

Control Number: 44010



Item Number: 77

Addendum StartPage: 0

PETITION OF RATEPAYERS OF	§	BEFORE THE STATE OFFICE
THE FORMER RIVER PLACE	§	
WATER AND WASTEWATER	§	
SYSTEMS APPEALING	§	OF
THE RETAIL WATER AND	§	
WASTEWATER RATES OF THE	§	
CITY OF AUSTIN	§	ADMINISTRATIVE HEARINGS

**CITY OF AUSTIN'S THIRD SUPPLEMENTAL COMMENTS, CONCERNS AND RESPONSES
TO PUBLIC UTILITY COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION TO
THE CITY OF AUSTIN**

TO: Commission Staff, by and through their counsel of record, Jessica A. Gray and Thomas L. Tynes, Public Utility Commission of Texas, 1701 N. Congress Avenue, PO Box 13326, Austin, Texas 78711.

COMES NOW, the City of Austin, (herein sometimes referred to as "City," "Austin" or "Respondent"), in the above styled and docketed retail water rate appeal proceeding and serves this, its General and Specific Third Supplemental Comments, Concerns and Responses to Commission Staff's First Request for Information to the City of Austin, on all parties to this Proceeding.

I. GENERAL COMMENTS AND CONCERNS REGARDING INSTRUCTIONS

Some of the information requested is outside of Austin's ownership and control, and, therefore, Austin cannot provide that information under oath. In every case where Austin is not the owner or producer of the documents or records requested, Austin so notes. While Austin attempts to provide responses the twin limitations of "information available to the City of Austin at the time the City made the rate increase decision," as well as requesting information related to a yet to be defined "test year" makes it impossible to provide a complete response at this time. Austin provides all information and material below subject to the limitations set forth in each Request.

II. GENERAL COMMENTS AND CONCERNS REGARDING DEFINITIONS

Definition of "City of Austin," "the City," or "you."

Commission Staff's definition of "you," "your," and "City" are improper, overbroad, and on their face unreasonable. Austin cannot be held responsible for "any person purporting to act" on behalf

of the City of Austin, because that may be done without Austin's express knowledge or consent. The materials and information produced below is produced by authorized representatives of the City of Austin, acting on behalf of the City of Austin. Other information is not within Austin's knowledge, ownership or control.

Definition of "Document."

Commission Staff's definition of this term is overly broad, harrassive, and at odds with the information requested in the specific Requests for Information, and the limitations set forth in the instructions. Accordingly, Austin provides the materials and information below based on the specific Requests for Information, and not a universe of documents outside of Austin's ownership or control which are unknown are not relied upon by Austin in connection with the issues of this case which may or may not be in the possession of persons "acting or purporting to act" on behalf of Austin.

Additionally, in the absence of definitions provided by Commission Staff, Austin has had to both develop its own definitions and provide a proper response. As stated to PUC Staff Counsel, in the future, it is hoped that PUC Staff will meet and confer with Austin to ensure complete understanding of what is being requested and what is expected as a response. Accordingly, in the answers below, Austin includes its own definition of undefined terms, and explains the limitations of its response.

**III. SPECIFIC RESPONSES TO REQUESTS FOR INFORMATION SUBJECT TO
GENERAL AND SPECIFIC COMMENTS, CONCERNS,
RIGHT TO AMEND OR SUPPLEMENT**

Each of these responses is submitted pursuant to applicable law and rules, and each response provided is expressly subject to the general and specific comments, concerns and right to amend or supplement set forth herein. By providing documents in response to a request, Austin does so subject to the specific information requested by Commission Staff, and subject to Austin's general and specific comments and concerns. Additionally, Austin reserves the right to amend or supplement this response in accordance with applicable rules.

IV. REVISED RESPONSES TO REQUESTS FOR INFORMATION

Staff 1-17 Please provide monthly operations reports for the 12-month test period.

Response: Austin is unable to identify a "12-month test period" until such time as the PUC Staff identifies the regulations and policies the PUC Staff will use in evaluating this water and wastewater rate appeal by River Place Petitioners terms and the matters

at issue in this retail rate appeal. Additionally, Austin assumes that Commission Staff is referring to a document entitled "Monthly Operating Reports" submitted by River Place MUD to the TCEQ.

In full consideration of Austin's comments and concerns:

Austin provides the attached documents, "Surface Water Monthly Operating Reports," provided by River Place MUD to the Texas Commission on Environmental Quality for a period beginning January 2013 and ending in January 2015. Austin cannot provide the reports for January 2013 through September 2014 under oath because Austin did not prepare these documents and has no knowledge of the truth of the matters asserted within the documents. However, as to the reports from October 2014 through January 2015, please see the attached affidavit of Judy Musgrove.

Provided by: David A. Anders and Judy Musgrove.

Respectfully submitted,

ANNE L. MORGAN,
Interim City Attorney

MARIA SANCHEZ
Assistant City Attorney

WEBB & WEBB
712 Southwest Tower
211 East Seventh Street
Austin, Texas 78767
Tel: (512) 472-9990
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By: 
Gwendolyn Hill Webb
State Bar No. 21026300

Stephen P. Webb
State Bar No. 21033800
ATTORNEYS FOR CITY OF AUSTIN

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing document has been served via hand delivery, facsimile, electronic mail, overnight mail, US mail and/or Certified Mail Return Receipt Requested on all parties whose names appear on the mailing list below on this 17 day of July, 2015.

FOR THE PUBLIC UTILITY COMMISSION:

1701 N. Congress Avenue, 7th Floor
PO Box 13326
Austin, Texas 78711-3326
Via Electronic Upload

FOR THE ADMINISTRATIVE LAW JUDGES:

Honorable Lilo D. Pomerleau
Honorable William B. Newchurch
Administrative Law Judges
State Office of Administrative Hearings
300 W. 15th Street, Suite 504
Austin, Texas 78701
Phone: 512-475-4993
Fax: 512-322-2061
Via Electronic Upload

FOR THE SOAH DOCKET CLERK:

Ms. Monica Luna, Docketing Clerk
State Office of Administrative Hearings
300 W. 15th Street, Suite 504
Austin, Texas 78701
Phone: 512-475-4993
Fax: 512-322-2061
Via Electronic Upload

FOR PETITIONERS:

Mr. Randall B. Wilburn, Attorney at Law
3000 South IH 35, Suite 150
Austin, Texas 78704
Phone: 512-535-1661
Fax: 512-535-1678
rbw@randallwilburnlaw.com

FOR THE PUC STAFF:

Ms. Jessica Gray, Attorney – Legal Division
jessica.gray@puc.texas.gov
512-936-7228
Mr. Thomas L. Tynes, Attorney- Legal Division
Thomas.tynes@puc.texas.gov
512-936-7297
Public Utility Commission of Texas
1701 N. Congress Avenue
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Austin, Texas 78711-3326
Phone: 512-936-7228
Fax: 512-936-7268


GWENDOLYN HILL WEBB

**SOAH DOCKET NO. 473-15-2123.WS
PUC DOCKET NO. 44010**

PETITION OF RATEPAYERS OF THE FORMER RIVER PLACE WATER AND WASTEWATER SYSTEMS APPEALING THE RETAIL WATER AND WASTEWATER RATES OF THE CITY OF AUSTIN	§ § § § § § §	BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS
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AFFIDAVIT OF JUDY MUSGROVE, P. E.

On this day, Judy Musgrove appeared before me, the undersigned notary public, and after I administered an oath to her, upon her oath, she said:

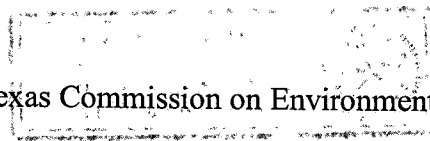
1. My name is Judy Musgrove. I am more than 21 years of age, and capable of making this Affidavit. The matters contained herein are true and correct and are within my personal knowledge.

2. I am of sound mind and I am fully competent to make this Affidavit.

3. I am the Division Manager, Process Engineering, of the City of Austin, Austin Water Utility. I am a Registered Professional Engineer, Texas License No. 70545.

4. The Responses to the Public Utility Commission Staff's First Request for Information to the City of Austin, Item Staff 1-17 listed below were submitted to the TCEQ as Austin Water Utility's official Monthly Operating Report for the River Place Water Treatment Plant under my direct supervision. The Responses listed below are presented under oath, as true and correct and within my personal knowledge:

Surface Water Monthly Operating Report(s) to the Texas Commission on Environmental Quality as follows:

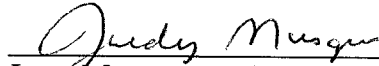


(a) October 2014 (Bates Stamped COA Resp to PUC RFI-1098 through 11104), certified and signed by Mike Mulgrew;

- (b) November 2014 (Bates Stamped COA Resp to PUC RFI-1091 through 1097), certified and signed by Julie Hollandsworth;
- (c) December 2014 (Bates Stamped COA Resp to PUC RFI-1084 through 1090), certified and signed by Julie Hollandsworth;
- (d) January 2015 (Bates Stamped COA Resp to PUC RFI-1112 through 1118), certified and signed by Julie Hollandsworth; and
- (e) February 2015 (Bates Stamped COA Resp to PUC RFI-1105 through 1111), certified and signed by Julie Hollandsworth.

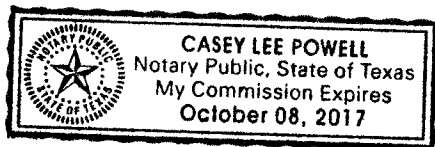
5. I reserve the right to amend, supplement or modify the above responses, based on additional information.

AFFIANT SAYS NOTHING FURTHER.


JUDY MUSGROVE, AFFIANT

IN THE COUNTY OF TRAVIS, STATE OF TEXAS:

The foregoing Affidavit of Judy Musgrove, P. E. was SUBSCRIBED AND SWORN TO before me by Judy Musgrove, P. E. on the 15 day of July, 2015.





