07	2.5	
12	0.688	0.698	8	180	1.1	0.5						0.07	0.07	0.06	0.06	0.06	0.06	3.1	
13	0.654	0.645	7	176	1.0	0.5						0.06	0.06	0.06	0.06	0.06	0.06	2.2	
14	0.685	0.664	7	184	1.1	1.0						0.06	0.06	0.06	0.06	0.06	0.06	2.2	
15	1.191	1.110	6	169	0.9	0.7						0.06	0.06	0.06	0.06	0.06	0.06	3.2	
16	1.245	1.301	7	170	1.4	0.5						0.06	0.07	0.06	0.07	0.07	0.07	2.2	
17	0.511	0.586	7	166	1.4	1.0						0.07	0.07	0.06	0.06	0.06	0.06	2.2	
18	0.687	0.536	6	175	1.2	1.0						0.06	0.06	0.06	0.06	0.07	0.07	2.3	
19	0.734	0.755	7	180	1.4	0.6						0.07	0.07	0.07	0.07	0.07	0.07	2.4	
20	0.622	0.771	6	174	0.7	0.5						0.07	0.07	0.07	0.07	0.07	0.06	2.1	
21	0.563	0.568	4	174	0.8	0.7						0.06	0.06	0.06	0.06	0.06	0.06	2.5	
22	1.559	1.491	6	178	1.1	1.1						0.06	0.06	0.06	0.06	0.06	0.06	2.6	
23	1.666	1.489	8	172	0.5	0.5						0.07	0.08	0.07	0.06	0.06	0.06	2.2	
24	1.107	1.102	8	77	0.6	0.6						0.06	0.06	0.06	0.06	0.06	0.06	2.2	
25	0.681	0.630	4	175	0.6	0.5						0.06	0.06	0.06	0.06	0.06	0.06	2.2	
26	0.806	0.864	9	171	0.5	0.4						0.06	0.06	0.06	0.06	0.06	0.06	2.3	
27	1.289	1.188	11	179	1.0	0.4						0.06	0.06	0.06	0.06	0.06	0.06	2.4	
28	0.800	0.792	4	172	0.8	0.5						0.06	0.05	0.05	0.05	0.05	0.05	2.4	
29	1.405	1.367	6	170	0.9	0.8						0.05	0.05	0.05	0.05	0.05	0.05	2.9	
30	2.098	2.052	5	164	1.3	1.3						0.05	0.05	0.06	0.06	0.05	0.05	1.6	
31																			
Total	28.580	27.933																	
Avg	0.953	0.931																	
Max	2.098	2.052																	
Min	0.333	0.315																	

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY: 

Certificate No. and Grade: WS0010736, C Date: May 8, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: April Year: 2014

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.05		0.06		0.03		0.06		0.07											
2	0.06		0.04		0.11		0.06		0.07											
3	0.03		0.04		0.05		0.05		0.07											
4	0.03		0.04		0.05		0.05		0.06											
5	0.04		0.04		0.04		0.06		0.09											
6	0.05		0.05		0.04		0.05		0.08											
7	0.03		0.05		0.04		0.05		0.08											
8	0.03		0.05		0.04		0.05		0.08											
9	0.07		0.06		0.08		0.07		0.09											
10	0.04		0.07		0.06		0.08		0.09											
11	0.03		0.05		0.04		0.07		0.08											
12	0.04		0.06		0.04		0.05		0.09											
13	0.04		0.05		0.04		0.05		0.08											
14	0.05		0.28		0.12		0.04		0.08											
15	0.09		0.26		0.06		0.04		0.08											
16	0.12		0.23		0.10		0.04		0.07											
17	0.03		0.06		0.04		0.09		0.09											
18	0.02		0.05		0.03		0.06		0.09											
19	0.02		0.05		0.03		0.05		0.08											
20	0.02		0.14		0.02		0.05		0.08											
21	0.02		0.05		0.02		0.06		0.07											
22	0.02		0.06		0.03		0.14		0.08											
23	0.02		0.05		0.02		0.06		0.08											
24	0.02		0.04		0.07		0.04		0.08											
25	0.02		0.06		0.02		0.05		0.08											
26	0.02		0.08		0.02		0.05		0.07											
27	0.01		0.04		0.02		0.07		0.07											
28	0.02		0.05		0.02		0.06		0.07											
29	0.05		0.06		0.04		0.04		0.07											
30	0.02		0.06		0.03		0.03		0.06											
31																				

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant
		1	2	3	4	5	6	7	8	9	10	
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month											
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0						
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0						
	Number of days with event(s) above 2.0 NTU this month											0
	Number of days with event(s) above 2.0 NTU last month											0
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N						N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N	N						
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N						
	Is the plant required to submit a Request for Compliance CPE?											N

SUBMITTED BY:

Certificate No.
and Grade: WS0010736, C

Date: May 8, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

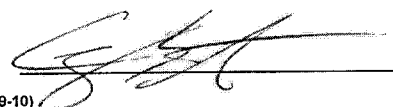
Month: April Year: 2014

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	3.434	20.8	7.9				
	FCL D2	1.8	0.683	20.6	7.5				
	CLA D3	2.9	3.534	20.3	7.5	2.37	34.82	4.74	
	D4							(S)	
	D5								
2	FCL D1	0.0	3.424	21.4	7.5				
	FCL D2	0.4	0.684	20.8	7.5				
	CLA D3	3.3	3.477	20.8	7.5	1.98	11.30	3.96	
	D4							(S)	
	D5								
3	FCL D1	0.0	3.460	21.5	7.7				
	FCL D2	1.9	0.692	21.4	7.6				
	CLA D3	3.2	3.492	20.5	7.5	2.61	38.46	5.21	
	D4							(S)	
	D5								
4	FCL D1	0.0	3.503	20.2	7.7				
	FCL D2	0.4	0.700	19.6	7.6				
	CLA D3	3.1	3.559	20.0	7.7	1.73	10.03	3.45	
	D4							(S)	
	D5								
5	FCL D1	0.0	3.493	19.0	7.7				
	FCL D2	1.7	0.698	19.1	7.6				
	CLA D3	3.0	3.503	20.3	7.5	2.26	29.76	4.52	
	D4							(S)	
	D5								
6	FCL D1	0.0	3.460	19.6	7.8				
	FCL D2	1.9	0.692	19.4	7.6				
	CLA D3	2.9	3.479	19.3	7.6	2.23	33.35	4.45	
	D4							(S)	
	D5								
7	FCL D1	0.0	3.487	19.5	7.8				
	FCL D2	1.9	0.690	19.5	7.6				
	CLA D3	2.5	3.530	19.5	7.5	2.04	33.17	4.08	
	D4							(S)	
	D5								
8	FCL D1	0.0	3.494	19.8	7.8				
	FCL D2	2.1	0.699	19.6	7.6				
	CLA D3	2.9	3.513	20.6	7.5	2.40	36.91	4.80	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	3.481	21.3	7.6				
	FCL D2	1.0	0.696	22.1	7.6				
	CLA D3	3.6	3.471	20.5	7.6	2.45	23.48	4.69	
	D4							(S)	
	D5								
10	FCL D1	0.0	3.468	21.1	7.7				
	FCL D2	2.1	0.693	20.2	7.7				
	CLA D3	3.7	3.503	20.3	7.5	2.79	39.55	5.58	
	D4							(S)	
	D5								
11	FCL D1	0.0	3.482	21.7	7.7				
	FCL D2	2.2	0.696	22.2	7.6				
	CLA D3	3.2	3.479	20.5	7.5	2.78	45.94	5.57	
	D4							(S)	
	D5								
12	FCL D1	0.0	3.464	21.4	7.6				
	FCL D2	1.3	0.692	20.7	7.6				
	CLA D3	3.1	3.441	20.4	7.7	2.28	26.38	4.55	
	D4							(S)	
	D5								
13	FCL D1	0.0	3.488	21.8	7.7				
	FCL D2	0.6	0.697	21.6	7.5				
	CLA D3	3.1	3.468	21.4	7.5	2.07	15.13	4.14	
	D4							(S)	
	D5								
14	FCL D1	0.0	3.460	19.4	7.7				
	FCL D2	1.7	0.699	19.0	7.6				
	CLA D3	3.1	3.460	19.7	7.6	2.28	30.16	4.56	
	D4							(S)	
	D5								
15	FCL D1	0.0	3.533	18.7	7.7				
	FCL D2	0.4	0.706	18.5	7.6				
	CLA D3	3.5	3.445	19.5	7.6	1.91	9.98	3.82	
	D4							(S)	
	D5								
16	FCL D1	0.0	3.513	19.7	7.7				
	FCL D2	2.4	0.702	19.7	7.6				
	CLA D3	3.5	3.499	19.9	7.5	2.74	42.33	5.48	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY: 

Certificate No.
and Grade: WS0010736, C

Date: May 8, 2014

TCEQ - 0102C (07-19-10)

PAGE 4

SWMOR

COA Resp to PUC RFI-1044

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME:

River Place MUD

PLANT NAME
OR NUMBER:

RIVER PLACE WTP

PWS ID No.:

2270252

Month:

April

Year: 2014

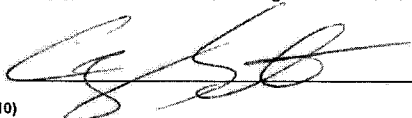
DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	3.512	19.5	7.7				
	FCL D2	2.2	0.702	19.5	7.6				
	CLA D3	3.3	3.460	20.7	7.5	2.67	38.70	5.33	
	D4							(G)	
	D5								
18	FCL D1	0.0	3.526	21.7	7.7				
	FCL D2	2.0	0.705	20.6	7.6				
	CLA D3	2.9	3.458	20.8	7.5	2.50	37.42	5.00	
	D4							(G)	
	D5								
19	FCL D1	0.0	2.312	21.0	7.6				
	FCL D2	2.0	0.464	21.3	7.5				
	CLA D3	2.9	3.489	20.5	7.5	3.03	57.33	6.06	
	D4							(G)	
	D5								
20	FCL D1	0.0	2.319	19.7	7.7				
	FCL D2	1.5	0.463	19.9	7.6				
	CLA D3	3.1	3.378	20.7	7.5	2.74	40.71	5.47	
	D4							(G)	
	D5								
21	FCL D1	0.0	2.312	22.3	7.8				
	FCL D2	2.0	0.462	21.3	7.6				
	CLA D3	3.1	3.457	20.6	7.5	3.11	57.88	6.21	
	D4							(G)	
	D5								
22	FCL D1	0.0	2.308	22.0	7.7				
	FCL D2	0.6	0.461	21.9	7.6				
	CLA D3	3.1	3.445	21.3	7.5	2.25	21.08	4.50	
	D4							(G)	
	D5								
23	FCL D1	0.0	2.323	21.5	7.7				
	FCL D2	0.9	0.464	21.7	7.6				
	CLA D3	3.4	3.417	20.9	7.5	2.61	29.33	5.22	
	D4							(G)	
	D5								
24	FCL D1	0.0	2.326	21.5	7.7				
	FCL D2	2.2	0.465	21.7	7.6				
	CLA D3	3.1	3.453	22.2	7.5	3.45	65.02	6.89	
	D4							(G)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	2.376	21.5	7.7				
	FCL D2	2.4	0.475	21.4	7.7				
	CLA D3	3.1	3.484	20.9	7.5	3.25	67.38	6.51	
	D4							(G)	
	D5								
26	FCL D1	0.0	2.337	20.7	7.7				
	FCL D2	2.2	0.467	21.7	7.6				
	CLA D3	3.2	3.482	21.2	7.5	3.36	64.56	6.71	
	D4							(G)	
	D5								
27	FCL D1	0.0	2.322	22.7	7.7				
	FCL D2	2.5	0.464	22.8	7.6				
	CLA D3	3.0	3.482	23.2	7.5	3.82	79.02	7.64	
	D4							(G)	
	D5								
28	FCL D1	0.0	2.328	23.5	7.7				
	FCL D2	2.0	0.465	23.8	7.6				
	CLA D3	3.1	3.444	23.1	7.5	3.70	68.44	7.39	
	D4							(G)	
	D5								
29	FCL D1	0.0	2.386	23.1	7.7				
	FCL D2	2.3	0.477	23.6	7.6				
	CLA D3	2.9	3.457	22.7	7.5	3.64	74.72	7.27	
	D4							(G)	
	D5								
30	FCL D1	0.0	2.325	21.4	7.6				
	FCL D2	2.5	0.465	21.3	7.6				
	CLA D3	3.0	3.481	21.8	7.5	3.44	71.10	6.89	
	D4							(G)	
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
						Max	3.82	79.02	
						Min	1.73	9.98	
						Avg	2.68	41.11	
						SD	0.56	19.68	

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: May 8, 2014

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

COA Resp to PUC RFI-1045

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR) FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: April Year: 2014

Type of treatment: ☒ Conventional ☐ Unconventional explain: _____

Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	4/15	163	3.84	3.43	10.7	15	0.71			0.71
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		163.00	3.84	3.43	10.68		0.71			0.71
Max		163.00	3.84	3.43	10.68		0.71			0.71
Min		163.00	3.84	3.43	10.68		0.71			0.71

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	Monthly Compliance Ratio
163	3.84	3.43	10.7	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's
Signature: _____

Certificate No. and Grade: WS0010736, C

Date: May 8, 2014

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: April Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC
#1

ACC #
2

ACC #
3

ACC #
4

ACC #
5

ACC #
6

Treated water SUVA less than or equal to 2.0 L/mg-m?
(either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the instructions worksheet for more info.) Measure monthly

Treated water
SUVA measured: ☒ In Plant
☐ By Finished Water SUVA Jar Test

Current
Month SUVA
1.29

ACC
#7

ACC #
8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: _____

Certificate No. and Grade: WS0010736, C

Date: May 8, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
Summary Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that,
to the best of my knowledge, the information is true, complete, and accurate.

PWS ID No.: 2270252

Operator's Signature: _____

Report for

the Month of: May 2014

Certificate No. & Grade:

WS0010736, C

Date: June 9, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings: <u>186</u>	Number of 4-hour periods when plant was off-line: <u>0</u>
Number of readings above 0.10 NTU: <u>0</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected: <u>0</u>
Number of readings above 0.3 NTU: <u>0</u>	Number of days when plant was on-line but individual filter turbidity data was not collected: <u>0</u>
Number of readings above 0.5 NTU: <u>0</u>	Number of days with readings above 1.0 NTU: <u>0</u> (2)
Number of readings above 1.0 NTU: <u>0</u>	Number of days with readings above 5.0 NTU: <u>0</u> (3)
Maximum allowable turbidity level: <u>0.3</u>	
Percentage of readings above this limit: <u>0.0</u> % (1)	

Statistical Summary

Maximum turbidity reading: <u>0.09</u> NTU	Average turbidity value: <u>0.06</u> NTU
Minimum turbidity reading: <u>0.05</u> NTU	Standard deviation: <u>0.009</u> NTU
CFE 95 th percentile value: <u>0.08</u> NTU	IFE 95 th percentile: <u>0.093</u> NTU

Number of days with a low CT for no more than 4.0 consecutive hours: <u>0</u>	Average log inactivation for Giardia: <u>3.28</u>
Number of days with a low CT for more than 4.0 consecutive hours: <u>0</u> (4)	Average log inactivation for viruses: <u>54.15</u>
	Number of days when profiling data was not collected: <u>0</u>
	Number of days when CT data was not collected: <u>0</u>

Minimum disinfectant residual required leaving the plant: 0.5 mg/L, measured as Total Chlorine

Number of days with a low residual for no more than 4.0 consecutive hours: <u>0</u>	Number of days when disinfectant residual leaving the plant was not properly monitored: <u>0</u>
Number of days with a low residual for more than 4.0 consecutive hours: <u>0</u> (5)	

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: <u>0.5</u> mg/L, measured as Total Chlorine	
Total number of readings this month: <u>34</u> (at least 31 required) (8)	Percentage of readings with a low residual this month: <u>0.0</u> % (6A)
Average disinfectant residual value: <u>2.62</u>	Percentage of readings with a low residual last month: <u>0.0</u> % (6B)
Number of readings with a low residual: <u>0</u>	
Number of readings with no detectable residual: <u>0</u>	

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	☒ NONE	☐ Filter Profile	☐ Filter Assessment	☐ CPE
Additional report(s) for individual filter monitoring submitted:	☒ NONE	☐ Filter Profile (9)	☐ Filter Assessment (10)	☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

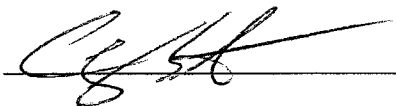
Turbidity Data Page

PUBLIC WATER SYSTEM NAME: <u>River Place MUD</u> PWS ID No : <u>2270252</u> Month: <u>May</u> Year: <u>2014</u>	PLANT NAME OR NUMBER: <u>RIVER PLACE WTP</u> Connections: <u>1,013</u> Population: <u>3,039</u>
---	--

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	1.230	1.230	5	170	1.0	1.1					0.05	0.05	0.05	0.05	0.05	0.05	1.6	
2	0.680	0.680	5	182	0.6	0.4					0.05	0.05	0.05	0.05	0.05	0.05	2.2	
3	1.126	1.126	5	179	0.6	0.4					0.05	0.05	0.05	0.06	0.06	0.06	1.8	
4	1.327	0.832	5	152	1.1	0.7					0.06	0.06	0.06	0.06	0.06	0.06	1.5	
5	0.822	0.917	4	176	0.7	0.6					0.06	0.06	0.06	0.06	0.06	0.06	1.5	
6	1.351	1.278	10	174	0.7	0.5					0.06	0.06	0.06	0.06	0.06	0.06	3.7	
7	2.027	2.154	5	175	0.6	0.5					0.06	0.06	0.06	0.06	0.06	0.06	2.7	
8	1.047	1.063	4	186	1.0	1.0					0.06	0.06	0.06	0.05	0.05	0.05	2.2	
9	0.734	0.762	5	180	0.8	0.9					0.05	0.05	0.05	0.05	0.07	0.05	2.4	
10	0.979	1.021	5	182	1.0	1.0					0.05	0.05	0.05	0.06	0.06	0.06	2.4	
11	0.942	0.893	6	182	0.8	0.6					0.06	0.06	0.06	0.06	0.06	0.06	2.4	
12	0.397	0.309	6	157	0.9	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.2	
13	1.191	1.289	6	172	2.0	1.2					0.06	0.06	0.06	0.06	0.06	0.06	3.0	
14	1.031	1.009	6	170	1.3	0.9					0.06	0.06	0.06	0.06	0.06	0.06	3.0	
15	0.788	0.950	6	174	0.8	0.7					0.06	0.06	0.06	0.06	0.06	0.06	3.0	
16	0.656	0.674	6	177	2.2	0.8					0.06	0.06	0.06	0.06	0.06	0.06	2.2	
17	0.785	0.812	7	151	1.8	0.6					0.06	0.06	0.06	0.06	0.06	0.06	2.3	
18	0.965	0.988	9	169	1.0	0.7					0.06	0.06	0.06	0.06	0.06	0.06	2.4	
19	0.776	0.767	6	180	1.0	0.8					0.06	0.06	0.06	0.06	0.07	0.07	2.0	
20	1.415	1.658	4	174	0.8	0.7					0.07	0.07	0.07	0.07	0.08	0.08	2.0	
21	1.467	1.471	6	177	0.7	0.7					0.08	0.08	0.09	0.09	0.09	0.09	2.2	
22	0.714	1.335	9	181	0.8	0.4					0.08	0.08	0.08	0.08	0.07	0.07	2.2	
23	1.360	0.928	6	179	0.8	0.4					0.07	0.06	0.06	0.06	0.06	0.06	2.9	
24	0.743	0.689	5	183	0.8	0.5					0.06	0.06	0.06	0.06	0.06	0.06	2.9	
25	0.743	0.680	6	168	0.9	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.2	
26	0.665	0.827	5	160	1.5	0.6					0.06	0.06	0.06	0.07	0.07	0.08	3.2	
27	0.746	0.781	8	176	1.1	0.9					0.08	0.08	0.08	0.07	0.07	0.07	3.2	
28	1.008	1.060	5	173	0.6	0.2					0.07	0.07	0.06	0.06	0.06	0.06	3.2	
29	0.775	0.843	6	176	0.5	0.5					0.06	0.06	0.06	0.06	0.06	0.06	2.9	
30	0.504	0.497	6	171	0.5	0.5					0.06	0.06	0.06	0.06	0.08	0.09	2.2	
31	0.724	0.738	5	177	0.1	0.0					0.06	0.06	0.06	0.06	0.08	0.09	3.0	
Total	29.718	30.261	NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.															
Avg	0.959	0.976																
Max	2.027	2.154																
Min	0.397	0.309																

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY:



Certificate No. and Grade:

WS0010736, C

Date: June 9, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: May Year: 2014

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.02		0.04		0.02		0.04		0.06											
2	0.02		0.05		0.03		0.03		0.08											
3	0.02		0.08		0.03		0.05		0.08											
4	0.02		0.05		0.02		0.05		0.08											
5	0.02		0.05		0.02		0.05		0.08											
6	0.01		0.35		0.05		0.05		0.07											
7	0.01		0.06		0.03		0.04		0.07											
8	0.01		0.04		0.02		0.04		0.07											
9	0.01		0.04		0.02		0.06		0.08											
10	0.01		0.04		0.02		0.05		0.08											
11	0.01		0.04		0.02		0.08		0.08											
12	0.01		0.06		0.04		0.05		0.08											
13	x		0.06		0.04		0.06		0.11											
14	x		0.09		0.05		0.05		0.08											
15	x		0.02		0.08		0.04		0.08											
16	x		0.05		0.04		0.06		0.09											
17	x		0.04		0.03		0.06		0.09											
18	x		0.06		0.05		0.07		0.07											
19	x		0.08		0.06		0.06		0.09											
20	x		0.12		0.12		0.07		0.09											
21	x		0.12		0.10		0.06		0.09											
22	x		0.06		0.05		0.06		0.09											
23	x		0.04		0.03		0.06		0.09											
24	x		0.06		0.03		0.05		0.08											
25	x		0.07		0.05		0.04		0.07											
26	x		0.06		0.04		0.05		0.08											
27	x		0.04		0.03		0.04		0.08											
28	x		0.04		0.03		0.04		0.08											
29	x		0.04		0.03		0.08		0.10											
30	X		0.04		0.02		0.07		0.06											
31	X		0.04		0.03		0.06		0.09											

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant
		1	2	3	4	5	6	7	8	9	10	
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month											
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0						
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0						
	Number of days with event(s) above 2.0 NTU this month											0
	Number of days with event(s) above 2.0 NTU last month											0
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N						N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N	N						
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N						
	Is the plant required to submit a Request for Compliance CPE?											N

SUBMITTED BY:



Certificate No.
and Grade: WS0010736, C

Date: June 9, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Disinfection Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

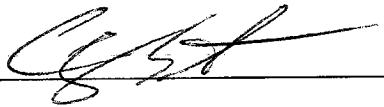
PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: May Year: 2014

DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Viruses	
Flow Rate (MGD)	2.290	0.916	5.760			0.5		2.0	
T ₁₀ (minutes)	40.4	8.4	111.8						

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	2.304	22.1	7.5				
	FCL D2	1.6	0.460	22.9	7.6				
	CLA D3	2.5	3.497	21.2	7.5	2.74	51.69	5.47	
	D4							(S)	
	D5								
2	FCL D1	0.0	2.319	22.0	7.5				
	FCL D2	2.3	0.463	22.4	7.5				
	CLA D3	4.0	3.532	22.2	7.4	4.14	72.37	8.28	
	D4							(S)	
	D5								
3	FCL D1	0.0	2.372	21.1	7.5				
	FCL D2	2.0	0.474	21.7	7.5				
	CLA D3	4.0	3.465	23.6	7.6	4.14	60.32	8.27	
	D4							(S)	
	D5								
4	FCL D1	0.0	2.383	21.0	7.6				
	FCL D2	1.3	0.477	21.3	7.4				
	CLA D3	2.8	3.465	21.7	7.7	2.66	37.80	5.33	
	D4							(S)	
	D5								
5	FCL D1	0.0	2.347	21.2	7.6				
	FCL D2	1.5	0.470	20.8	7.6				
	CLA D3	2.7	3.515	21.7	7.5	2.61	42.06	5.22	
	D4							(S)	
	D5								
6	FCL D1	0.0	2.347	21.2	7.6				
	FCL D2	1.5	0.470	20.8	7.6				
	CLA D3	2.7	3.515	21.7	7.5	2.62	42.07	5.23	
	D4							(S)	
	D5								
7	FCL D1	0.0	2.332	20.6	7.5				
	FCL D2	2.1	0.466	21.0	7.6				
	CLA D3	4.0	3.424	23.1	7.6	4.02	61.12	8.04	
	D4							(S)	
	D5								
8	FCL D1	0.0	2.314	21.4	7.6				
	FCL D2	1.8	0.462	21.7	7.6				
	CLA D3	4.0	3.468	21.1	7.5	3.56	55.17	7.12	
	D4							(S)	
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	2.324	21.1	7.6				
	FCL D2	1.6	0.464	21.3	7.6				
	CLA D3	3.9	3.504	21.5	7.5	3.37	48.19	6.74	
	D4							(S)	
	D5								
10	FCL D1	0.0	2.348	21.3	7.5				
	FCL D2	0.8	0.469	20.6	7.4				
	CLA D3	3.7	3.505	21.1	7.5	2.66	25.08	5.32	
	D4							(S)	
	D5								
11	FCL D1	0.0	2.307	22.7	7.6				
	FCL D2	1.8	0.461	23.8	7.6				
	CLA D3	3.4	3.492	22.5	7.6	3.63	62.74	7.27	
	D4							(S)	
	D5								
12	FCL D1	0.0	2.329	23.2	7.6				
	FCL D2	1.6	0.466	22.4	7.6				
	CLA D3	3.3	3.489	22.0	7.5	3.21	50.76	6.42	
	D4							(S)	
	D5								
13	FCL D1	0.0	2.388	20.1	7.6				
	FCL D2	1.8	0.477	20.0	7.5				
	CLA D3	3.3	3.405	21.8	7.6	3.16	47.61	6.31	
	D4							(S)	
	D5								
14	FCL D1	0.0	2.329	21.7	7.6				
	FCL D2	2.0	0.582	21.7	7.6				
	CLA D3	3.3	3.431	21.6	7.6	3.07	48.56	6.14	
	D4							(S)	
	D5								
15	FCL D1	0.0	2.359	22.8	7.6				
	FCL D2	1.0	0.588	23.3	7.5				
	CLA D3	3.5	3.490	22.1	7.6	2.79	29.26	5.57	
	D4							(S)	
	D5								
16	FCL D1	0.0	2.355	22.4	7.7				
	FCL D2	2.9	0.588	21.6	7.6				
	CLA D3	3.4	3.467	22.3	7.5	3.57	67.59	7.14	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY: 

Certificate No. and Grade: WS0010736, C

Date: June 9, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: May Year: 2014

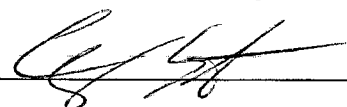
DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Virus	
Flow Rate (MGD)	2.290	0.916	5.760			0.5		2.0	
T ₁₀ (minutes)	40.4	8.4	111.8						

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	2.338	21.9	7.6				
	FCL D2	2.8	0.584	21.3	7.5				
	CLA D3	3.0	3.492	21.3	7.6	3.21	63.70	6.41	
	D4							(G)	
	D5								
18	FCL D1	0.0	2.328	21.8	7.7				
	FCL D2	2.9	0.582	21.5	7.5				
	CLA D3	2.9	3.474	22.3	7.6	3.34	67.08	6.69	
	D4							(G)	
	D5								
19	FCL D1	0.0	2.318	23.7	7.6				
	FCL D2	2.7	0.579	24.5	7.5				
	CLA D3	3.0	3.477	22.5	7.6	3.71	76.85	7.43	
	D4							(G)	
	D5								
20	FCL D1	0.0	2.313	23.6	7.6				
	FCL D2	3.0	0.578	23.1	7.6				
	CLA D3	3.2	3.392	22.8	7.6	3.82	78.09	7.63	
	D4							(G)	
	D5								
21	FCL D1	0.0	2.324	24.5	7.7				
	FCL D2	2.7	0.581	23.4	7.5				
	CLA D3	3.2	3.412	22.4	7.5	3.72	71.69	7.45	
	D4							(G)	
	D5								
22	FCL D1	0.0	2.330	23.1	7.6				
	FCL D2	2.9	0.582	23.3	7.5				
	CLA D3	2.9	3.486	24.3	7.6	3.84	76.04	7.69	
	D4							(G)	
	D5								
23	FCL D1	0.0	2.337	23.1	7.7				
	FCL D2	2.8	0.584	23.3	7.5				
	CLA D3	3.2	3.461	23.8	7.6	3.92	73.70	7.84	
	D4							(G)	
	D5								
24	FCL D1	0.0	2.337	23.0	7.7				
	FCL D2	2.7	0.584	23.0	7.5				
	CLA D3	3.0	3.464	22.8	7.6	3.55	69.24	7.11	
	D4							(G)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	2.337	22.6	7.7				
	FCL D2	2.0	0.583	22.5	7.6				
	CLA D3	3.2	3.421	22.6	7.7	3.22	51.18	6.44	
	D4							(G)	
	D5								
26	FCL D1	0.0	2.336	23.2	7.7				
	FCL D2	2.0	0.584	23.2	7.6				
	CLA D3	3.0	3.451	22.9	7.6	3.19	53.17	6.37	
	D4							(G)	
	D5								
27	FCL D1	0.0	2.292	22.3	7.6				
	FCL D2	1.5	0.573	22.0	7.6				
	CLA D3	3.1	3.379	22.5	7.6	2.89	38.86	5.77	
	D4							(G)	
	D5								
28	FCL D1	0.0	2.319	23.6	7.7				
	FCL D2	0.8	0.579	23.0	7.5				
	CLA D3	3.1	3.492	23.4	7.6	2.59	24.13	5.19	
	D4							(G)	
	D5								
29	FCL D1	0.0	2.310	23.7	7.6				
	FCL D2	0.6	0.577	24.2	7.6				
	CLA D3	3.0	3.445	23.1	7.6	2.39	20.42	4.78	
	D4							(G)	
	D5								
30	FCL D1	0.0	2.318	23.6	7.6				
	FCL D2	2.1	0.579	24.7	7.5				
	CLA D3	2.9	3.445	23.4	7.6	3.48	61.70	6.96	
	D4							(G)	
	D5								
31	FCL D1	0.0	2.311	22.5	7.7				
	FCL D2	2.0	0.584	22.5	7.7				
	CLA D3	2.7	3.430	23.2	7.5	2.94	50.52	5.88	
	D4							(G)	
	D5								
						Max	4.14	78.09	
						Min	2.39	20.42	
						Avg	3.28	54.15	
						SD	0.50	15.98	

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade: WS0010736, C

Date: June 9, 2014

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR) FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: May Year: 2014

Type of treatment: ☒ Conventional ☐ Unconventional explain.