Notary Public for the State of Texas

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 Water System

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: October 2014

Certificate No. & Grade: W00034646, A

Date: November 7, 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>1</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>0.12</u> NTU	Average turbidity value:	<u>0.08</u> NTU
	Minimum turbidity reading: <u>0.06</u> NTU	Standard deviation:	<u>0.009</u> NTU
	CFE 95 th percentile value: <u>0.10</u> NTU	IFE 95 th percentile:	<u>0.196</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>2.88</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>39.01</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: <u>0.5</u> 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>1.61</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 Water System

PLANT NAME
OR NUMBER: River Place WTP

PWS ID No.: 2270252

Connections: 1,013

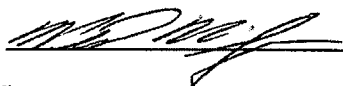
Month: October Year: 2014

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					
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6
1	1.373	1.297	6	165	0.3	0.6					0.08	0.08	0.08	0.07	0.07	0.07
2	1.534	1.494	5	170	0.5	0.6					0.07	0.07	0.07	0.07	0.07	0.07
3	0.980	0.903	4	171	0.5	0.5					0.08	0.08	0.08	0.07	0.06	0.06
4	0.631	0.581	3	171	0.6	0.8					0.07	0.07	0.07	0.07	0.07	0.07
5	0.676	0.688	3	170	1.0	0.9					0.07	0.07	0.07	0.08	0.08	0.08
6	0.818	0.692	3	170	0.7	0.9					0.08	0.09	0.09	0.09	0.09	0.10
7	0.621	0.618	3	164	0.6	0.4					0.10	0.10	0.10	0.09	0.12	0.09
8	1.309	1.296	2	175	0.8	0.6					0.08	0.08	0.08	0.08	0.08	0.08
9	1.579	1.579	4	175	0.7	0.5					0.08	0.09	0.09	0.10	0.09	0.08
10	1.053	0.886	4	170	0.9	0.6					0.08	0.09	0.09	0.10	0.09	0.08
11	0.676	0.602	3	174	0.8	0.8					0.08	0.08	0.08	0.08	0.08	0.08
12	0.613	0.611	3	172	0.8	0.8					0.08	0.08	0.08	0.08	0.08	0.08
13	0.516	0.505	3	172	0.8	0.8					0.08	0.08	0.08	0.08	0.08	0.08
14	0.350	0.317	3	171	0.8	0.5					0.08	0.08	0.07	0.07	0.07	0.07
15	1.363	1.284	4	179	0.6	0.4					0.07	0.07	0.07	0.07	0.07	0.07
16	0.533	1.102	4	179	0.5	0.4					0.08	0.09	0.10	0.10	0.10	0.10
17	0.426	0.888	3	180	0.6	0.4					0.10	0.09	0.09	0.08	0.08	0.08
18	0.272	0.584	3	165	0.8	0.6					0.08	0.08	0.08	0.08	0.08	0.08
19	0.607	0.600	2	174	1.0	0.6					0.08	0.08	0.08	0.08	0.08	0.08
20	0.801	0.797	4	170	0.7	0.5					0.08	0.09	0.09	0.08	0.08	0.08
21	0.696	0.696	4	170	0.7	0.4					0.09	0.09	0.09	0.09	0.09	0.09
22	1.237	1.231	4	172	0.5	0.4					0.09	0.09	0.09	0.09	0.09	0.09
23	1.809	1.742	4	176	0.7	1.0					0.09	0.09	0.08	0.08	0.08	0.08
24	0.901	0.898	4	178	1.1	1.6					0.08	0.08	0.08	0.08	0.08	0.08
25	0.619	0.595	3	170	1.4	1.4					0.08	0.08	0.08	0.08	0.08	0.08
26	0.660	0.625	3	164	0.8	0.8					0.08	0.08	0.08	0.08	0.08	0.08
27	0.810	0.785	4	179	0.6	0.3					0.08	0.08	0.08	0.08	0.08	0.08
28	0.725	0.706	2	170	0.6	0.2					0.07	0.07	0.07	0.07	0.07	0.07
29	1.374	1.289	3	168	0.7	0.5					0.07	0.07	0.07	0.07	0.07	0.07
30	1.597	1.522	3	168	0.6	0.4					0.07	0.08	0.07	0.07	0.07	0.07
31	0.901	0.900	4	168	2.4	0.6					0.08	0.07	0.07	0.07	0.07	0.07
Total	28.060	28.313														
Avg	0.905	0.913														
Max	1.809	1.742														
Min	0.272	0.317														

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:

WO0034646, A

Date: November 7, 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 Water System

PLANT NAME

OR NUMBER: River Place WTP

PWS ID No.: 2270252

Month:

October

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	0.07	0.05	0.07	0.06	0.06	0.06	0.08	0.07	0.12	0.11										
2	0.07	0.06	0.07	0.06	0.07	0.06	0.08	0.08	0.13	0.11										
3	0.07		0.07		0.06		0.08		0.12											
4	0.27		0.17		0.10		0.08		X											
5	0.26		0.24		0.13		0.08		X											
6	0.20		0.18		0.13		0.07		X											
7	0.21		0.18		0.07		0.05		X											
8	0.28	0.12	0.19	0.06	0.10	0.05	0.05	0.05	X											
9	0.17	0.13	0.15	0.08	0.07	0.05	0.05	0.05	0.09	0.07										
10	0.17		0.15		0.07		0.05		0.09											
11	0.09		0.11		0.11		0.05		0.10											
12	0.07		0.08		0.09		0.03		0.07											
13	0.08		0.08		0.07		0.03		0.06											
14	0.08		0.13		0.07		x		0.05											
15	0.15	0.12	0.23	0.13	0.13	0.08	0.21	0.07	0.12	0.08										
16	0.12	0.09	0.15	0.07	0.09	0.06	0.10	0.04	0.11	0.05										
17	0.11		0.08		0.06		0.05		0.08											
18	0.10		0.09		0.07		0.05		0.05											
19	0.12		0.10		0.08		0.04		0.05											
20	0.13		0.13		0.07		0.04		0.05											
21	0.20		0.10		0.08		0.03		0.04											
22	0.10	0.09	0.08	0.07	0.07	0.06	0.08	0.03	0.08	0.03										
23	0.10	0.08	0.08	0.06	0.07	0.06	0.08	0.06	0.08	0.06										
24	0.08		0.08		0.06		0.06		0.07											
25	0.09		0.07		0.07		0.06		0.06											
26	0.09		0.07		0.06		0.06		0.06											
27	0.07		0.06		0.06		0.06		0.06											
28	0.08		0.07		0.08		0.05		0.06											
29	0.09	0.09	0.07	0.07	0.09	0.06	0.05	0.03	0.05	0.03										
30	0.09	0.08	0.07	0.06	0.07	0.05	0.07	0.03	0.07	0.03										
31	0.07		0.06		0.06		0.06		0.07											

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: WO0034646, A

Date: November 7, 2014

TCEQ - 0102C (07-19-10)

PAGE 3

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.)
Disinfection Data Page

PUBLIC WATER

SYSTEM NAME: River Place Water System

PLANT NAME

OR NUMBER: River Place WTP

PWS ID No.: 2270252

Month:

October

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

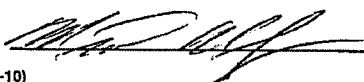
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	0.0	2.074	25.5	7.6	3.34	34.94	6.69 (G)	
	FCL D2	1.4	0.829	25.5	7.4				
	CLA D3	3.2	3.312	26.4	7.5				
	D4								
	D5								
2	FCL D1	0.0	2.074	25.2	7.3	3.58	42.87	7.16 (G)	
	FCL D2	1.9	0.829	24.8	7.3				
	CLA D3	3.2	3.312	26.6	7.3				
	D4								
	D5								
3	FCL D1	0.0	2.074	26.3	7.2	2.96	29.93	5.92 (G)	
	FCL D2	1.2	0.829	25.7	7.1				
	CLA D3	2.7	3.312	25.5	7.3				
	D4								
	D5								
4	FCL D1	0.0	2.074	24.9	7.3	2.63	24.74	5.26 (G)	
	FCL D2	1.3	1.037	24.6	7.2				
	CLA D3	2.7	3.312	24.3	7.3				
	D4								
	D5								
5	FCL D1	0.0	2.074	23.9	7.4	2.28	19.39	4.55 (G)	
	FCL D2	1.1	1.037	23.5	7.3				
	CLA D3	2.6	3.312	23.6	7.3				
	D4								
	D5								
6	FCL D1	0.0	2.074	25.9	7.4	3.12	33.98	6.24 (G)	
	FCL D2	1.8	1.037	25.4	7.3				
	CLA D3	2.9	3.312	25.0	7.4				
	D4								
	D5								
7	FCL D1	0.0	2.074	26.8	7.4	3.61	34.49	7.22 (G)	
	FCL D2	1.8	1.037	25.4	7.3				
	CLA D3	3.8	3.312	24.3	7.4				
	D4								
	D5								
8	FCL D1	0.0	2.074	25.4	7.4	3.35	35.62	6.71 (G)	
	FCL D2	1.9	1.037	25.0	7.3				
	CLA D3	3.2	3.312	26.5	7.4				
	D4								
	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	2.074	25.8	7.5	2.71	26.14	5.42 (G)	
	FCL D2	1.1	0.829	25.0	7.3				
	CLA D3	2.6	3.312	25.2	7.4				
	D4								
	D5								
10	FCL D1	0.0	2.074	26.8	7.5	3.12	50.39	6.25 (G)	
	FCL D2	2.1	0.829	26.7	7.3				
	CLA D3	2.3	3.312	24.7	7.5				
	D4								
	D5								
11	FCL D1	0.0	2.074	23.0	7.3	2.16	23.11	4.32 (G)	
	FCL D2	1.1	0.829	23.2	7.3				
	CLA D3	2.0	3.312	24.9	7.4				
	D4								
	D5								
12	FCL D1	0.0	2.074	24.0	7.3	2.28	28.19	4.57 (G)	
	FCL D2	1.4	0.829	24.0	7.3				
	CLA D3	2.1	3.312	24.0	7.5				
	D4								
	D5								
13	FCL D1	0.0	2.074	23.2	7.5	2.59	37.76	5.18 (G)	
	FCL D2	2.0	0.829	23.1	7.3				
	CLA D3	2.2	3.312	24.0	7.5				
	D4								
	D5								
14	FCL D1	0.0	2.074	24.8	7.5	2.11	21.95	4.22 (G)	
	FCL D2	1.2	1.037	24.5	7.3				
	CLA D3	2.3	3.312	23.1	7.5				
	D4								
	D5								
15	FCL D1	0.0	2.074	23.0	7.4	2.88	43.66	5.75 (G)	
	FCL D2	2.3	0.829	23.0	7.3				
	CLA D3	2.5	3.312	23.6	7.5				
	D4								
	D5								
16	FCL D1	0.0	2.074	24.7	7.4	2.64	42.72	5.27 (G)	
	FCL D2	2.2	0.829	23.9	7.3				
	CLA D3	2.1	3.312	23.8	7.4				
	D4								
	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: WO0034646, A

Date: November 7, 2014

TCEQ - 0102C (07-19-10)

PAGE 4

SWMOR

COA Resp to PUC RFI-1101

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 Water System

PLANT NAME
OR NUMBER:

River Place WTP

PWS ID No.:

2270252

Month:

October

Year: 2014

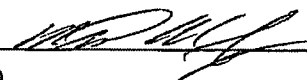
DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	2.290	0.916	5.760			0.5	2.0
T ₁₀ (minutes)	40.4	8.4	111.8				