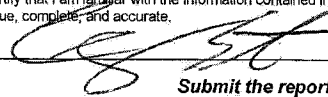
Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	5/1	163	3.89	3.41	12.3	15	0.82			0.82
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
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21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		163.00	3.89	3.41	12.34		0.82			0.82
Max		163.00	3.89	3.41	12.34		0.82			0.82
Min		163.00	3.89	3.41	12.34		0.82			0.82

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	Monthly Compliance Ratio
163	3.89	3.41	12.3	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: 

Certificate No. and Grade: WS0010736, C

Date: June 9, 2014

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: May Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC
#1

ACC #
2

ACC #
3

ACC #
4

ACC #
5

ACC # 6

Treated water SUVA less than or equal to 2.0 L/mg-m?
(either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the instructions worksheet for more info.) Measure monthly.

Treated water SUVA measured: ☒ In Plant ☐ By Finished Water SUVA Jar Test

Current Month SUVA
1.08

ACC
#7

ACC #
8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: _____

Certificate No. and Grade: WS0010736, C

Date: June 9, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
Summary Page

PUBLIC WATER

SYSTEM NAME: River Place MUD

PLANT NAME

OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate

PWS ID No.: 2270252

Operator's Signature: [Signature]

Report for

the Month of: June 2014

Certificate No. & Grade:

WS0010736, C

Date: July 7, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	27	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		

Statistical Summary	Maximum turbidity reading:	0.15 NTU	Average turbidity value:	0.08 NTU
	Minimum turbidity reading:	0.06 NTU	Standard deviation:	0.028 NTU
	CFE 95 th percentile value:	0.15 NTU	IFE 95 th percentile:	0.140 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.97
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	65.06
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine
Number of days with a low residual for no more than 4.0 consecutive hours:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)
Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	33	(at least 30 required)	(8)
Average disinfectant residual value:	2.52	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:

☒ NONE

☐ Filter Profile

☐ Filter Assessment

☐ CPE

Additional report(s) for individual filter monitoring submitted:

☒ NONE

☐ Filter Profile (9)

☐ Filter Assessment (10)

☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Turbidity Data Page

PUBLIC WATER SYSTEM NAME: River Place MUD

PLANT NAME OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Connections: 1,013

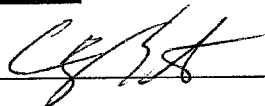
Month: June Year: 2014

Population: 3,039

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	1.499	0.895	5	172	0.5	0.5					0.08	0.08	0.08	0.08	0.08	0.08	3.0	
2	0.856	0.808	5	170	0.7	0.6					0.08	0.08	0.08	0.08	0.08	0.08	3.0	
3	1.284	1.256	4	173	0.6	0.4					0.08	0.08	0.08	0.08	0.08	0.08	2.9	
4	1.144	1.305	5	177	0.6	0.5					0.08	0.08	0.07	0.07	0.07	0.07	2.6	
5	1.693	1.830	5	173	0.9	1.0					0.06	0.06	0.06	0.06	0.06	0.06	3.2	
6	0.638	0.658	5	170	0.3	0.2					0.06	0.06	0.06	0.06	0.06	0.06	2.9	
7	1.021	1.056	5	156	0.4	0.4					0.06	0.06	0.06	0.06	0.06	0.06	3.0	
8	0.885	1.004	5	167	0.5	0.4					0.06	0.06	0.06	0.06	0.06	0.06	3.0	
9	0.630	0.664	4	169	0.3	0.4					0.06	0.06	0.06	0.06	0.06	0.06	3.2	
10	1.281	1.328	5	163	0.4	0.3					0.07	0.08	0.08	0.08	0.08	0.07	2.1	
11	1.254	1.227	7	174	0.4	0.3					0.07	0.07	0.06	0.06	0.06	0.06	2.3	
12	1.223	1.373	9	178	0.3	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.4	
13	0.483	0.500	6	171	0.4	0.4					0.06	0.06	0.06	0.06	0.07	0.08	2.4	
14	0.712	0.704	8	172	0.4	0.6					0.10	0.12	0.14	0.14	0.15	0.15	2.4	
15	0.892	0.937	9	156	0.9	0.4					0.15	0.15	0.14	0.14	0.14	0.15	3.0	
16	0.603	0.551	4	163	0.5	0.4					0.14	0.15	0.15	0.15	0.15	0.15	2.2	
17	1.575	1.552	4	172	0.4	0.3					0.15	0.15	0.15	0.15	0.15	0.14	2.1	
18	1.271	1.262	5	177	0.5	0.4					0.13	0.11	0.11	0.11	0.10	0.10	3.0	
19	1.374	1.521	5	173	0.5	0.5					0.10	0.09	0.09	0.08	0.08	0.08	2.6	
20	0.716	0.746	5	170	0.3	0.3					0.07	0.07	0.07	0.06	0.06	0.06	2.1	
21	0.852	0.891	5	168	0.4	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.2	
22	1.009	0.922	6	173	0.4	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.3	
23	0.570	0.736	5	170	0.8	0.5					0.06	0.06	0.06	0.06	0.07	0.06	2.2	
24	1.244	1.329	10	153	0.7	0.2					0.06	0.06	0.06	0.06	0.06	0.06	2.1	
25	1.102	1.068	6	161	0.3	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.4	
26	1.138	1.230	5	173	0.2	0.3					0.06	0.06	0.06	0.06	0.06	0.06	2.2	
27	0.712	0.736	5	165	0.5	0.4					0.06	0.06	0.06	0.06	0.06	0.07	2.0	
28	0.719	0.744	4	170	0.5	0.5					0.07	0.07	0.08	0.08	0.08	0.08	2.2	
29	0.915	0.945	4	168	0.7	0.5					0.08	0.08	0.08	0.07	0.07	0.07	2.2	
30	0.919	0.887	4	167	0.5	0.5					0.07	0.07	0.06	0.06	0.06	0.06	2.1	
31																		
Total	30.214	30.665	NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.															
Avg	1.007	1.022																
Max	1.693	1.830																
Min	0.483	0.500																

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY:



Certificate No. and Grade:

WS0010736, C

Date: July 7, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

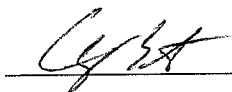
PWS ID No.: 2270252

Month: June Year: 2014

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs		
1	x		0.07		0.06		0.07		0.10											
2	x		0.07		0.06		0.07		0.10											
3	x		0.06		0.05		0.07		0.10											
4	x		0.04		0.03		0.05		0.08											
5	x		0.05		0.03		0.04		0.07											
6	x		0.04		0.03		0.04		0.07											
7	x		0.04		0.03		0.04		0.07											
8	0.18		0.14		0.25		0.04		0.07											
9	0.10		0.05		0.05		0.04		0.07											
10	0.06		0.06		0.05		0.03		0.06											
11	0.06		0.04		0.04		0.04		0.06											
12	0.06		0.07		0.04		0.04		0.07											
13	0.05		0.04		0.04		0.07		0.07											
14	0.06		0.08		0.06		0.04		0.06											
15	0.06		0.12		0.11		0.04		0.14											
16	0.06		0.14		0.11		0.07		0.09											
17	0.06		0.09		0.09		0.06		0.09											
18	0.06		0.09		0.09		0.06		0.09											
19	0.05		0.07		0.06		0.06		0.25											
20	0.05		0.11		0.03		0.05		0.08											
21	0.05		0.04		0.03		0.05		0.08											
22	0.05		0.05		0.03		0.05		0.08											
23	0.05		0.06		0.03		0.04		0.07											
24	0.17		0.14		0.03		0.05		0.07											
25	0.05		0.05		x		0.04		0.07											
26	0.06		0.09		0.06		0.04		0.07											
27	0.06		0.11		0.08		0.04		0.07											
28	0.06		0.20		0.07		0.04		0.07											
29	0.05		0.04		0.04		0.04		0.07											
30	0.05		0.05		0.04		0.03		0.06											
31																				

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant	
		1	2	3	4	5	6	7	8	9	10		
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month												
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0							
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0							
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0							
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0							
	Number of days with event(s) above 2.0 NTU this month											0	
	Number of days with event(s) above 2.0 NTU last month											0	
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N							N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N	N							
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N							
	Is the plant required to submit a Request for Compliance CPE?											N	

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: July 7, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: June Year: 2014

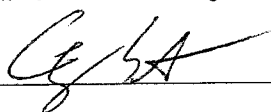
DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Viruses	
Flow Rate (MGD)	2.290	0.916	5.760			0.5		2.0	
T ₁₀ (minutes)	40.4	8.4	111.8						

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	2.338	23.3	7.6				
	FCL D2	2.8	0.584	23.5	7.6				
	CLA D3	2.8	3.464	23.0	7.5	3.50	73.77	7.00	
	D4							(S)	
	D5								
2	FCL D1	0.0	2.297	25.5	7.6				
	FCL D2	2.0	0.574	25.3	7.6				
	CLA D3	2.8	3.448	24.3	7.6	3.51	61.90	7.01	
	D4							(S)	
	D5								
3	FCL D1	0.0	2.290	24.8	7.6				
	FCL D2	2.2	0.572	24.5	7.5				
	CLA D3	2.9	3.431	23.4	7.5	3.54	64.33	7.09	
	D4							(S)	
	D5								
4	FCL D1	0.0	2.278	26.1	7.7				
	FCL D2	2.5	0.569	25.8	7.6				
	CLA D3	3.3	3.414	23.6	7.5	4.13	80.01	8.25	
	D4							(S)	
	D5								
5	FCL D1	0.0	2.264	25.8	7.6				
	FCL D2	2.5	0.566	25.7	7.5				
	CLA D3	3.7	3.329	24.9	7.6	4.81	81.25	9.63	
	D4							(S)	
	D5								
6	FCL D1	0.0	2.251	27.7	7.6				
	FCL D2	2.6	0.562	26.8	7.5				
	CLA D3	3.1	3.373	27.2	7.5	4.60	90.78	9.19	
	D4							(S)	
	D5								
7	FCL D1	0.0	2.250	27.0	7.6				
	FCL D2	2.2	0.562	26.5	7.6				
	CLA D3	3.0	3.379	24.4	7.6	4.01	75.02	8.03	
	D4							(S)	
	D5								
8	FCL D1	0.0	2.250	27.1	7.6				
	FCL D2	0.5	0.562	27.4	7.5				
	CLA D3	2.9	3.427	25.8	7.5	2.71	22.29	5.43	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	2.251	26.4	7.6				
	FCL D2	2.4	0.450	26.6	7.5				
	CLA D3	3.0	3.412	25.3	7.5	4.86	101.29	9.72	
	D4							(S)	
	D5								
10	FCL D1	0.0	2.243	26.9	7.6				
	FCL D2	2.4	0.448	27.2	7.6				
	CLA D3	2.8	3.401	25.8	7.6	4.74	105.65	9.47	
	D4							(S)	
	D5								
11	FCL D1	0.0	2.274	26.1	7.6				
	FCL D2	1.5	0.454	26.0	7.5				
	CLA D3	3.2	3.384	24.0	7.5	3.91	62.29	7.83	
	D4							(S)	
	D5								
12	FCL D1	0.0	2.236	25.3	7.6				
	FCL D2	2.4	0.447	25.0	7.5				
	CLA D3	3.1	3.391	25.0	7.5	4.69	91.90	9.37	
	D4							(S)	
	D5								
13	FCL D1	0.0	2.222	26.3	7.5				
	FCL D2	1.6	0.444	26.5	7.5				
	CLA D3	3.0	3.398	25.4	7.6	4.15	69.80	8.31	
	D4							(S)	
	D5								
14	FCL D1	0.0	2.254	26.2	7.6				
	FCL D2	1.9	0.451	26.3	7.5				
	CLA D3	3.0	3.375	25.2	7.6	4.39	79.61	8.79	
	D4							(S)	
	D5								
15	FCL D1	0.0	2.254	26.0	7.7				
	FCL D2	1.5	0.451	25.5	7.5				
	CLA D3	2.9	3.438	24.8	7.8	3.77	60.41	7.54	
	D4							(S)	
	D5								
16	FCL D1	0.0	2.231	27.1	7.6				
	FCL D2	1.0	0.446	26.9	7.4				
	CLA D3	2.9	3.394	25.5	7.6	3.53	46.48	7.05	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade: WS0010736, C