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	2.074	25.7	7.5	2.38	44.70	4.76 (G)	
	FCL D2	2.2	0.829	24.6	7.4				
	CLA D3	1.6	3.312	24.4	7.4				
	D4								
	D5								
18	FCL D1	0.0	2.074	23.9	7.5	2.77	50.19	5.54 (G)	
	FCL D2	2.7	0.829	23.3	7.4				
	CLA D3	2.2	3.312	23.5	7.8				
	D4								
	D5								
19	FCL D1	0.0	2.074	23.1	7.4	2.61	40.63	5.21 (G)	
	FCL D2	2.2	0.829	22.8	7.3				
	CLA D3	2.3	3.312	23.0	7.5				
	D4								
	D5								
20	FCL D1	0.0	2.074	24.1	7.3	3.18	50.55	6.36 (G)	
	FCL D2	2.8	0.829	22.8	7.3				
	CLA D3	2.9	3.312	22.9	7.5				
	D4								
	D5								
21	FCL D1	0.0	2.074	24.1	7.4	2.82	49.63	5.64 (G)	
	FCL D2	2.6	0.829	23.4	7.4				
	CLA D3	2.4	3.312	22.9	7.6				
	D4								
	D5								
22	FCL D1	0.0	2.074	24.2	7.4	2.67	45.05	5.34 (G)	
	FCL D2	2.3	0.829	23.8	7.4				
	CLA D3	2.3	3.312	22.9	7.4				
	D4								
	D5								
23	FCL D1	0.0	2.074	22.3	7.4	3.23	49.35	6.46 (G)	
	FCL D2	2.8	0.829	22.3	7.4				
	CLA D3	3.2	3.312	22.6	7.4				
	D4								
	D5								
24	FCL D1	0.0	2.074	21.9	7.4	2.87	45.81	5.74 (G)	
	FCL D2	2.6	0.829	22.0	7.4				
	CLA D3	2.7	3.312	22.7	7.5				
	D4								
	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	2.074	21.5	7.3	2.84	43.81	5.68 (G)	
	FCL D2	2.6	0.829	21.6	7.4				
	CLA D3	2.7	3.312	22.9	7.8				
	D4								
	D5								
26	FCL D1	0.0	2.074	22.8	7.3	2.82	32.40	5.63 (G)	
	FCL D2	1.7	0.829	22.8	7.3				
	CLA D3	3.1	3.312	22.5	7.5				
	D4								
	D5								
27	FCL D1	0.0	2.074	25.0	7.4	2.64	28.24	5.27 (G)	
	FCL D2	1.1	0.829	26.3	7.3				
	CLA D3	2.7	3.312	23.6	7.5				
	D4								
	D5								
28	FCL D1	0.0	2.074	24.2	7.4	2.93	43.50	5.86 (G)	
	FCL D2	2.3	0.829	23.4	7.3				
	CLA D3	2.5	3.312	24.0	7.4				
	D4								
	D5								
29	FCL D1	0.0	2.074	23.3	7.4	3.59	53.85	7.18 (G)	
	FCL D2	2.8	0.829	23.1	7.4				
	CLA D3	3.4	3.312	23.4	7.4				
	D4								
	D5								
30	FCL D1	0.0	2.074	23.8	7.5	3.43	53.65	6.86 (G)	
	FCL D2	2.9	0.829	23.0	7.3				
	CLA D3	3.0	3.312	23.7	7.3				
	D4								
	D5								
31	FCL D1	0.0	2.074	22.5	7.3	3.22	47.93	6.44 (G)	
	FCL D2	2.7	0.829	22.1	7.2				
	CLA D3	3.0	3.312	23.0	7.4				
	D4								
	D5								
						Max	3.61	53.85	
						Min	2.11	19.39	
						Avg	2.88	39.01	
						SD	0.41	9.94	

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:

WO0034646, A

Date: November 7, 2014

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

COA Resp to PUC RFI-1102

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 Water System

PWS ID No.: 2270252

PLANT NAME
OR NUMBER: River Place WTP

Month: October

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	10/1	152	4.16	3.14	24.5	25	0.98			0.98
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
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19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		152.00	4.16	3.14	24.52		0.98			0.98
Max		152.00	4.16	3.14	24.52		0.98			0.98
Min		152.00	4.16	3.14	24.52		0.98			0.98

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	
152	4.16	3.14	24.5	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: [Signature]

Certificate No
and Grade WO0034646, A

Date November 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 Water System
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: River Place WTP

Month: October 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
0.05

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: [Signature]

Certificate No. and Grade: WO0034646, A

Date: November 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

Summary Page

PUBLIC WATER

SYSTEM NAME: River Place Water System

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: November 2014

Certificate No. & Grade: WS0011192, B

Date: December 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:	6	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: <u>0.19</u> NTU	Average turbidity value:	0.09 NTU
	Minimum turbidity reading: <u>0.07</u> NTU	Standard deviation:	0.012 NTU
	CFE 95 th percentile value: <u>0.10</u> NTU	IFE 95 th percentile:	0.201 NTU
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.28
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	33.51
		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:	1.48	Percentage of readings with a low residual this month:	0.0 % (5A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (5B)
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
Additional report(s) for individual filter monitoring submitted:	☒ NONE	☐ Filter Profile (9)	☐ Filter Assessment (10)
No additional IFE Reports are required this month.			
			☐ CPF
			☐ CPE (11)

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 Water System</u> PWS ID No.: <u>2270252</u> Month: <u>November</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					
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6
1	0.565	0.641	4	168	0.7	0.7					0.07	0.07	0.07	0.07	0.07	0.07
2	0.585	0.542	4	169	0.6	0.4					0.07	0.08	0.08	0.08	0.08	0.08
3	0.700	0.611	5	167	1.5	0.7					0.08	0.09	0.09	0.09	0.09	0.09
4	0.828	0.611	3	166	1.1	0.4					0.10	0.10	0.10	0.09	0.09	0.08
5	0.715	0.683	4	166	1.0	1.0					0.08	0.08	0.08	0.07	0.07	0.08
6	0.513	0.490	4	170	1.0	1.0					0.07	0.08	0.08	0.08	0.08	0.08
7	0.433	0.445	3	170	0.9	0.3					0.08	0.08	0.08	0.08	0.08	0.08
8	0.648	0.599	5	170	1.2	0.6					0.08	0.08	0.08	0.09	0.09	0.09
9	0.519	0.554	3	168	0.7	0.4					0.10	0.10	0.10	0.10	0.10	0.10
10	0.553	0.601	5	158	0.8	0.4					0.09	0.09	0.09	0.08	0.08	0.08
11	0.888	0.831	4	160	1.3	1.2					0.08	0.08	0.08	0.08	0.08	0.09
12	0.922	0.819	4	158	1.8	1.9					0.09	0.09	0.10	0.09	0.09	0.09
13	0.539	0.516	5	161	1.3	1.3					0.09	0.19	0.10	0.09	0.10	0.10
14	0.225	0.177	4	158	1.8	1.9					0.09	0.09	0.10	0.09	0.10	0.10
15	0.605	0.686	3	163	0.8	1.0					0.10	0.10	0.10	0.10	0.10	0.11
16	0.428	0.388	4	173	1.5	0.7					0.11	0.11	0.11	0.10	0.10	0.10
17	0.437	0.399	3	164	1.5	0.6					0.10	0.10	0.10	0.09	0.09	0.08
18	0.664	0.716	3	159	1.5	0.5					0.09	0.09	0.09	0.08	0.09	0.08
19	0.827	0.824	4	160	0.8	0.3					0.08	0.09	0.09	0.09	0.09	0.09
20	0.539	0.488	3	163	0.5	0.3					0.09	0.10	0.10	0.10	0.10	0.09
21	0.337	0.306	4	165	0.7	0.4					0.09	0.10	0.09	0.10	0.10	0.10
22	0.397	0.433	4	168	0.6	0.4					0.10	0.09	0.09	0.11	0.09	0.09
23	0.464	0.456	4	156	0.7	0.4					0.08	0.08	0.08	0.09	0.08	0.08
24	0.413	0.454	3	164	0.8	0.3					0.08	0.08	0.08	0.09	0.08	0.08
25	0.481	0.473	5	163	0.7	0.4					0.08	0.08	0.08	0.08	0.08	0.08
26	0.732	0.705	3	167	0.7	0.4					0.08	0.08	0.08	0.08	0.08	0.08
27	0.509	0.519	3	168	0.7	0.4					0.08	0.08	0.08	0.08	0.08	0.08
28	0.451	0.449	4	167	1.1	0.5					0.08	0.08	0.08	0.08	0.08	0.08
29	0.382	0.389	4	167	0.9	0.5					0.08	0.08	0.08	0.08	0.08	0.08
30	0.415	0.452	5	160	0.9	0.4					0.08	0.08	0.08	0.08	0.08	0.08
31																
Total	16.714	16.267														
Avg	0.557	0.542														
Max	0.922	0.831														
Min	0.225	0.177														

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: [Signature] Certificate No. WS0011192, B and Grade: WS0011192, B Date: December 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 Water System

PLANT NAME
 OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: November 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	0.12	x	0.10	x	0.08	x	0.04	x	0.08	x										
2	0.17	x	0.12	x	0.23	x	0.04	x	0.19	x										
3	0.14	x	0.11	x	0.21	x	0.04	x	0.18	x										
4	0.11	x	0.04	x	0.06	x	0.04	x	0.05	x										
5	0.08	x	0.15	x	0.06	x	0.04	x	0.20	x										
6	0.14	x	0.16	x	0.13	x	0.07	x	0.05	x										
7	0.16	x	0.15	x	0.17	x	0.05	x	0.10	x										
8	0.19	x	0.12	x	0.28	x	0.05	x	0.11	x										
9	0.15	x	0.07	x	0.07	x	0.05	x	0.09	x										
10	0.10	x	0.09	x	0.09	x	0.08	x	0.09	x										
11	0.19	x	0.05	x	0.07	x	0.13	x	0.08	x										
12	0.17	x	0.07	x	0.17	x	0.06	x	0.12	x										
13	0.10	x	0.19	x	0.10	x	0.04	x	0.06	x										
14	0.23	x	0.19	x	0.21	x	0.04	x	0.24	x										
15	0.11	x	0.08	x	0.13	x	0.04	x	0.08	x										
16	0.10	x	0.05	x	0.10	x	0.04	x	0.06	x										
17	0.11	x	0.24	x	0.19	x	0.05	x	0.09	x										
18	0.16	x	0.13	x	0.15	x	0.06	x	0.12	x										
19	0.15	x	0.16	x	0.15	x	0.06	x	0.15	x										
20	0.13	x	0.15	x	0.11	x	0.05	x	0.11	x										
21	0.13	x	0.03	x	0.08	x	0.16	x	0.12	x										
22	0.11	x	0.03	x	0.07	x	0.08	x	0.09	x										
23	0.09	x	0.04	x	0.07	x	0.08	x	0.07	x										
24	0.07	x	0.04	x	0.06	x	0.06	x	0.07	x										
25	0.09	x	0.05	x	0.08	x	0.05	x	0.09	x										
26	0.08	x	0.09	x	0.08	x	0.05	x	0.18	x										
27	0.07	x	0.04	x	0.08	x	0.05	x	0.09	x										
28	0.07	x	0.04	x	0.08	x	0.05	x	0.07	x										
29	0.08	x	0.05	x	0.07	x	0.05	x	0.06	x										
30	0.09	x	0.06	x	0.06	x	0.05	x	0.07	x										
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: WS0011192, B Date: December 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 Water System

PLANT NAME

OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: November

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				
T ₁₀ (minutes)	40.4	8.4	111.8			0.5	2.0