Date: July 7, 2014

TCEQ - 0102C (07-19-10)

PAGE 4

SWMOR

COA Resp to PUC RFI-1058

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME:

River Place MUD

PLANT NAME
OR NUMBER:

RIVER PLACE WTP

PWS ID No.:

2270252

Month:

June

Year: 2014

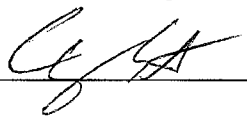
DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Virus	
Flow Rate (MGD)	2.290	0.916	5.760			0.5		2.0	
T ₁₀ (minutes)	40.4	8.4	111.8						

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	2.217	27.2	7.6				
	FCL D2	0.8	0.443	27.6	7.5				
	CLA D3	3.1	3.353	25.5	7.6	3.48	40.55	6.95	
	D4							(G)	
	D5								
18	FCL D1	0.0	2.191	27.2	7.6				
	FCL D2	1.2	0.432	27.3	7.6				
	CLA D3	3.2	3.398	25.9	7.6	3.96	58.45	7.92	
	D4							(G)	
	D5								
19	FCL D1	0.0	2.158	26.8	7.6				
	FCL D2	1.3	0.431	27.1	7.6				
	CLA D3	4.0	3.348	25.8	7.6	4.69	63.74	9.38	
	D4							(G)	
	D5								
20	FCL D1	0.0	2.281	27.4	7.5				
	FCL D2	1.5	0.456	27.1	7.4				
	CLA D3	3.3	3.431	25.9	7.6	4.35	67.39	8.70	
	D4							(G)	
	D5								
21	FCL D1	0.0	2.275	26.5	7.5				
	FCL D2	1.2	0.455	26.4	7.4				
	CLA D3	3.2	3.412	26.7	7.4	3.89	53.11	7.77	
	D4							(G)	
	D5								
22	FCL D1	0.0	2.274	26.2	7.6				
	FCL D2	1.3	0.454	26.1	7.4				
	CLA D3	3.1	3.376	26.5	7.7	3.92	55.86	7.83	
	D4							(G)	
	D5								
23	FCL D1	0.0	2.245	26.9	7.7				
	FCL D2	0.4	0.449	26.7	7.5				
	CLA D3	3.1	3.398	25.0	7.6	2.86	21.61	5.72	
	D4							(G)	
	D5								
24	FCL D1	0.0	2.270	27.1	7.6				
	FCL D2	0.2	0.454	26.3	7.3				
	CLA D3	3.1	3.376	25.7	7.6	2.61	13.55	5.21	
	D4							(G)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	2.232	24.6	7.6				
	FCL D2	1.0	0.446	24.7	7.5				
	CLA D3	3.4	3.409	25.5	7.5	3.65	41.55	7.30	
	D4							(G)	
	D5								
26	FCL D1	0.0	2.257	24.0	7.6				
	FCL D2	2.1	0.451	23.9	7.6				
	CLA D3	3.3	3.395	25.2	7.6	4.35	75.36	8.70	
	D4							(G)	
	D5								
27	FCL D1	0.0	2.251	27.2	7.6				
	FCL D2	1.6	0.450	27.1	7.5				
	CLA D3	2.9	3.431	24.3	7.5	3.99	71.02	7.97	
	D4							(G)	
	D5								
28	FCL D1	0.0	2.261	25.4	7.6				
	FCL D2	1.4	0.452	25.4	7.6				
	CLA D3	2.9	3.332	24.3	7.5	3.58	56.23	7.15	
	D4							(G)	
	D5								
29	FCL D1	0.0	2.254	26.5	7.6				
	FCL D2	1.9	0.450	26.4	7.5				
	CLA D3	3.2	3.388	25.8	7.5	4.55	80.87	9.11	
	D4							(G)	
	D5								
30	FCL D1	0.0	2.251	27.5	7.6				
	FCL D2	2.0	0.450	26.7	7.6				
	CLA D3	3.1	3.386	24.5	7.5	4.43	85.78	8.86	
	D4							(G)	
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
Max						4.86	105.65		
Min						2.61	13.55		
Avg						3.97	65.06		
SD						0.60	21.85		

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.
and Grade:

WS0010736, C

Date: July 7, 2014

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

COA Resp to PUC RFI-1059

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR) FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME:

River Place MUD

PLANT NAME
OR NUMBER:

RIVER PLACE WTP

PWS ID No.:

2270252

Month:

June

Year:

2014

Type of
treatment:

Conventional

Unconventional
explain.

Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

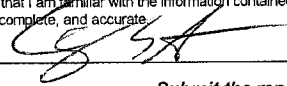
Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	6/3	161	4.09	3.60	12.0	25	0.48			0.48
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		161.00	4.09	3.60	11.98		0.48			0.48
Max		161.00	4.09	3.60	11.98		0.48			0.48
Min		161.00	4.09	3.60	11.98		0.48			0.48

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary: Don't forget to include a copy of your P-7-TOC ACC worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
161	4.09	3.60	12.0	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's
Signature:



Certificate No
and Grade

WS0010736, C

Date: July 7, 2014

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER
SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: June Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC
#1

ACC #
2

ACC #
3

ACC #
4

ACC #
5

ACC #
6

Treated water SUVA less than or equal to 2.0 L/mg-m?
(either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the instructions worksheet for more info.) Measure monthly

Treated water
SUVA measured:

☒
☐

In Plant
By Finished Water SUVA Jar Test

Current Month SUVA
1.18

ACC
#7

ACC #
8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate

Operator's Signature: _____

Certificate No. and Grade: WS0010736, C

Date: July 7, 2014

STEP 2 JAR TEST REPORT

FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER

SYSTEM NAME: River Place MUD

PWS ID No.: 2270252

PLANT NAME

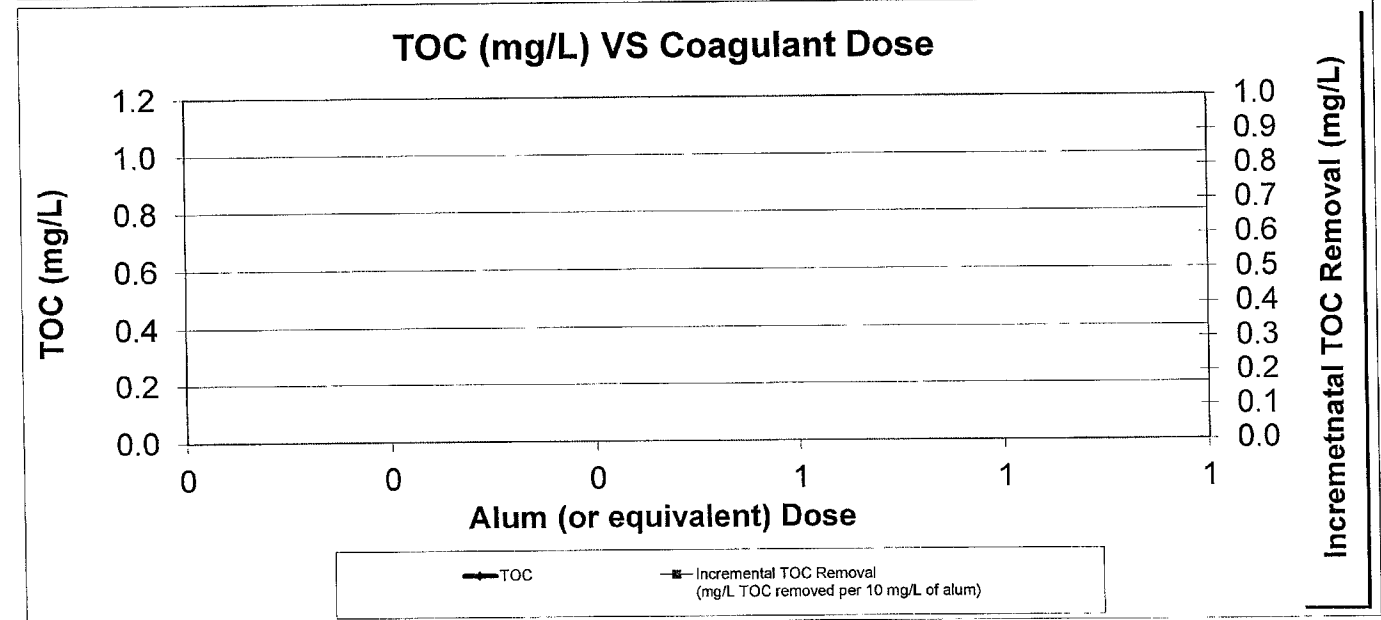
OR NUMBER: RIVER PLACE WTP

DATE OF JAR TEST: _____

PLANT CONDITIONS								
RAW WATER SOURCE(s)	COAGULANT		COAGULANT AID		FLOC AID		pH ADJUSTMENT	
	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)

STEP 2 JAR TEST PARAMETERS									
COAGULANT		BASE		JAR SIZE	JAR TEST CONDITIONS				
Type	Stock Solution Concentration (g/L)	Type	Stock Solution Concentration (g/L)	Volume (liters)	Rapid Mix		Flocculation		Settling
					Speed (rpm)	Duration (minutes)	Speed (rpm)	Duration (minutes)	Duration (minutes)