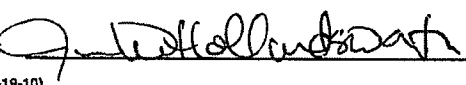
PERFORMANCE DATA

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	2.074	21.1	7.4	2.65	40.51	5.30 (G)	
	FCL D2	2.4	0.829	21.3	7.3				
	CLA D3	2.6	3.312	22.1	7.4				
	D4								
	D5								
2	FCL D1	0.0	2.074	21.8	7.4	2.54	36.80	5.08 (G)	
	FCL D2	2.2	0.829	21.3	7.3				
	CLA D3	2.6	3.312	21.7	7.4				
	D4								
	D5								
3	FCL D1	0.0	2.074	21.1	7.4	2.72	42.53	5.45 (G)	
	FCL D2	2.6	0.829	21.1	7.4				
	CLA D3	2.7	3.312	22.1	7.5				
	D4								
	D5								
4	FCL D1	0.0	2.074	21.9	7.5	3.08	45.00	6.15 (G)	
	FCL D2	2.6	0.829	21.7	7.5				
	CLA D3	3.2	3.312	22.4	7.5				
	D4								
	D5								
5	FCL D1	0.0	2.074	19.4	7.4	2.62	45.41	5.24 (G)	
	FCL D2	3.0	0.829	20.0	7.4				
	CLA D3	2.5	3.312	22.0	7.5				
	D4								
	D5								
6	FCL D1	0.0	2.074	19.7	7.4	2.62	37.67	5.25 (G)	
	FCL D2	2.5	0.829	19.8	7.4				
	CLA D3	2.8	3.312	21.9	7.5				
	D4								
	D5								
7	FCL D1	0.0	2.074	20.8	7.5	2.26	42.50	4.52 (G)	
	FCL D2	2.8	0.829	20.4	7.5				
	CLA D3	2.2	3.312	20.8	7.5				
	D4								
	D5								
8	FCL D1	0.0	2.074	20.0	7.6	2.21	41.07	4.41 (G)	
	FCL D2	2.8	0.829	19.9	7.5				
	CLA D3	2.2	3.312	20.4	7.5				
	D4								
	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	2.074	20.7	7.5	2.39	31.91	4.79 (G)	
	FCL D2	2.0	0.829	20.4	7.4				
	CLA D3	2.9	3.312	20.4	7.5				
	D4								
	D5								
10	FCL D1	0.0	2.074	21.9	7.6	3.15	45.95	6.30 (G)	
	FCL D2	2.9	0.829	20.4	7.4				
	CLA D3	3.6	3.312	21.2	7.6				
	D4								
	D5								
11	FCL D1	0.0	2.074	17.4	7.6	2.51	42.57	5.02 (G)	
	FCL D2	3.3	0.829	17.7	7.5				
	CLA D3	2.7	3.312	21.0	7.5				
	D4								
	D5								
12	FCL D1	0.0	2.074	17.7	7.5	2.37	26.05	4.74 (G)	
	FCL D2	1.8	0.829	18.1	7.4				
	CLA D3	3.3	3.312	19.7	7.5				
	D4								
	D5								
13	FCL D1	0.0	2.074	15.4	7.7	2.56	39.23	5.13 (G)	
	FCL D2	3.4	0.829	15.9	7.6				
	CLA D3	3.6	3.312	18.3	7.5				
	D4								
	D5								
14	FCL D1	0.0	2.074	16.0	7.6	2.32	27.25	4.64 (G)	
	FCL D2	2.2	0.829	16.2	7.5				
	CLA D3	3.4	3.312	18.9	7.5				
	D4								
	D5								
15	FCL D1	0.0	2.074	15.3	7.6	2.03	20.00	4.07 (G)	
	FCL D2	1.6	0.829	15.8	7.6				
	CLA D3	3.1	3.312	19.3	7.5				
	D4								
	D5								
16	FCL D1	0.0	2.074	16.5	7.6	2.26	26.00	4.52 (G)	
	FCL D2	2.0	0.829	16.5	7.6				
	CLA D3	3.1	3.312	20.2	7.6				
	D4								
	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:

WS0011192, B

Date: December 8, 2014

TCEQ - 0102C (07-19-10)

PAGE 4

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.)
Disinfection Data Page (cont.)

PUBLIC WATER

SYSTEM NAME: River Place Water System

PLANT NAME

OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: November

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				
T ₁₀ (minutes)	40.4	8.4	111.8			0.5	2.0

PERFORMANCE DATA

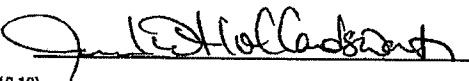
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.0	2.074	15.1	7.6	1.67	13.75	3.34 (G)	
	FCL D2	1.1	0.829	14.9	7.5				
	CLA D3	3.0	3.312	17.1	7.6				
	D4								
	D5								
18	FCL D1	0.0	2.074	15.4	7.7	1.91	24.04	3.83 (G)	
	FCL D2	2.0	0.829	16.0	7.6				
	CLA D3	2.8	3.312	18.5	7.8				
	D4								
	D5								
19	FCL D1	0.0	2.074	16.7	7.6	2.08	24.36	4.15 (G)	
	FCL D2	2.1	0.829	15.3	7.6				
	CLA D3	3.4	3.312	17.0	7.6				
	D4								
	D5								
20	FCL D1	0.0	2.074	16.8	7.5	1.93	21.26	3.85 (G)	
	FCL D2	1.8	0.829	15.3	7.6				
	CLA D3	2.9	3.312	18.8	7.6				
	D4								
	D5								
21	FCL D1	0.0	2.074	19.0	7.5	2.20	25.02	4.39 (G)	
	FCL D2	1.8	0.829	17.6	7.6				
	CLA D3	3.1	3.312	19.6	7.6				
	D4								
	D5								
22	FCL D1	0.0	2.074	17.7	7.7	2.06	27.74	4.11 (G)	
	FCL D2	2.1	0.829	17.6	7.6				
	CLA D3	2.6	3.312	18.9	7.6				
	D4								
	D5								
23	FCL D1	0.0	2.074	16.9	7.6	1.86	24.46	3.71 (G)	
	FCL D2	2.0	0.829	16.3	7.6				
	CLA D3	2.8	3.312	17.4	7.5				
	D4								
	D5								
24	FCL D1	0.0	2.074	17.1	7.6	2.00	28.40	4.01 (G)	
	FCL D2	2.4	0.829	15.9	7.6				
	CLA D3	2.8	3.312	18.3	7.6				
	D4								
	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	2.074	16.2	7.6	2.05	33.95	4.09 (G)	
	FCL D2	2.9	0.829	16.2	7.8				
	CLA D3	2.9	3.312	17.6	7.6				
	D4								
	D5								
26	FCL D1	0.0	2.074	15.9	7.6	2.08	36.31	4.16 (G)	
	FCL D2	3.3	0.829	15.4	7.6				
	CLA D3	2.8	3.312	17.3	7.6				
	D4								
	D5								
27	FCL D1	0.0	2.074	16.5	7.6	2.11	37.88	4.22 (G)	
	FCL D2	3.4	0.829	15.9	7.6				
	CLA D3	2.8	3.312	17.2	7.5				
	D4								
	D5								
28	FCL D1	0.0	2.074	17.5	7.7	1.95	38.91	3.90 (G)	
	FCL D2	3.3	0.829	17.0	7.6				
	CLA D3	2.2	3.312	18.6	7.5				
	D4								
	D5								
29	FCL D1	0.0	2.074	17.5	7.6	2.07	37.90	4.15 (G)	
	FCL D2	3.1	0.829	17.0	7.6				
	CLA D3	2.4	3.312	19.1	7.5				
	D4								
	D5								
30	FCL D1	0.0	2.074	19.5	7.6	2.14	40.79	4.28 (G)	
	FCL D2	3.0	0.829	18.7	7.6				
	CLA D3	2.0	3.312	21.8	7.5				
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
						Max	3.15	45.95	
						Min	1.67	13.75	
						Avg	2.28	33.51	
						SD	0.34	8.63	

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: WS0011192, B

Date: December 8, 2014

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

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 Water System

PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP

Month: November

Year: 2014

Type of
treatment: ☒ Conventional

☐ Unconventional
explain:

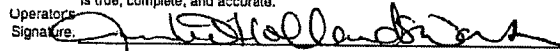
Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

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	11/12	167	3.76	3.00	20.2	15	1.35			1.35
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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26										
27										
28										
29										
30										
31										
Avg		167.00	3.76	3.00	20.21		1.35			1.35
Max		167.00	3.76	3.00	20.21		1.35			1.35
Min		167.00	3.76	3.00	20.21		1.35			1.35

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
167	3.76	3.00	20.2	NA	1.35

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 WS0011192, B

Date: December 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

City of Austin
Austin Water Utility
Laboratory Services Division

Riverplace Water Treatment Plant

This data has been proofed by a Laboratory Official: YES

November 2014

DBP RULE COMPLIANCE TOC & ALKALINITY

Collection Date:	SM 2320 B Alkalinity (mg/L)	SM 5310 C TOC (mg/L)	SM 5310 C TOC (mg/L)
	RAW R-RP	RAW R-RP	TAP T-RP
12-Nov-14	167	3.76	3.00
Total	167	3.76	3.00
Average	167	3.76	3.00
Maximum	167	3.76	3.00
Minimum	167	3.76	3.00

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

PWS ID No.: 2270252
Report for
the Month of: December 2014

Operator's Signature: _____

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.