JAR TEST RESULTS									
Jar No.	COAGULANT		BASE		Alkalinity (mg/L as CaCO ₃)	pH	TOC (mg/L)	Incremental TOC Removal (mg/L TOC removed per 10 mg/L of alum)	Cumulative TOC Removal (%)
	Dose (Alum eq.) (mg/L)	Volume (mL)	Dose (mg/L)	Volume (mL)					
RAW									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Has the TCEQ approved this source as "Not Amenable" to Treatment even though Target pH was not reached? If "yes", provide the date of the TCEQ letter or e-mail.					TOC, % Removal at Apparent PODR:				



I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's
Signature: _____

Certificate No.
and Grade: _____

WS0010736, C

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER

SYSTEM NAME: River Place MUD

PLANT NAME

OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

PWS ID No.: 2270252

Operator's Signature: _____

Report for

the Month of: July 2014

Certificate No. & Grade: WS0010736, C

Date: August 8, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		

Statistical Summary	Maximum turbidity reading:	0.08 NTU	Average turbidity value:	0.06 NTU
	Minimum turbidity reading:	0.06 NTU	Standard deviation:	0.005 NTU
	CFE 95 th percentile value:	0.07 NTU	IFE 95 th percentile:	0.090 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.11
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	39.38
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine
Number of days with a low residual for no more than 4.0 consecutive hours:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)
	Number of days when disinfectant residual leaving the plant was not properly monitored:
	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	35	(at least 31 required)	(8)
Average disinfectant residual value:	2.37	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ☒ NONE ☐ Filter Profile ☐ Filter Assessment ☐ CPE

Additional report(s) for individual filter monitoring submitted: ☒ NONE ☐ Filter Profile (9) ☐ Filter Assessment (10) ☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

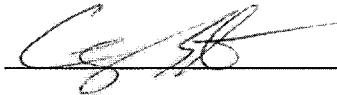
FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Turbidity Data Page

PUBLIC WATER SYSTEM NAME: <u>River Place MUD</u> PWS ID No.: <u>2270252</u> Month: <u>July</u> Year: <u>2014</u>	PLANT NAME OR NUMBER: <u>RIVER PLACE WTP</u> Connections: <u>1,013</u> Population: <u>3,039</u>
--	--

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	1.423	1.469	5	167	0.3	0.3					0.06	0.06	0.06	0.06	0.06	0.06	2.1	
2	1.632	1.507	5	172	0.3	0.3					0.06	0.06	0.07	0.06	0.06	0.06	1.8	
3	1.753	1.623	6	178	0.7	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.3	
4	0.847	0.791	5	173	0.6	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.0	
5	1.010	0.971	8	175	0.8	0.7					0.06	0.06	0.06	0.06	0.06	0.06	2.7	
6	1.258	1.211	4	162	0.5	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.1	
7	0.995	0.954	4	170	0.3	0.3					0.06	0.06	0.06	0.06	0.06	0.06	2.1	
8	2.073	1.911	4	173	0.3	0.3					0.06	0.06	0.06	0.06	0.06	0.06	2.1	
9	2.257	2.173	5	172	0.9	0.7					0.06	0.06	0.06	0.07	0.07	0.07	1.7	
10	1.439	1.344	5	175	0.9	0.4					0.06	0.06	0.06	0.06	0.06	0.06	1.9	
11	0.847	0.836	6	167	0.4	0.5					0.06	0.06	0.06	0.06	0.06	0.06	1.8	
12	1.250	1.141	7	171	0.4	0.3					0.06	0.06	0.06	0.06	0.06	0.06	1.9	
13	1.423	1.385	8	165	0.3	0.9					0.06	0.06	0.06	0.06	0.06	0.06	1.6	
14	0.936	1.030	6	170	1.7	0.4					0.06	0.06	0.06	0.06	0.06	0.06	1.7	
15	1.405	1.244	5	165	0.8	0.5					0.06	0.06	0.06	0.06	0.06	0.06	1.7	
16	1.719	1.646	5	162	0.3	0.3					0.06	0.06	0.06	0.06	0.06	0.06	2.0	
17	0.947	0.890	5	168	0.4	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.1	
18	0.537	0.517	5	173	0.5	0.6					0.06	0.06	0.06	0.06	0.06	0.06	1.5	
19	0.727	0.707	5	166	0.5	0.4					0.06	0.06	0.06	0.06	0.06	0.06	1.9	
20	0.906	0.894	6	164	0.9	1.1					0.06	0.06	0.06	0.06	0.06	0.06	1.7	
21	0.766	0.717	4	16	0.7	0.7					0.06	0.06	0.06	0.06	0.06	0.07	2.0	
22	1.790	1.652	6	167	0.6	0.6					0.06	0.06	0.06	0.06	0.06	0.06	1.6	
23	1.892	1.844	6	173	0.8	0.5					0.06	0.06	0.06	0.06	0.06	0.06	1.5	
24	0.912	0.927	7	165	0.7	0.5					0.06	0.06	0.07	0.07	0.07	0.07	0.8	
25	0.951	0.808	4	171	0.5	0.5					0.07	0.07	0.07	0.07	0.07	0.07	2.0	
26	0.923	0.948	4	163	0.8	0.7					0.07	0.07	0.07	0.07	0.07	0.07	2.1	
27	1.036	0.936	5	174	0.7	0.7					0.07	0.07	0.07	0.07	0.07	0.07	2.0	
28	0.878	0.870	6	181	1.4	1.0					0.07	0.07	0.07	0.07	0.08	0.08	1.9	
29	1.752	1.657	5	177	0.4	0.4					0.08	0.08	0.08	0.08	0.07	0.07	1.9	
30	2.027	1.891	6	165	0.4	0.4					0.07	0.07	0.07	0.07	0.06	0.06	1.9	
31	1.442	1.363	8	179	0.2	0.2					0.06	0.06	0.06	0.06	0.06	0.06	1.9	
Total	39.753	37.857																
Avg	1.282	1.221																
Max	2.257	2.173																
Min	0.537	0.517																

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY:



Certificate No. and Grade:

WS0010736, C

Date: August 8, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: July Year: 2014

PERFORMANCE DATA																				
Date	INDIVIDUAL FILTER TURBIDITY																			
	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.05		0.08		0.04		0.03		0.06											
2	0.05		0.05		0.04		0.04		0.07											
3	0.06		0.06		0.05		0.04		0.07											
4	0.05		0.18		0.04		0.03		0.07											
5	0.05		0.07		0.03		0.04		0.06											
6	0.05		0.05		0.03		0.03		0.06											
7	0.05		0.06		0.04		0.03		0.06											
8	0.05		0.08		0.03		0.11		0.09											
9	0.05		0.05		0.04		0.05		0.08											
10	0.05		0.05		0.03		0.04		0.07											
11	0.05		0.09		0.03		0.03		0.06											
12	0.05		0.06		0.03		0.04		0.06											
13	0.05		0.06		0.06		0.03		0.06											
14	0.05		0.05		0.04		0.04		0.06											
15	0.05		0.05		0.04		0.03		0.06											
16	0.05		0.05		0.04		0.04		0.09											
17	0.05		0.19		0.04		0.04		0.06											
18	0.05		0.05		0.03		0.03		0.06											
19	0.05		0.06		0.03		0.03		0.06											
20	0.05		0.06		0.04		0.03		0.06											
21	0.05		0.06		0.04		0.03		0.06											
22	0.05		0.07		0.03		0.18		0.08											
23	0.05		0.05		0.03		0.05		0.08											
24	0.05		0.05		0.03		0.04		0.07											
25	0.07		0.09		0.12		0.04		0.07											
26	0.05		0.07		0.05		0.04		0.07											
27	0.06		0.08		0.05		0.03		0.06											
28	0.08		0.10		0.05		0.03		0.06											
29	0.07		0.07		0.04		0.06		0.06											
30	0.07		0.05		0.04		0.03		0.06											
31	0.08		0.04		0.04		0.03		0.06											

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant
		1	2	3	4	5	6	7	8	9	10	
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month											
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0						
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0						
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0						
	Number of days with event(s) above 2.0 NTU this month											0
	Number of days with event(s) above 2.0 NTU last month											0
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N						N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N	N						
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N						
	Is the plant required to submit a Request for Compliance CPE?											

SUBMITTED BY:

Certificate No.
and Grade: WS0010736, C

Date: August 8, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Disinfection Data Page

PUBLIC WATER

SYSTEM NAME: River Place MUD

PLANT NAME

OR NUMBER:

RIVER PLACE WTP

PWS ID No.: 2270252

Month:

July

Year:

2014

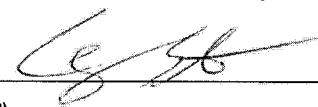
DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	2.238	27.2	7.5				
	FCL D2	1.8	0.447	26.9	7.5				
	CLA D3	3.1	3.391	27.3	7.5	4.47	80.37	8.94	
	D4							(S)	
	D5								
2	FCL D1	0.0	2.267	27.9	7.6				
	FCL D2	1.5	0.453	28.3	7.6				
	CLA D3	3.3	3.316	25.6	7.5	4.46	73.22	8.93	
	D4							(S)	
	D5								
3	FCL D1	0.0	2.330	27.4	7.6				
	FCL D2	1.5	0.466	27.7	7.6				
	CLA D3	3.1	3.345	26.8	7.5	4.16	68.77	8.32	
	D4							(S)	
	D5								
4	FCL D1	0.0	2.405	27.4	7.6				
	FCL D2	0.8	0.481	27.0	7.6				
	CLA D3	2.9	3.409	25.3	7.4	3.12	35.97	6.24	
	D4							(S)	
	D5								
5	FCL D1	0.0	2.368	26.5	7.6				
	FCL D2	2.1	0.473	26.3	7.6				
	CLA D3	2.8	3.312	26.7	7.5	4.27	83.90	8.54	
	D4							(S)	
	D5								
6	FCL D1	0.0	2.355	26.7	7.5				
	FCL D2	2.0	0.471	26.5	7.6				
	CLA D3	3.0	3.372	26.5	7.5	4.34	81.76	8.67	
	D4							(S)	
	D5								
7	FCL D1	0.0	2.239	27.8	7.5				
	FCL D2	1.7	0.465	28.0	7.6				
	CLA D3	3.1	3.386	24.8	7.6	4.33	77.86	8.67	
	D4							(S)	
	D5								
8	FCL D1	0.0	2.351	26.4	7.5				
	FCL D2	1.6	0.470	27.0	7.5				
	CLA D3	3.0	3.402	23.9	7.5	3.91	67.84	7.82	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	3.365	25.9	7.5				
	FCL D2	1.2	0.673	26.0	7.5				
	CLA D3	3.3	3.381	25.6	7.4	3.43	36.87	6.85	
	D4							(S)	
	D5								
10	FCL D1	0.0	3.404	24.9	7.6				
	FCL D2	0.8	0.680	24.5	7.6				
	CLA D3	2.2	3.329	24.6	7.6	2.92	23.91	5.84	
	D4							(S)	
	D5								
11	FCL D1	0.0	3.410	26.4	7.6				
	FCL D2	0.9	0.682	26.9	7.6				
	CLA D3	2.8	3.398	25.0	7.5	2.84	29.18	5.68	
	D4							(S)	
	D5								
12	FCL D1	0.0	3.409	26.7	7.5				
	FCL D2	0.5	0.681	26.8	7.5				
	CLA D3	2.7	3.434	24.5	7.5	2.36	17.95	4.71	
	D4							(S)	
	D5								
13	FCL D1	0.0	3.396	25.7	7.5				
	FCL D2	1.4	0.679	25.3	7.6				
	CLA D3	2.9	3.386	23.4	7.5	2.89	38.49	5.77	
	D4							(S)	
	D5								
14	FCL D1	0.0	3.299	27.0	7.5				
	FCL D2	1.0	0.659	27.4	7.6				
	CLA D3	2.9	3.394	27.7	7.5	3.05	35.03	6.10	
	D4							(S)	
	D5								
15	FCL D1	0.0	3.293	25.5	7.6				
	FCL D2	1.3	0.658	25.6	7.5				
	CLA D3	3.0	3.411	24.9	7.5	3.23	38.40	6.45	
	D4							(S)	
	D5								
16	FCL D1	0.0	3.261	26.4	7.6				
	FCL D2	1.0	0.652	25.6	7.5				
	CLA D3	3.1	3.424	23.8	7.4	2.89	30.74	5.77	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.