Certificate No. & Grade: WS0011192, B

Date: January 6, 2015

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: 0.09 NTU Minimum turbidity reading: 0.07 NTU CFE 95 th percentile value: 0.09 NTU	Average turbidity value: 0.08 NTU Standard deviation: 0.005 NTU IFE 95 th percentile: 0.120 NTU	
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.03
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	32.25
		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 31 required) (8)	
Average disinfectant residual value:	1.16	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
Additional report(s) for individual filter monitoring submitted:	☒ NONE	☐ Filter Profile (9)	☐ Filter Assessment (10)
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>December</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	0.470	0.449	4	165	0.9	0.8					0.08	0.08	0.08	0.08	0.08	0.08	2.2	
2	0.572	0.657	4	167	0.9	0.4					0.08	0.08	0.08	0.08	0.08	0.08	2.7	
3	0.561	0.517	4	165	1.1	0.4					0.08	0.08	0.08	0.09	0.09	0.09	2.7	
4	0.352	0.137	5	167	1.3	0.6					0.09	0.09	0.09	0.09	0.09	0.09	2.6	
5	0.721	0.774	4	170	1.1	0.4					0.09	0.09	0.09	0.08	0.08	0.09	3.3	
6	0.360	0.335	4	167	1.2	0.5					0.09	0.09	0.09	0.09	0.09	0.09	2.4	
7	0.447	0.411	4	167	2.2	0.9					0.09	0.09	0.09	0.09	0.08	0.08	2.3	
8	0.324	0.284	4	167	1.1	0.3					0.08	0.08	0.08	0.08	0.08	0.08	2.3	
9	0.577	0.593	5	170	1.9	0.6					0.08	0.08	0.08	0.08	0.08	0.08	2.4	
10	0.656	0.597	4	166	1.3	0.7					0.08	0.08	0.08	0.09	0.08	0.09	2.1	
11	0.463	0.477	5	170	0.9	0.5					0.09	0.09	0.09	0.09	0.09	0.09	2.0	
12	0.351	0.363	6	170	1.5	0.7					0.09	0.09	0.08	0.08	0.08	0.08	2.0	
13	0.350	0.359	5	167	1.8	0.9					0.08	0.08	0.08	0.08	0.08	0.08	2.2	
14	0.421	0.432	6	167	0.9	0.5					0.08	0.08	0.08	0.08	0.08	0.08	2.2	
15	0.375	0.384	5	170	1.1	0.4					0.08	0.08	0.08	0.08	0.08	0.07	2.3	
16	0.540	0.484	4	173	1.7	1.2					0.08	0.07	0.07	0.07	0.07	0.07	3.2	
17	0.509	0.523	3	170	1.4	0.8					0.07	0.07	0.07	0.07	0.08	0.08	2.3	
18	0.316	0.325	3	167	0.7	0.2					0.08	0.08	0.08	0.08	0.08	0.08	2.6	
19	0.345	0.355	4	165	1.3	0.8					0.08	0.08	0.08	0.08	0.08	0.08	2.2	
20	0.402	0.418	4	167	1.5	1.2					0.08	0.08	0.08	0.08	0.08	0.08	3.2	
21	0.234	0.240	4	170	2.0	1.0					0.08	0.08	0.08	0.08	0.08	0.08	2.2	
22	0.517	0.495	6	171	2.0	1.0					0.08	0.08	0.08	0.08	0.08	0.08	3.0	
23	0.545	0.497	4	170	2.3	1.1					0.08	0.08	0.08	0.08	0.08	0.08	2.4	
24	0.452	0.499	8	170	1.5	0.9					0.08	0.08	0.08	0.08	0.08	0.08	3.3	
25	0.487	0.498	5	170	2.4	1.7					0.08	0.08	0.08	0.08	0.08	0.08	2.3	
26	0.460	0.448	7	176	1.8	0.5					0.08	0.08	0.08	0.08	0.08	0.08	2.3	
27	0.411	0.396	7	173	1.8	0.8					0.08	0.09	0.08	0.09	0.09	0.09	2.4	
28	0.232	0.238	7	167	2.3	0.9					0.09	0.08	0.08	0.09	0.08	0.08	2.4	
29	0.559	0.486	4	170	2.2	1.2					0.08	0.08	0.08	0.08	0.08	0.08	2.2	
30	0.465	0.478	5	166	1.9	1.0					0.08	0.08	0.08	0.08	0.08	0.08	3.2	
31	0.492	0.504	9	173	1.8	1.4					0.08	0.08	0.08	0.08	0.08	0.08	3.5	
Total	13.966	13.653																
Avg	0.451	0.440																
Max	0.721	0.774																
Min	0.232	0.137																
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: <u>WS0011192, B</u>	Date: <u>January 6, 2015</u>
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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: December 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	0.10	x	0.08	x	0.08	x	0.04	x	0.05	x										
2	0.09	x	0.09	x	0.07	x	0.05	x	0.08	x										
3	0.10	x	0.07	x	0.13	x	0.06	x	0.10	x										
4	0.12	x	0.10	x	0.08	x	0.05	x	0.06	x										
5	0.09	x	0.06	x	0.07	x	0.05	x	0.08	x										
6	0.07	x	0.07	x	0.07	x	0.04	x	0.06	x										
7	0.10	x	0.11	x	0.10	x	0.06	x	0.10	x										
8	0.10	x	0.10	x	0.12	x	0.08	x	0.05	x										
9	0.10	x	0.12	x	0.12	x	0.06	x	0.05	x										
10	0.12	x	0.15	x	0.13	x	0.05	x	0.05	x										
11	0.08	X	0.05	X	0.07	X	0.05	X	0.05	X										
12	0.07	x	0.05	x	0.06	x	0.05	x	0.05	x										
13	0.07	x	0.05	x	0.06	x	0.05	x	0.04	x										
14	0.07	x	0.05	x	0.06	x	0.05	x	0.04	x										
15	0.09	x	0.06	x	0.06	x	0.05	x	0.04	x										
16	0.07	x	0.08	x	0.06	x	0.05	x	0.08	x										
17	0.10	x	0.08	x	0.07	x	0.05	x	0.07	x										
18	0.08	x	0.09	x	0.08	x	0.05	x	0.07	x										
19	0.07	x	0.07	x	0.08	x	0.05	x	0.05	x										
20	0.08	x	0.10	x	0.09	x	0.05	x	0.05	x										
21	0.09	x	0.11	x	0.10	x	0.05	x	0.05	x										
22	0.12	x	0.07	x	0.09	x	0.05	x	0.07	x										
23	0.10	x	0.05	x	0.06	x	0.05	x	0.05	x										
24	0.15	x	0.09	x	0.08	x	0.07	x	0.11	x										
25	0.14	x	0.10	x	0.10	x	0.08	x	0.11	x										
26	0.08	x	0.09	x	0.09	x	0.08	x	0.06	x										
27	0.07	x	0.10	x	0.09	x	0.07	x	0.04	x										
28	0.07	x	0.11	x	0.12	x	0.10	x	0.04	x										
29	0.10	x	0.14	x	0.17	x	0.12	x	0.05	x										
30	0.09	x	0.05	x	0.07	x	0.04	x	0.04	x										
31	0.12	x	0.08	x	0.11	x	0.05	x	0.07	x										

SUMMARY & COMPLIANCE ACTIONS	Filter No.											Plant
	Criteria											
	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: WS001192, B

Date: January 6, 2015

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:

December

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	2.074	16.7	7.6	2.11	37.77	4.23 (G)	
	FCL D2	3.4	0.829	15.8	7.5				
	CLA D3	2.2	3.312	21.3	7.5				
	D4								
	D5								
2	FCL D1	0.0	2.074	17.5	7.6	1.86	43.54	3.71 (G)	
	FCL D2	3.7	0.829	17.3	7.4				
	CLA D3	1.8	3.312	17.0	7.5				
	D4								
	D5								
3	FCL D1	0.0	2.074	17.5	7.6	1.73	38.40	3.45 (G)	
	FCL D2	3.7	0.829	15.4	7.4				
	CLA D3	1.8	3.312	17.0	7.5				
	D4								
	D5								
4	FCL D1	0.0	2.074	15.9	7.6	1.83	37.10	3.66 (G)	
	FCL D2	3.2	0.829	16.5	7.4				
	CLA D3	2.0	3.312	17.8	7.5				
	D4								
	D5								
5	FCL D1	0.0	2.074	18.6	7.6	2.19	35.83	4.38 (G)	
	FCL D2	2.8	0.829	17.5	7.6				
	CLA D3	2.7	3.312	19.2	7.5				
	D4								
	D5								
6	FCL D1	0.0	2.074	17.5	7.8	2.28	32.20	4.56 (G)	
	FCL D2	2.7	0.829	16.4	7.6				
	CLA D3	2.9	3.312	20.1	7.5				
	D4								
	D5								
7	FCL D1	0.0	2.074	16.6	7.2	2.22	33.66	4.44 (G)	
	FCL D2	2.9	0.829	16.1	7.5				
	CLA D3	2.8	3.312	19.6	7.5				
	D4								
	D5								
8	FCL D1	0.0	2.074	17.3	7.5	2.09	25.99	4.19 (G)	
	FCL D2	2.1	0.829	16.7	7.5				
	CLA D3	3.0	3.312	18.6	7.7				
	D4								
	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	2.074	16.5	7.4	2.12	32.47	4.24 (G)	
	FCL D2	2.7	0.829	16.6	7.5				
	CLA D3	3.0	3.312	17.3	7.7				
	D4								
	D5								
10	FCL D1	0.0	2.074	16.7	7.4	2.13	28.00	4.25 (G)	
	FCL D2	2.2	0.829	15.7	7.6				
	CLA D3	3.3	3.312	17.6	7.7				
	D4								
	D5								
11	FCL D1	0.0	2.074	17.0	7.6	2.16	27.99	4.33 (G)	
	FCL D2	2.3	0.829	16.1	7.6				
	CLA D3	3.1	3.312	18.9	7.7				
	D4								
	D5								
12	FCL D1	0.0	2.074	16.9	7.5	2.18	29.74	4.35 (G)	
	FCL D2	2.5	0.829	16.2	7.6				
	CLA D3	3.1	3.312	18.5	7.6				
	D4								
	D5								
13	FCL D1	0.0	2.074	16.7	7.5	2.02	27.24	4.05 (G)	
	FCL D2	2.2	0.829	16.4	7.6				
	CLA D3	3.0	3.312	17.7	7.7				
	D4								
	D5								
14	FCL D1	0.0	2.074	16.7	7.5	2.17	35.01	4.34 (G)	
	FCL D2	2.7	0.829	18.0	7.5				
	CLA D3	2.6	3.312	19.5	7.7				
	D4								
	D5								
15	FCL D1	0.0	2.074	17.7	7.6	2.17	33.77	4.33 (G)	
	FCL D2	2.7	0.829	17.3	7.5				
	CLA D3	2.8	3.312	18.6	7.7				
	D4								
	D5								
16	FCL D1	0.0	2.074	15.4	7.6	1.94	31.02	3.88 (G)	
	FCL D2	2.9	0.829	15.2	7.6				
	CLA D3	2.7	3.312	17.3	7.7				
	D4								
	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: WS0011192, B

Date: January 6, 2015

TCEQ - 0102C (07-19-10)

PAGE 4

SWMOR

COA Resp to PUC RFI-1087

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: December 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	2.074	17.0	7.7	2.41	40.17	4.82 (G)	
	FCL D2	3.3	0.829	16.7	7.6				
	CLA D3	3.0	3.312	19.4	7.6				
	D4								
	D5								
18	FCL D1	0.0	2.074	17.8	7.6	2.37	37.69	4.74 (G)	
	FCL D2	3.0	0.829	17.3	7.7				
	CLA D3	3.1	3.312	19.2	7.6				
	D4								
	D5								
19	FCL D1	0.0	2.074	16.4	7.7	2.05	31.53	4.11 (G)	
	FCL D2	2.8	0.829	15.5	7.7				
	CLA D3	3.0	3.312	17.3	7.7				
	D4								
	D5								
20	FCL D1	0.0	2.074	15.4	7.7	1.88	30.74	3.76 (G)	
	FCL D2	2.9	0.829	15.0	7.6				
	CLA D3	2.6	3.312	17.4	7.7				
	D4								
	D5								
21	FCL D1	0.0	2.074	15.3	7.7	1.90	26.48	3.81 (G)	
	FCL D2	2.4	0.829	15.1	7.6				
	CLA D3	2.9	3.312	17.0	7.7				
	D4								
	D5								
22	FCL D1	0.0	2.074	19.3	8.0	1.96	31.30	3.92 (G)	
	FCL D2	2.5	0.829	17.2	7.7				
	CLA D3	2.4	3.312	19.8	7.5				
	D4								
	D5								
23	FCL D1	0.0	2.074	15.8	8.1	1.97	33.12	3.94 (G)	
	FCL D2	2.9	0.829	15.8	7.6				
	CLA D3	2.3	3.312	20.0	7.7				
	D4								
	D5								
24	FCL D1	0.0	2.074	15.6	8.0	1.93	31.41	3.85 (G)	
	FCL D2	3.0	0.829	14.8	7.6				
	CLA D3	2.6	3.312	17.9	7.8				
	D4								
	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	2.074	13.9	8.1	1.76	26.67	3.52 (G)	
	FCL D2	2.8	0.829	13.2	7.6				
	CLA D3	2.7	3.312	16.3	7.7				
	D4								
	D5								
26	FCL D1	0.0	2.074	17.5	8.1	2.15	37.32	4.29 (G)	
	FCL D2	3.2	0.829	16.2	7.6				
	CLA D3	2.7	3.312	18.6	7.6				
	D4								
	D5								
27	FCL D1	0.0	2.074	15.4	8.0	2.12	35.24	4.25 (G)	
	FCL D2	3.3	0.829	15.0	7.5				
	CLA D3	2.7	3.312	18.9	7.6				
	D4								
	D5								
28	FCL D1	0.0	2.074	15.8	7.7	2.00	33.09	4.01 (G)	
	FCL D2	3.0	0.829	15.3	7.5				
	CLA D3	2.6	3.312	18.3	7.6				
	D4								
	D5								
29	FCL D1	0.0	2.074	13.8	7.6	1.70	26.01	3.41 (G)	
	FCL D2	2.6	0.829	13.7	7.6				
	CLA D3	2.4	3.312	17.5	7.7				
	D4								
	D5								
30	FCL D1	0.0	2.074	13.6	7.6	1.73	25.02	3.45 (G)	
	FCL D2	2.6	0.829	13.5	7.6				
	CLA D3	2.7	3.312	16.0	7.7				
	D4								
	D5								
31	FCL D1	0.0	2.074	13.2	7.6	1.73	26.21	3.47 (G)	
	FCL D2	2.8	0.829	13.2	7.6				
	CLA D3	2.8	3.312	15.1	7.6				
	D4								
	D5								
						Max	2.41	43.54	
						Min	1.70	25.02	
						Avg	2.03	32.25	
						SD	0.19	4.75	