and Grade:

WS0010736, C

Date: August 8, 2014

TCEQ - 0102C (07-19-10)

PAGE 4

SWMOR

COA Resp to PUC RFI-1066

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER
SYSTEM NAME:

River Place MUD

PLANT NAME
OR NUMBER:

RIVER PLACE WTP

PWS ID No.:

2270252

Month:

July

Year:

2014

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

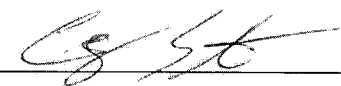
PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	3.361	25.7	7.6				
	FCL D2	1.1	0.672	25.4	7.5				
	CLA D3	2.9	3.384	22.3	7.6	2.60	31.36	5.19	
	D4							(S)	
	D5								
18	FCL D1	0.0	3.424	23.0	7.6				
	FCL D2	0.9	0.684	23.1	7.6				
	CLA D3	2.9	3.402	23.1	7.5	2.42	23.05	4.84	
	D4							(S)	
	D5								
19	FCL D1	0.0	3.437	25.8	7.6				
	FCL D2	0.5	0.687	25.0	7.5				
	CLA D3	2.6	3.409	23.3	7.5	2.07	15.79	4.14	
	D4							(S)	
	D5								
20	FCL D1	0.0	3.468	24.9	7.6				
	FCL D2	1.0	0.693	24.3	7.5				
	CLA D3	2.6	3.450	22.8	7.5	2.30	26.01	4.59	
	D4							(S)	
	D5								
21	FCL D1	0.0	3.343	26.3	7.7				
	FCL D2	0.5	0.686	24.9	7.6				
	CLA D3	2.7	3.415	25.7	7.5	2.38	16.64	4.76	
	D4							(S)	
	D5								
22	FCL D1	0.0	3.473	27.8	7.4				
	FCL D2	0.8	0.694	27.9	7.4				
	CLA D3	2.7	3.362	24.7	7.5	2.75	27.41	5.49	
	D4							(S)	
	D5								
23	FCL D1	0.0	3.435	25.0	7.6				
	FCL D2	1.2	0.687	24.4	7.5				
	CLA D3	2.7	3.348	23.4	7.4	2.62	31.30	5.25	
	D4							(S)	
	D5								
24	FCL D1	0.0	3.470	25.9	7.5				
	FCL D2	1.1	0.692	25.8	7.5				
	CLA D3	3.1	3.378	24.9	7.5	3.15	32.52	6.31	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.0	3.446	28.5	7.6				
	FCL D2	0.6	0.689	28.6	7.5				
	CLA D3	2.7	3.396	27.5	7.5	2.61	23.67	5.21	
	D4							(S)	
	D5								
26	FCL D1	0.0	3.469	27.0	7.6				
	FCL D2	0.7	0.693	27.1	7.5				
	CLA D3	2.7	3.371	24.6	7.5	2.58	23.51	5.15	
	D4							(S)	
	D5								
27	FCL D1	0.0	3.468	26.7	7.6				
	FCL D2	1.4	0.693	26.1	7.5				
	CLA D3	2.8	3.327	25.7	7.6	3.20	40.40	6.40	
	D4							(S)	
	D5								
28	FCL D1	0.0	3.371	27.4	7.5				
	FCL D2	1.0	0.682	27.1	7.5				
	CLA D3	2.6	3.371	24.9	7.6	2.80	31.90	5.61	
	D4							(S)	
	D5								
29	FCL D1	0.0	3.456	29.2	7.5				
	FCL D2	0.6	0.691	28.7	7.4				
	CLA D3	2.7	3.396	31.6	7.5	2.64	25.61	5.27	
	D4							(S)	
	D5								
30	FCL D1	0.0	3.474	27.5	7.6				
	FCL D2	0.9	0.694	26.8	7.4				
	CLA D3	3.0	3.365	27.5	7.4	3.05	30.02	6.09	
	D4							(S)	
	D5								
31	FCL D1	0.0	3.444	29.1	7.6				
	FCL D2	0.5	0.688	29.3	7.5				
	CLA D3	2.9	3.349	26.2	7.4	2.72	21.41	5.45	
	D4							(S)	
	D5								

Max	4.47	83.90
Min	2.07	15.79
Avg	3.11	39.38
SD	0.70	21.00

NOTE: = ONLY use the "Time" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY:



Certificate No.

and Grade:

WS0010736, C

Date:

August 8, 2014

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

COA Resp to PUC RFI-1067

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR)

FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME OR NUMBER: RIVER PLACE WTP
Month: July Year: 2014

Type of treatment: ☒ Conventional ☐ Unconventional explain: _____

Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results			calculated	calculated from matrix	calculated			calculated
1	7/1	160	4.16	3.68	11.5	25	0.46			0.46
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
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20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		160.00	4.16	3.68	11.54		0.46			0.46
Max		160.00	4.16	3.68	11.54		0.46			0.46
Min		160.00	4.16	3.68	11.54		0.46			0.46

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary: Don't forget to include a copy of your P.7-TOC ACC worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
160	4.16	3.68	11.5	6 Mo. Avg	1.00

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: _____

Certificate No. and Grade: WS0010736, C

Date: August 8, 2014

Submit the report by the 10th of the month following the reporting period to:
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: River Place MUD
PWS ID No.: 2270252

PLANT NAME OR NUMBER: RIVER PLACE WTP
Month: July Year: 2014

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 ☐ #2 ☐ #3 ☐ #4 ☐ #5 ☐ #6 ☒ #7 ☐ #8 ☐

ACC #1

ACC #2

ACC #3

ACC #4

ACC #5

ACC #6

Treated water SUVA less than or equal to 2.0 L/mg-m?
(either based on most recent month's data OR calculated quarterly as a running annual average)
(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the Instructions worksheet for more info.) Measure monthly)

Treated water SUVA measured:

☒ In Plant
☐ By Finished Water SUVA Jar Test

Current Month SUVA
0.70

ACC #7

ACC #8

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate

Operator's Signature: _____

Certificate No. and Grade: WS0010736, C

Date: August 8, 2014

SURFACE WATER MONTHLY OPERATING REPORT
 FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
 OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
Summary Page

PUBLIC WATER
 SYSTEM NAME: River Place MUD

PLANT NAME
 OR NUMBER: RIVER PLACE WTP

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

PWS ID No.: 2270252

Operator's Signature: _____

Report for
 the Month of: August 2014

Certificate No. & Grade: WS0010736, C

Date: September 9, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>186</u>	Number of 4-hour periods when plant was off-line:	<u>0</u>
Number of readings above 0.10 NTU:	<u>0</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	<u>0</u>
Number of readings above 0.3 NTU:	<u>0</u>	Number of days when plant was on-line but individual filter turbidity data was not collected:	<u>0</u>
Number of readings above 0.5 NTU:	<u>0</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Number of readings above 1.0 NTU:	<u>0</u>	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Maximum allowable turbidity level:	<u>0.3</u>		
Percentage of readings above this limit:	<u>0.0</u> % (1)		

**Statistical
 Summary**

Maximum turbidity reading:	<u>0.08</u> NTU	Average turbidity value:	<u>0.06</u> NTU
Minimum turbidity reading:	<u>0.05</u> NTU	Standard deviation:	<u>0.009</u> NTU
CFE 95 th percentile value:	<u>0.08</u> NTU	IFE 95 th percentile:	<u>0.100</u> NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	<u>0</u>	Average log inactivation for Giardia:	<u>2.86</u>
Number of days with a low CT for more than 4.0 consecutive hours:	<u>0</u> (4)	Average log inactivation for viruses:	<u>27.66</u>
		Number of days when profiling data was not collected:	<u>0</u>
		Number of days when CT data was not collected:	<u>0</u>

Minimum disinfectant residual required leaving the plant: 0.5 mg/L, measured as Total Chlorine

Number of days with a low residual for no more than 4.0 consecutive hours:	<u>0</u>	Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>
Number of days with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)		

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	<u>0.5</u> mg/L, measured as Total Chlorine
Total number of readings this month:	<u>34</u> (at least 31 required) (8)
Average disinfectant residual value:	<u>2.29</u>
Number of readings with a low residual:	<u>0</u>
Number of readings with no detectable residual:	<u>0</u>
Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	☒ NONE	☐ Filter Profile	☐ Filter Assessment	☐ CPE
Additional report(s) for individual filter monitoring submitted:	☒ NONE	☐ Filter Profile (9)	☐ Filter Assessment (10)	☐ CPE (11)

No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Turbidity Data Page

PUBLIC WATER SYSTEM NAME: <u>River Place MUD</u>	PLANT NAME OR NUMBER: <u>RIVER PLACE WTP</u>
PWS ID No.: <u>2270252</u>	Connections: <u>1,013</u>
Month: <u>August</u> Year: <u>2014</u>	Population: <u>3,039</u>