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:

WS001192, B

Date: January 6, 2015

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

COA Resp to PUC RFI-1088

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: December 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	12/9	168	3.83	3.15	17.8	15	1.18			1.18
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		168.00	3.83	3.15	17.75		1.18			1.18
Max		168.00	3.83	3.15	17.75		1.18			1.18
Min		168.00	3.83	3.15	17.75		1.18			1.18

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
168	3.83	3.15	17.8	NA	1.18

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: [Signature] Certificate No. and Grade: WS0011192, B

Date: January 6, 2015

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

City of Austin
Austin Water Utility
Laboratory Services Division

Riverplace Water Treatment Plant

This data has been proofed by a Laboratory Official: YES

December 2014

DBP RULE COMPLIANCE TOC & ALKALINITY

Collection Date:	SM 2320 B Alkalinity (mg/L)	SM 5310 C TOC (mg/L)	SM 5310 C TOC (mg/L)	Calculated SUVA (L/mg•m)
	RAW R-RP	RAW R-RP	TAP T-RP	Settling Basins S-RP
9-Dec-14	168	3.83	3.15	1.28
Total	168	3.83	3.15	
Average	168	3.83	3.15	
Maximum	168	3.83	3.15	
Minimum	168	3.83	3.15	

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 Water System

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: January 2015

Certificate No. & Grade: WO0011192, B

Date: February 5, 2015

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>0.10</u> NTU Minimum turbidity reading: <u>0.07</u> NTU CFE 95 th percentile value: <u>0.10</u> NTU
	Average turbidity value: <u>0.08</u> NTU Standard deviation: <u>0.006</u> NTU IFE 95 th percentile: <u>0.141</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>1.87</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>24.84</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: <u>0.5</u> 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 with a low residual for more than 4.0 consecutive hours: <u>0</u> (5)	Number of days when disinfectant residual leaving the plant was not properly monitored: <u>0</u>

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>37</u> (at least 31 required) (8)
Average disinfectant residual value: <u>1.39</u>
Percentage of readings with a low residual this month: <u>0.0</u> % (6A)
Number of readings with a low residual: <u>0</u>
Percentage of readings with a low residual last month: <u>0.0</u> % (6B)
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 Water System

PLANT NAME

OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Connections: 1,013

Month: January

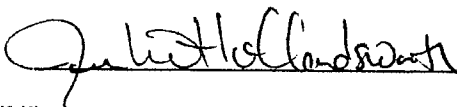
Year: 2015

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					
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6
1	0.353	0.365	4	171	2.0	1.1					0.08	0.08	0.08	0.08	0.08	0.08
2	0.431	0.403	4	174	1.9	0.9					0.08	0.08	0.08	0.08	0.08	0.08
3	0.314	0.329	5	168	1.9	1.0					0.08	0.09	0.09	0.09	0.09	0.09
4	0.469	0.493	4	170	1.9	1.0					0.09	0.09	0.09	0.09	0.09	0.09
5	0.371	0.358	2	167	1.6	0.3					0.09	0.09	0.09	0.09	0.09	0.09
6	0.502	0.530	4	170	1.2	1.0					0.09	0.09	0.09	0.09	0.09	0.09
7	0.479	0.418	4	168	1.4	1.2					0.08	0.09	0.09	0.10	0.09	0.09
8	0.586	0.558	4	163	1.6	0.5					0.09	0.10	0.09	0.09	0.09	0.09
9	0.342	0.353	3	164	1.6	1.2					0.09	0.09	0.08	0.09	0.10	0.10
10	0.354	0.366	3	172	1.3	1.2					0.10	0.10	0.10	0.10	0.10	0.10
11	0.364	0.372	3	167	0.7	0.5					0.10	0.10	0.10	0.10	0.09	0.09
12	0.367	0.369	3	167	1.0	0.5					0.09	0.09	0.09	0.09	0.09	0.09
13	0.501	0.502	3	168	1.2	0.9					0.09	0.09	0.09	0.09	0.09	0.08
14	0.553	0.511	3	167	1.0	0.7					0.08	0.08	0.08	0.08	0.08	0.08
15	0.332	0.346	4	170	1.0	0.9					0.08	0.08	0.08	0.08	0.08	0.08
16	0.350	0.361	3	170	0.7	0.4					0.08	0.08	0.08	0.08	0.08	0.08
17	0.336	0.348	3	170	0.7	0.4					0.08	0.08	0.08	0.08	0.08	0.08
18	0.395	0.377	3	167	0.8	0.4					0.08	0.08	0.08	0.08	0.08	0.08
19	0.329	0.342	4	171	0.8	0.4					0.08	0.08	0.08	0.08	0.08	0.08
20	0.498	0.509	2	173	0.7	0.9					0.08	0.08	0.08	0.08	0.08	0.08
21	0.394	0.385	3	174	0.6	0.2					0.08	0.08	0.08	0.08	0.08	0.08
22	0.348	0.479	2	171	0.9	0.8					0.08	0.08	0.08	0.08	0.08	0.08
23	0.319	0.235	3	175	0.7	0.7					0.07	0.08	0.07	0.07	0.08	0.07
24	0.340	0.350	3	166	0.6	0.2					0.07	0.07	0.07	0.08	0.08	0.08
25	0.395	0.356	4	170	0.4	0.1					0.08	0.08	0.08	0.08	0.08	0.08
26	0.231	0.242	5	173	0.6	0.3					0.08	0.08	0.08	0.08	0.08	0.08
27	0.430	0.437	2	178	0.5	0.5					0.08	0.08	0.08	0.08	0.08	0.08
28	0.527	0.473	4	172	0.5	0.2					0.08	0.08	0.08	0.08	0.08	0.08
29	0.392	0.370	4	175	0.7	0.4					0.08	0.08	0.08	0.08	0.08	0.08
30	0.336	0.347	6	175	1.0	0.6					0.08	0.08	0.08	0.08	0.08	0.08
31	0.192	0.103	4	176	0.8	0.4					0.08	0.08	0.08	0.08	0.08	0.08
Total	12.150	11.987														
Avg	0.392	0.387														
Max	0.586	0.558														
Min	0.192	0.103														

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:

WO0011192, B

Date: February 5, 2015

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 Water System

PLANT NAME

OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month:

January

Year:

2015

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	0.13	x	0.10	x	0.14	x	0.06	x	0.11	x										
2	0.14	x	0.11	x	0.12	x	0.06	x	0.11	x										
3	0.19	x	0.08	x	0.10	x	0.06	x	0.12	x										
4	0.09	x	0.08	x	0.09	x	0.06	x	0.05	x										
5	0.08	x	0.05	x	0.08	x	0.07	x	0.08	x										
6	0.14	x	0.06	x	0.10	x	0.06	x	0.06	x										
7	0.09	x	0.08	x	0.28	x	0.26	x	0.06	x										
8	0.08	x	0.08	x	0.26	x	0.16	x	0.28	x										
9	0.06	x	0.05	x	0.07	x	0.09	x	0.10	x										
10	0.06	x	0.05	x	0.08	x	0.13	x	0.11	x										
11	0.07	x	0.05	x	0.07	x	0.10	x	0.08	x										
12	0.06	x	0.04	x	0.06	x	0.05	x	0.04	x										
13	0.06	x	0.04	x	0.08	x	0.05	x	0.09	x										
14	0.07	x	0.07	x	0.09	x	0.05	x	0.11	x										
15	0.07	x	0.06	x	0.06	x	0.05	x	0.06	x										
16	0.05	x	0.05	x	0.05	x	0.05	x	0.04	x										
17	0.14	x	0.06	x	0.05	x	0.05	x	0.04	x										
18	0.07	x	0.06	x	0.05	x	0.04	x	0.05	x										
19	0.07	x	0.05	x	0.05	x	0.05	x	0.04	x										
20	0.09	x	0.06	x	0.05	x	0.06	x	0.04	x										
21	0.06	x	0.07	x	0.05	x	0.04	x	0.04	x										
22	0.06	x	0.07	x	0.06	x	0.06	x	0.08	x										
23	0.06	x	0.07	x	0.06	x	0.08	x	0.10	x										
24	0.06	x	0.07	x	0.07	x	0.04	x	0.05	x										
25	0.07	x	0.06	x	0.06	x	0.04	x	0.07	x										
26	0.06	x	0.03	x	0.06	x	0.04	x	0.06	x										
27	0.06	x	0.05	x	0.06	x	0.05	x	0.05	x										
28	0.07	x	0.03	x	0.07	x	0.04	x	0.05	x										
29	0.06	x	0.04	x	0.06	x	0.07	x	0.05	x										
30	0.06	x	0.04	x	0.06	x	0.06	x	0.05	x										
31	0.06	x	0.04	x	0.06	x	0.14	x	0.10	x										

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							
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:

WO0011192, B

Date: February 5, 2015

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 Water System

PLANT NAME
OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month: January Year: 2015