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY						Lowest Residual	Time
			NTU	Alk.	Basin No.						Turbidity							
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	0.934	0.886	7	170	0.3	0.4					0.06	0.06	0.06	0.06	0.06	0.06	1.8	
2	0.850	0.810	5	173	0.5	0.6					0.06	0.06	0.06	0.06	0.06	0.06	1.9	
3	1.236	1.178	5	176	0.6	0.6					0.06	0.06	0.06	0.06	0.06	0.06	1.9	
4	0.842	0.795	4	167	0.4	0.5					0.06	0.06	0.06	0.06	0.06	0.06	2.0	
5	2.087	1.892	4	171	0.4	0.4					0.06	0.06	0.06	0.06	0.06	0.06	2.3	
6	2.126	2.046	6	170	0.7	0.5					0.06	0.06	0.07	0.07	0.06	0.06	2.1	
7	1.489	1.466	6	170	0.4	0.3					0.06	0.06	0.07	0.07	0.07	0.07	2.0	
8	0.977	0.926	5	165	0.4	0.4					0.07	0.07	0.07	0.07	0.07	0.07	2.9	
9	1.073	1.021	5	174	0.3	0.4					0.07	0.07	0.07	0.07	0.07	0.07	2.4	
10	1.233	1.169	6	171	0.6	0.9					0.06	0.07	0.06	0.06	0.06	0.06	2.2	
11	0.841	0.752	7	169	0.5	0.6					0.07	0.06	0.06	0.06	0.06	0.06	2.2	
12	1.658	1.626	5	173	0.4	0.4					0.06	0.06	0.06	0.07	0.07	0.07	2.0	
13	2.245	2.095	5	176	0.3	0.3					0.07	0.07	0.07	0.07	0.07	0.07	1.8	
14	1.348	1.259	10	175	0.5	0.8					0.07	0.07	0.07	0.07	0.07	0.07	2.0	
15	0.922	0.839	5	165	0.3	0.4					0.07	0.07	0.07	0.07	0.07	0.07	2.0	
16	1.146	1.176	5	166	0.7	0.6					0.07	0.07	0.07	0.07	0.07	0.07	1.9	
17	1.228	1.159	6	168	0.5	0.5					0.07	0.07	0.07	0.07	0.07	0.08	2.0	
18	0.801	0.862	4	169	0.7	0.9					0.08	0.08	0.08	0.08	0.08	0.08	2.0	
19	2.029	1.848	5	171	0.5	0.5					0.08	0.08	0.08	0.08	0.08	0.06	2.0	
20	2.440	2.293	6	178	0.5	0.7					0.06	0.06	0.06	0.05	0.05	0.05	1.3	
21	1.371	1.315	5	174	0.4	0.4					0.05	0.05	0.05	0.05	0.05	0.05	2.0	
22	0.999	1.300	5	179	0.4	0.3					0.05	0.05	0.05	0.05	0.05	0.05	2.6	
23	1.229	0.852	6	164	0.5	0.5					0.05	0.05	0.05	0.05	0.05	0.05	1.9	
24	1.231	1.165	7	165	0.5	0.8					0.05	0.05	0.05	0.05	0.05	0.05	1.9	
25	0.886	0.920	7	162	0.8	0.3					0.05	0.05	0.05	0.05	0.05	0.05	2.1	
26	1.712	1.560	11	163	0.8	0.2					0.05	0.05	0.05	0.05	0.05	0.05	1.9	
27	2.219	2.107	7	172	0.7	0.6					0.05	0.05	0.05	0.05	0.05	0.05	2.0	
28	1.383	1.333	5	174	0.6	0.7					0.05	0.05	0.05	0.05	0.05	0.05	2.0	
29	0.913	0.817	5	165	0.5	0.4					0.05	0.05	0.06	0.05	0.05	0.05	1.9	
30	0.881	0.902	6	175	0.6	0.4					0.05	0.05	0.05	0.05	0.05	0.05	2.0	
31	1.098	1.026	8	171	0.6	0.8					0.05	0.05	0.06	0.06	0.06	0.06	2.1	
Total	41.427	39.395																
Avg	1.336	1.271																
Max	2.440	2.293																
Min	0.801	0.752																
NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.																		

NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.

SUBMITTED BY:  Certificate No. and Grade: WS0010736, C Date: September 9, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: August Year: 2014

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs		
1	0.07		0.04		0.03		0.03		0.06											
2	0.08		0.05		0.03		0.03		0.06											
3	0.08		0.05		0.03		0.03		0.06											
4	0.08		0.05		0.03		0.03		0.06											
5	0.07		0.09		0.06		0.04		0.06											
6	0.08		0.07		0.05		0.03		0.06											
7	0.07		0.13		0.04		0.03		0.06											
8	0.07		0.06		0.04		0.03		0.06											
9	0.07		0.05		0.03		0.03		0.06											
10	0.07		0.10		0.03		0.03		0.06											
11	0.07		0.05		0.03		0.07		0.10											
12	0.05		0.05		0.03		0.06		0.09											
13	0.05		0.07		0.03		0.06		0.08											
14	0.05		0.06		0.03		0.04		0.07											
15	0.07		0.10		0.06		0.04		0.07											
16	0.08		0.06		0.05		0.04		0.07											
17	0.06		0.08		0.05		0.04		0.07											
18	0.06		0.10		0.05		0.04		0.07											
19	0.06		0.06		0.05		0.04		0.06											
20	0.08		0.01		0.05		0.04		0.07											
21	0.06		0.11		0.05		0.04		0.07											
22	0.05		0.15		0.05		0.04		0.07											
23	0.06		0.08		0.05		0.04		0.07											
24	0.06		0.07		0.04		0.04		0.07											
25	0.06		0.06		0.09		0.05		0.07											
26	0.06		0.06		0.04		0.03		0.07											
27	0.06		0.07		0.04		0.04		0.07											
28	0.07		0.14		0.04		0.04		0.07											
29	0.06		0.06		0.04		0.03		0.07											
30	0.07		0.07		0.04		0.18		0.09											
31	0.07		0.08		0.04		0.06		0.09											

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant	
		1	2	3	4	5	6	7	8	9	10		
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month												
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0							
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0							
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0							
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0	0							
	Number of days with event(s) above 2.0 NTU this month											0	
	Number of days with event(s) above 2.0 NTU last month											0	
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N	N							N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N	N							
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N	N							
	Is the plant required to submit a Request for Compliance CPE?											N	

SUBMITTED BY:

Certificate No.
and Grade:

WS0010736, C

Date:

September 9, 2014

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Disinfection Data Page

PUBLIC WATER
SYSTEM NAME: River Place MUD

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

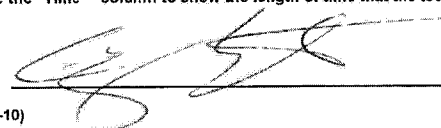
Month: August Year: 2014

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	3.488	29.9	7.6				
	FCL D2	1.0	0.697	29.6	7.5				
	CLA D3	2.8	3.342	27.1	7.5	3.13	37.59	6.27	
	D4							(S)	
	D5								
2	FCL D1	0.0	3.500	25.1	7.6				
	FCL D2	1.0	0.700	24.6	7.5				
	CLA D3	2.7	3.396	24.4	7.5	2.62	26.95	5.24	
	D4							(S)	
	D5								
3	FCL D1	0.0	3.533	27.3	7.5				
	FCL D2	0.7	0.706	26.8	7.5				
	CLA D3	2.8	3.371	24.7	7.5	2.64	22.97	5.29	
	D4							(S)	
	D5								
4	FCL D1	0.0	3.528	27.7	7.6				
	FCL D2	0.4	0.705	27.1	7.5				
	CLA D3	2.8	3.412	27.8	7.5	2.44	16.55	4.87	
	D4							(S)	
	D5								
5	FCL D1	0.0	3.600	29.0	7.5				
	FCL D2	1.0	0.720	29.2	7.5				
	CLA D3	2.7	3.365	29.6	7.5	2.98	36.54	5.97	
	D4							(S)	
	D5								
6	FCL D1	0.0	3.573	28.2	7.6				
	FCL D2	1.4	0.714	27.4	7.5				
	CLA D3	3.1	3.385	26.2	7.4	3.47	43.28	6.93	
	D4							(S)	
	D5								
7	FCL D1	0.0	3.586	28.5	7.5				
	FCL D2	1.1	0.717	27.2	7.5				
	CLA D3	3.0	3.375	29.3	7.4	3.15	35.96	6.31	
	D4							(S)	
	D5								
8	FCL D1	0.0	3.533	28.2	7.6				
	FCL D2	1.0	0.706	27.4	7.5				
	CLA D3	2.7	3.402	27.1	7.5	2.87	32.44	5.73	
	D4							(S)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	0.0	3.539	28.3	7.5				
	FCL D2	0.8	0.707	27.4	7.5				
	CLA D3	2.9	3.386	27.0	7.5	2.87	27.42	5.74	
	D4							(S)	
	D5								
10	FCL D1	0.0	3.439	28.4	7.5				
	FCL D2	1.1	0.687	27.4	7.5				
	CLA D3	2.9	3.342	27.0	7.5	3.15	36.42	6.31	
	D4							(S)	
	D5								
11	FCL D1	0.0	3.524	28.8	7.6				
	FCL D2	1.1	0.704	27.7	7.5				
	CLA D3	2.9	3.389	27.6	7.5	3.12	36.48	6.24	
	D4							(S)	
	D5								
12	FCL D1	0.0	3.365	28.1	7.5				
	FCL D2	0.4	0.673	27.6	7.5				
	CLA D3	2.7	3.399	25.8	7.5	2.40	16.50	4.80	
	D4							(S)	
	D5								
13	FCL D1	0.0	3.428	27.8	7.5				
	FCL D2	0.6	0.685	26.9	7.5				
	CLA D3	2.8	3.323	25.8	7.4	2.67	21.43	5.34	
	D4							(S)	
	D5								
14	FCL D1	0.0	3.555	27.5	7.5				
	FCL D2	0.6	0.711	26.4	7.4				
	CLA D3	2.9	3.371	25.1	7.5	2.69	20.17	5.39	
	D4							(S)	
	D5								
15	FCL D1	0.0	3.573	27.4	7.6				
	FCL D2	0.5	0.714	26.9	7.5				
	CLA D3	2.9	3.348	25.6	7.5	2.63	18.28	5.25	
	D4							(S)	
	D5								
16	FCL D1	0.0	3.482	26.6	7.6				
	FCL D2	0.8	0.696	26.6	7.5				
	CLA D3	2.9	3.362	24.5	7.5	2.76	25.68	5.52	
	D4							(S)	
	D5								

NOTE: = ONLY use the "Time" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY: 

Certificate No.
and Grade: WS0010736, C

Date: September 9, 2014

TCEQ - 0102C (07-19-10)

PAGE 4

SWMOR

COA Resp to PUC RFI-1073