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	2.074	12.4	7.6				
	FCL D2	1.9	0.829	11.8	7.6				
	CLA D3	3.1	3.312	14.5	7.6	1.62	17.49	3.25	
	D4							(G)	
	D5								
2	FCL D1	0.0	2.074	12.5	7.7				
	FCL D2	2.1	0.829	11.9	7.6				
	CLA D3	2.9	3.312	15.3	7.7	1.63	19.13	3.26	
	D4							(G)	
	D5								
3	FCL D1	0.0	2.074	11.6	7.7				
	FCL D2	1.9	0.829	11.6	7.7				
	CLA D3	3.0	3.312	14.5	7.7	1.58	17.51	3.15	
	D4							(G)	
	D5								
4	FCL D1	0.0	2.074	12.0	7.7				
	FCL D2	2.1	0.829	11.9	7.6				
	CLA D3	2.9	3.312	15.0	7.7	1.62	19.39	3.24	
	D4							(G)	
	D5								
5	FCL D1	0.0	2.074	12.2	7.7				
	FCL D2	2.3	0.829	12.4	7.7				
	CLA D3	2.9	3.312	15.1	7.6	1.66	21.29	3.31	
	D4							(G)	
	D5								
6	FCL D1	0.0	2.074	17.3	7.7				
	FCL D2	2.5	0.829	14.1	7.7				
	CLA D3	2.8	3.312	17.6	7.6	1.87	25.84	3.73	
	D4							(G)	
	D5								
7	FCL D1	0.0	2.074	14.3	8.0				
	FCL D2	2.5	0.829	12.7	7.6				
	CLA D3	2.3	3.312	14.3	7.5	1.45	22.84	2.89	
	D4							(G)	
	D5								
8	FCL D1	0.0	2.074	12.2	8.1				
	FCL D2	2.3	0.829	10.8	7.7				
	CLA D3	3.4	3.312	15.9	7.6	1.86	19.97	3.72	
	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
9	FCL D1	0.0	2.074	11.3	7.8				
	FCL D2	2.8	0.829	11.3	7.9				
	CLA D3	3.4	3.312	15.9	7.6	1.91	24.46	3.82	
	D4							(G)	
	D5								
10	FCL D1	0.0	2.074	11.3	7.7				
	FCL D2	2.7	0.829	10.4	7.6				
	CLA D3	3.2	3.312	16.5	7.6	1.88	22.56	3.77	
	D4							(G)	
	D5								
11	FCL D1	0.0	2.074	11.9	7.7				
	FCL D2	2.6	0.829	10.8	7.6				
	CLA D3	3.3	3.312	16.5	7.6	1.92	22.33	3.84	
	D4							(G)	
	D5								
12	FCL D1	0.0	2.074	11.8	7.8				
	FCL D2	2.9	0.829	11.7	7.6				
	CLA D3	3.2	3.312	14.5	7.7	1.81	25.20	3.63	
	D4							(G)	
	D5								
13	FCL D1	0.0	2.074	11.1	7.7				
	FCL D2	2.8	0.829	10.1	7.7				
	CLA D3	3.2	3.312	13.8	7.7	1.69	22.16	3.39	
	D4							(G)	
	D5								
14	FCL D1	0.0	2.074	11.5	7.7				
	FCL D2	2.7	0.829	9.7	7.6				
	CLA D3	3.5	3.312	14.1	7.7	1.82	21.40	3.63	
	D4							(G)	
	D5								
15	FCL D1	0.0	2.074	9.9	7.7				
	FCL D2	2.7	0.829	10.8	7.6				
	CLA D3	3.4	3.312	14.5	7.7	1.84	22.28	3.67	
	D4							(G)	
	D5								
16	FCL D1	0.0	2.074	13.4	7.7				
	FCL D2	2.7	0.829	12.5	7.6				
	CLA D3	3.4	3.312	14.3	7.6	1.89	24.98	3.77	
	D4							(G)	
	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: [Signature]

Certificate No.
and Grade: W00011192, B

Date: February 5, 2015

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 Water System

PLANT NAME

OR NUMBER: RIVER PLACE WTP

PWS ID No.: 2270252

Month:

January

Year: 2015

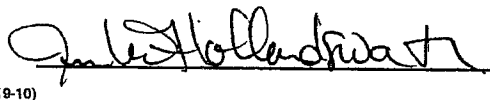
DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS			
Parameters	Disinfection Zones					Log Inactivations			
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Virus	
Flow Rate (MGD)	2.290	0.916	5.760			0.5		2.0	
T ₁₀ (minutes)	40.4	8.4	111.8						

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	2.074	13.4	7.7				
	FCL D2	2.7	0.829	12.0	7.7				
	CLA D3	3.1	3.312	15.2	7.7	1.79	24.30	3.59	
	D4							(G)	
	D5								
18	FCL D1	0.0	2.074	13.1	7.7				
	FCL D2	2.7	0.829	12.3	7.7				
	CLA D3	3.3	3.312	15.3	7.7	1.88	24.47	3.75	
	D4							(G)	
	D5								
19	FCL D1	0.0	2.074	12.9	7.7				
	FCL D2	2.9	0.829	11.5	7.6				
	CLA D3	3.2	3.312	14.3	7.7	1.78	24.55	3.57	
	D4							(G)	
	D5								
20	FCL D1	0.0	2.074	14.0	7.7				
	FCL D2	3.3	0.829	12.5	7.6				
	CLA D3	3.4	3.312	15.3	7.6	2.05	30.25	4.10	
	D4							(G)	
	D5								
21	FCL D1	0.0	2.074	13.8	7.7				
	FCL D2	2.5	0.829	13.3	7.8				
	CLA D3	3.7	3.312	16.4	7.6	2.11	25.10	4.23	
	D4							(G)	
	D5								
22	FCL D1	0.0	2.074	11.6	7.7				
	FCL D2	3.3	0.829	11.5	7.6				
	CLA D3	3.2	3.312	19.7	7.5	2.25	28.85	4.50	
	D4							(G)	
	D5								
23	FCL D1	0.0	2.074	9.8	7.8				
	FCL D2	2.8	0.829	10.3	7.6				
	CLA D3	3.1	3.312	15.1	7.6	1.74	22.59	3.49	
	D4							(G)	
	D5								
24	FCL D1	0.0	2.074	13.3	7.7				
	FCL D2	3.0	0.829	10.9	7.6				
	CLA D3	3.0	3.312	17.3	7.6	1.90	25.11	3.79	
	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	2.074	16.7	7.7				
	FCL D2	2.8	0.829	13.4	7.5				
	CLA D3	3.0	3.312	16.8	7.6	1.97	27.76	3.93	
	D4							(G)	
	D5								
26	FCL D1	0.0	2.074	13.8	7.7				
	FCL D2	3.3	0.829	12.8	7.6				
	CLA D3	3.1	3.312	15.4	7.7	1.92	30.39	3.85	
	D4							(G)	
	D5								
27	FCL D1	0.0	2.074	14.6	7.7				
	FCL D2	2.9	0.829	13.5	7.6				
	CLA D3	3.3	3.312	14.4	7.7	1.93	28.24	3.85	
	D4							(G)	
	D5								
28	FCL D1	0.0	2.074	15.4	7.7				
	FCL D2	2.8	0.829	14.9	7.5				
	CLA D3	3.4	3.312	16.8	7.6	2.19	30.10	4.38	
	D4							(G)	
	D5								
29	FCL D1	0.0	2.074	15.3	7.6				
	FCL D2	3.2	0.829	14.5	7.5				
	CLA D3	3.3	3.312	17.5	7.6	2.27	33.75	4.54	
	D4							(G)	
	D5								
30	FCL D1	0.0	2.074	14.5	7.5				
	FCL D2	3.6	0.829	13.3	7.5				
	CLA D3	3.2	3.312	17.0	7.7	2.18	34.05	4.35	
	D4							(G)	
	D5								
31	FCL D1	0.0	2.074	13.1	7.6				
	FCL D2	3.5	0.829	12.5	7.6				
	CLA D3	3.0	3.312	15.4	7.7	1.92	31.69	3.84	
	D4							(G)	
	D5								
						Max	2.27	34.05	
						Min	1.45	17.49	
						Avg	1.87	24.84	
						SD	0.19	4.36	

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: WO0011192, B

Date: February 5, 2015

TCEQ - 0102C (07-19-10)

PAGE 5

SWMOR

COA Resp to PUC RFI-1116

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 Water System
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: January Year: 2015

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										
1	1/15	167	3.76	3.03	19.4	15	1.29			1.29
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		167.00	3.76	3.03	19.41		1.29			1.29
Max		167.00	3.76	3.03	19.41		1.29			1.29
Min		167.00	3.76	3.03	19.41		1.29			1.29

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
167	3.76	3.03	19.4	NA	1.29

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: WO0011192, B

Date: February 5, 2015

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 Water System
PWS ID No.: 2270252

PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: January Year: 2015

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	
	1.35	

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: [Signature]

Certificate No. and Grade: W00011192, B

Date: February 5, 2015

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: February 2015

Certificate No. & Grade: WS0011192, B

Date: March 6, 2015

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:	0.08 NTU
	Minimum turbidity reading:	0.07 NTU	Standard deviation:	0.004 NTU
	CFE 95 th percentile value:	0.08 NTU	IFE 95 th percentile:	0.131 NTU
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.05	
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	34.60	
		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:	34	(at least 28 required) (8)	
Average disinfectant residual value:	1.57	Percentage of readings with a low residual this month:	0.0 % (5A)
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 % (5B)

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
Additional report(s) for individual filter monitoring submitted:	☒ NONE	☐ Filter Profile (9)	☐ Filter Assessment (10)
No additional IFE Reports are required this month.			
		☐ CPE	☐ CPE (11)

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:

1,406

Month:

February

Year: 2015

Population:

4,218

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	Time	
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6	Residual		
1	0.341	0.355	5	179	0.4	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.8	
2	0.351	0.363	4	178	0.5	0.7						0.08	0.08	0.08	0.08	0.08	0.08	1.9	
3	0.362	0.375	5	178	0.8	0.7						0.08	0.08	0.08	0.08	0.08	0.08	2.8	
4	0.466	0.472	5	180	0.6	0.4						0.08	0.08	0.08	0.08	0.08	0.08	2.7	
5	0.349	0.362	5	183	1.2	0.5						0.08	0.08	0.08	0.08	0.08	0.07	2.9	
6	0.402	0.376	4	172	0.7	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
7	0.341	0.321	5	172	0.9	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
8	0.428	0.467	5	176	0.5	0.2						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
9	0.281	0.252	5	180	0.8	0.9						0.08	0.08	0.08	0.08	0.08	0.08	2.0	
10	0.467	0.484	6	175	0.5	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
11	0.417	0.433	7	174	0.7	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
12	0.580	0.549	6	177	0.8	0.6						0.07	0.07	0.07	0.07	0.07	0.07	2.1	
13	0.403	0.384	7	176	0.6	0.2						0.07	0.07	0.07	0.07	0.07	0.07	2.7	
14	0.356	0.372	6	176	0.5	0.3						0.07	0.07	0.07	0.07	0.07	0.07	2.1	
15	0.367	0.420	6	174	0.8	0.6						0.07	0.07	0.07	0.07	0.07	0.07	2.7	
16	0.293	0.264	5	183	0.7	0.4						0.07	0.07	0.07	0.07	0.07	0.07	2.7	
17	0.441	0.451	4	184	1.0	1.0						0.08	0.07	0.07	0.07	0.07	0.07	2.6	
18	0.468	0.430	5	182	0.6	0.4						0.07	0.07	0.08	0.08	0.08	0.08	2.5	
19	0.423	0.423	5	184	0.6	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.6	
20	0.396	0.408	3	181	0.5	0.3						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
21	0.352	0.365	5	178	0.5	0.2						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
22	0.381	0.375	4	181	0.8	0.5						0.08	0.08	0.08	0.08	0.08	0.08	2.9	
23	0.363	0.309	5	179	1.0	1.2						0.08	0.08	0.08	0.08	0.07	0.08	2.7	
24	0.486	0.474	4	182	1.2	1.5						0.08	0.07	0.07	0.07	0.07	0.07	3.1	
25	0.427	0.436	4	182	0.6	0.2						0.07	0.08	0.08	0.08	0.08	0.08	2.2	
26	0.420	0.404	5	181	0.7	0.3						0.08	0.08	0.08	0.08	0.08	0.08	3.4	
27	0.289	0.271	5	187	0.7	0.8						0.08	0.08	0.08	0.08	0.08	0.08	3.3	
28	0.442	0.425	4	185	0.9	1.2						0.08	0.08	0.08	0.08	0.08	0.08	2.2	
29																			
30																			
31																			
Total	11.092	11.020																	
Avg	0.396	0.394																	
Max	0.580	0.549																	
Min	0.281	0.252																	
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:

[Signature]

Certificate No.
and Grade:

WS0011192, B

Date: March 6, 2015

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: February Year: 2015

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	0.06	x	0.04	x	0.06	x	0.07	x	0.07	x										
2	0.06	x	0.04	x	0.05	x	0.05	x	0.04	x										
3	0.06	x	0.04	x	0.05	x	0.05	x	0.04	x										
4	0.08	x	0.05	x	0.05	x	0.05	x	0.05	x										
5	0.08	x	0.07	x	0.05	x	0.04	x	0.04	x										
6	0.07	x	0.08	x	0.08	x	0.04	x	0.05	x										
7	0.08	x	0.08	x	0.05	x	0.04	x	0.05	x										
8	0.06	x	0.08	x	0.05	x	0.05	x	0.05	x										
9	0.07	x	0.07	x	0.05	x	0.04	x	0.04	x										
10	0.08	x	0.03	x	0.05	x	0.05	x	0.05	x										
11	0.07	x	0.03	x	0.04	x	0.04	x	0.04	x										
12	0.08	x	0.05	x	0.05	x	0.04	x	0.05	x										
13	0.08	x	0.05	x	0.06	x	0.04	x	0.07	x										
14	0.07	x	0.06	x	0.05	x	0.04	x	0.04	x										
15	0.07	x	0.05	x	0.05	x	0.04	x	0.04	x										
16	0.07	x	0.06	x	0.06	x	0.04	x	0.04	x										
17	0.09	x	0.07	x	0.09	x	0.05	x	0.04	x										
18	0.07	x	0.18	x	0.08	x	0.06	x	0.07	x										
19	0.09	x	0.14	x	0.06	x	0.05	x	0.04	x										
20	0.07	x	0.03	x	0.05	x	0.05	x	0.05	x										
21	0.07	x	0.06	x	0.04	x	0.04	x	0.05	x										
22	0.07	x	0.03	x	0.05	x	0.05	x	0.08	x										
23	0.11	x	0.06	x	0.16	x	0.08	x	0.08	x										
24	0.09	x	0.06	x	0.13	x	0.05	x	0.07	x										
25	0.12	x	0.09	x	0.09	x	0.05	x	0.07	x										
26	0.12	x	0.09	x	0.09	x	0.05	x	0.09	x										
27	0.07	x	0.09	x	0.16	x	0.07	x	0.17	x										
28	0.09	x	0.05	x	0.14	x	0.07	x	0.16	x										
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						
	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: WS0011192, B Date: March 6, 2015

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

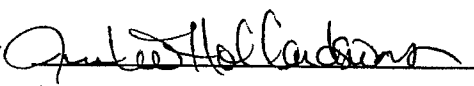
PLANT NAME
OR NUMBER: RIVER PLACE WTP
Month: February Year: 2015

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	2.074	15.3	7.6				
	FCL D2	3.5	0.829	14.0	7.5				
	CLA D3	3.2	3.312	17.4	7.6	2.22	34.95	4.44	
	D4							(G)	
	D5								
2	FCL D1	0.0	2.074	13.5	7.6				
	FCL D2	3.8	0.829	13.0	7.5				
	CLA D3	2.5	3.312	17.4	7.6	1.92	34.96	3.83	
	D4							(G)	
	D5								
3	FCL D1	0.0	2.074	12.9	7.6				
	FCL D2	3.9	0.829	12.1	7.5				
	CLA D3	2.7	3.312	17.4	7.4	1.96	33.54	3.91	
	D4							(G)	
	D5								
4	FCL D1	0.0	2.074	13.2	7.6				
	FCL D2	3.9	0.829	12.1	7.5				
	CLA D3	2.7	3.312	15.4	7.6	1.84	33.48	3.68	
	D4							(G)	
	D5								
5	FCL D1	0.0	2.074	12.6	7.7				
	FCL D2	3.0	0.829	12.0	7.6				
	CLA D3	2.8	3.312	16.9	7.5	1.82	26.39	3.65	
	D4							(G)	
	D5								
6	FCL D1	0.0	2.074	15.1	7.7				
	FCL D2	2.8	0.829	13.7	7.6				
	CLA D3	2.8	3.312	17.2	7.6	1.89	27.62	3.78	
	D4							(G)	
	D5								
7	FCL D1	0.0	2.074	15.3	7.7				
	FCL D2	3.3	0.829	13.4	7.6				
	CLA D3	2.9	3.312	16.8	7.5	1.97	31.82	3.95	
	D4							(G)	
	D5								
8	FCL D1	0.0	2.074	18.6	7.7				
	FCL D2	3.3	0.829	15.5	7.6				
	CLA D3	2.7	3.312	18.5	7.5	2.11	36.68	4.23	
	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
9	FCL D1	0.0	2.074	14.5	7.6				
	FCL D2	3.2	0.829	13.9	7.5				
	CLA D3	3.0	3.312	16.9	7.7	2.05	31.89	4.10	
	D4							(G)	
	D5								
10	FCL D1	0.0	2.074	16.2	7.5				
	FCL D2	3.5	0.829	15.7	7.5				
	CLA D3	3.0	3.312	17.2	7.9	2.22	38.83	4.43	
	D4							(G)	
	D5								
11	FCL D1	0.0	2.074	16.3	7.6				
	FCL D2	3.8	0.829	17.5	7.6				
	CLA D3	3.1	3.312	17.0	7.6	2.39	46.86	4.78	
	D4							(G)	
	D5								
12	FCL D1	0.0	2.074	16.2	7.5				
	FCL D2	3.7	0.829	15.4	7.4				
	CLA D3	3.2	3.312	16.4	7.6	2.32	40.52	4.65	
	D4							(G)	
	D5								
13	FCL D1	0.0	2.074	17.6	7.6				
	FCL D2	3.7	0.829	15.7	7.4				
	CLA D3	3.2	3.312	15.5	7.6	2.28	40.91	4.56	
	D4							(G)	
	D5								
14	FCL D1	0.0	2.074	17.2	7.5				
	FCL D2	3.6	0.829	16.6	7.4				
	CLA D3	3.0	3.312	18.1	7.6	2.40	42.63	4.81	
	D4							(G)	
	D5								
15	FCL D1	0.0	2.074	15.0	7.5				
	FCL D2	3.9	0.829	14.8	7.5				
	CLA D3	2.9	3.312	17.6	7.7	2.23	40.48	4.47	
	D4							(G)	
	D5								
16	FCL D1	0.0	2.074	13.4	7.7				
	FCL D2	3.9	0.829	14.1	7.5				
	CLA D3	2.6	3.312	17.0	7.6	2.00	38.28	4.00	
	D4							(G)	
	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 
TCEQ - 0102C (07-19-10)

Certificate No. WS0011192, B Date: March 6, 2015

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: 2015

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	2.074	12.8	7.7				
	FCL D2	3.2	0.829	12.9	7.5				
	CLA D3	2.5	3.312	16.8	7.6	1.78	29.76	3.57	
	D4							(G)	
	D5								
18	FCL D1	0.0	2.074	14.9	7.7				
	FCL D2	3.0	0.829	15.7	7.6				
	CLA D3	2.5	3.312	16.7	7.5	1.85	33.12	3.70	
	D4							(G)	
	D5								
19	FCL D1	0.0	2.074	16.7	7.8				
	FCL D2	3.1	0.829	15.7	7.6				
	CLA D3	2.5	3.312	16.7	7.6	1.86	33.93	3.72	
	D4							(G)	
	D5								
20	FCL D1	0.0	2.074	17.2	7.8				
	FCL D2	3.4	0.829	15.7	7.6				
	CLA D3	3.0	3.312	17.4	7.5	2.19	38.06	4.39	
	D4							(G)	
	D5								
21	FCL D1	0.0	2.074	18.1	7.5				
	FCL D2	3.3	0.829	16.5	7.4				
	CLA D3	2.9	3.312	19.2	7.5	2.41	39.49	4.81	
	D4							(G)	
	D5								
22	FCL D1	0.0	2.074	16.3	7.7				
	FCL D2	3.8	0.829	15.1	7.6				
	CLA D3	2.7	3.312	20.1	7.5	2.29	40.24	4.58	
	D4							(G)	
	D5								
23	FCL D1	0.0	2.074	12.6	7.7				
	FCL D2	3.4	0.829	12.3	7.6				
	CLA D3	3.2	3.312	15.1	7.7	1.95	30.29	3.89	
	D4							(G)	
	D5								
24	FCL D1	0.0	2.074	12.9	7.7				
	FCL D2	3.3	0.829	12.3	7.5				
	CLA D3	3.2	3.312	14.4	7.6	1.92	29.67	3.83	
	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	2.074	16.4	7.7				
	FCL D2	3.3	0.829	15.3	7.6				
	CLA D3	3.2	3.312	15.7	7.7	2.11	35.55	4.22	
	D4							(G)	
	D5								
26	FCL D1	0.0	2.074	14.4	7.6				
	FCL D2	2.9	0.829	13.4	7.6				
	CLA D3	3.4	3.312	14.4	7.7	1.95	27.98	3.90	
	D4							(G)	
	D5								
27	FCL D1	0.0	2.074	12.0	7.5				
	FCL D2	3.1	0.829	12.1	7.5				
	CLA D3	3.2	3.312	13.8	7.7	1.84	27.12	3.68	
	D4							(G)	
	D5								
28	FCL D1	0.0	2.074	11.8	7.7				
	FCL D2	3.0	0.829	10.3	7.6				
	CLA D3	3.2	3.312	13.8	7.7	1.73	23.69	3.47	
	D4							(G)	
	D5								
29	D1								
	D2								
	D3								
	D4								
	D5								
30	D1								
	D2								
	D3								
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
						Max	2.41	46.86	
						Min	1.73	23.69	
						Avg	2.05	34.60	
						SD	0.20	5.51	

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

SUBMITTED BY: [Signature] Certificate No. WS0011192, B and Grade: WS0011192, B Date: March 6, 2015
TCEQ - 0102C (07-19-10) PAGE 5 SWMOR
COA Resp to PUC RFI-1109

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

Type of
treatment: ☒ Conventional

PLANT NAME
OR NUMBER: RIVER PLACE WTP

Month: February

Year: 2015

☐ Unconventional
explain:

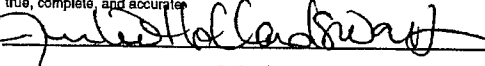
Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

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	2/3	175	3.38	2.69	20.4	15	1.36			1.36
2										
3										
4										
5										
6										
7										
8										
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27										
28										
29										
30										
31										
Avg		175.00	3.38	2.69	20.41		1.36			1.36
Max		175.00	3.38	2.69	20.41		1.36			1.36
Min		175.00	3.38	2.69	20.41		1.36			1.36

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
175	3.38	2.69	20.4	NA	1.36

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: WS0011192, B

Date: March 6, 2015

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: 2015

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	
	1.45	

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: WS0011192, B

Date: March 6, 2015