

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: City of Wichita Falls

PLANT NAME

OR NUMBER:

Cypress DPR (Microfiltration/RO)

PWS ID No.: 2430001

Plant ID No.: 410791

Report for
the Month of: January 2015

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: W00023530, A Surface

Date: February 10, 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>11</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>0.16</u> NTU	Average turbidity value:	<u>0.08</u> NTU
	Minimum turbidity reading: <u>0.05</u> NTU	Standard deviation:	<u>0.018</u> NTU
	CFE 95 th percentile value: <u>0.11</u> NTU	IFE 95 th percentile:	<u>0.279</u> NTU

Bin Class: <u>4</u>	Crypto Credit Required: <u>5.5</u> (7A)	Crypto Credit Achieved: <u>7.3</u> (7B)	Bin 3&4 Credits: <u>2.8</u> (7C)
Watershed Protection:	<u>0.0</u>	Conventional Treatment:	<u>3.0</u>
Bank Filtration:	<u>0.0</u>	Enhanced Filter Performance:	<u>1.0</u>
Presedimentation with Coagulation:	<u>0.0</u>	Bag and Cartridge Filtration:	<u>0.0</u>
Two-Stage Lime Softening:	<u>0.0</u>	Membrane Filtration:	<u>2.8</u>
		Second Stage Filtration:	<u>0.0</u>
		UV:	<u>0.0</u>
		Ozone, Chlorine Dioxide:	<u>0.0</u>
		Perform. Demonstration:	<u>0.5</u>

Number of days with a low CT for no more than 4.0 consecutive hours:	<u>0</u>	Average log inactivation for Giardia:	<u>6.54</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>17.14</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>175</u> (at least 100 required) (8)		
Average disinfectant residual value:	<u>3.28</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 ☐ CPF

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.

P.2-Turbidity Data P.3-Filter Data P.4&5-Disinfection Data P.6-TOCMOR

Enhanced IFE Worksheet

Alternate Technol.

Membranes-PBT

Performance Demonstration

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

RECEIVED

FEB 10 2015

TCEQ

PDW/IKOT

This edition of the SWMOR-Alt was customized by the TCEQ on 05/18/14 for use during the City of Wichita Falls Temporary Directable Filter Project.

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:

City of Wichita Falls

PLANT NAME
OR NUMBER:

Cypress DPR (Microfiltration/RO)

PWS ID No.:

2430001

Plant ID No.:

410791

Connections:

33,344

Month:

January

Year:

2015

Population:

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Optional Data)						FINISHED WATER QUALITY							
			NTU	Alk.	Basin No.						Combined Filter Effluent Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	5.000	9.560	4	57	2.1	1.4					0.09	0.09	0.09	0.08	0.08	0.08	3.5	
2	5.000	8.700	4	56	2.1	1.3					0.08	0.08	0.08	0.08	0.09	0.11	3.5	
3	5.000	10.040	6	72	2.1	2.0					0.10	0.10	0.10	0.10	0.09	0.09	3.8	
4	5.000	10.510	3	63	2.1	2.3					0.09	0.09	0.10	0.09	0.09	0.09	3.9	
5	5.000	9.680	5	64	2.0	2.1					0.09	0.09	0.08	0.08	0.08	0.08	3.9	
6	5.000	10.650	3	59	1.9	3.2					0.08	0.08	0.09	0.09	0.08	0.08	3.9	
7	5.000	8.520	4	68	3.1	20.0					0.08	0.08	0.11	0.11	0.16	0.13	3.6	
8	5.000	7.600	5	76	2.2	7.6					0.11	0.10	0.10	0.09	0.10	0.09	3.5	
9	5.000	9.030	2	81	1.9	2.1					0.08	0.08	0.08	0.08	0.09	0.09	3.5	
10	5.000	9.390	3	74	1.5	2.8					0.09	0.09	0.08	0.10	0.10	0.09	3.6	
11	5.000	8.160	2	71	1.8	2.6					0.08	0.09	0.09	0.09	0.09	0.08	3.6	
12	4.000	8.210	3	68	1.8	2.3					0.06	0.06	0.06	0.06	0.06	0.07	3.4	
13	4.000	7.750	3	73	1.9	2.1					0.06	0.06	0.05	0.05	0.06	0.07	3.5	
14	4.000	7.800	3	78	1.5	1.5					0.06	0.06	0.05	0.05	0.06	0.06	3.4	
15	4.000	7.610	2	79	1.8	3.2					0.06	0.06	0.08	0.06	0.07	0.09	3.3	
16	5.000	8.130	2	82	1.5	5.3					0.12	0.14	0.13	0.11	0.13	0.09	3.3	
17	4.000	7.570	2	89	1.8	4.5					0.07	0.08	0.06	0.06	0.06	0.07	3.3	
18	4.000	7.650	2	79	1.6	1.9					0.05	0.06	0.05	0.06	0.06	0.05	3.3	
19	4.000	8.070	3	76	1.7	1.5					0.06	0.05	0.05	0.05	0.07	0.07	3.2	
20	4.000	8.620	2	82	2.0	1.3					0.07	0.08	0.07	0.06	0.07	0.07	3.1	
21	4.000	6.230	2	92	1.5	1.2					0.07	0.07	0.07	0.07	0.07	0.07	3.1	
22	5.000	8.890	4	94	2.5	1.9					0.06	0.07	0.07	0.07	0.07	0.07	3.1	
23	5.000	9.230	2	97	2.7	1.2					0.07	0.06	0.06	0.06	0.06	0.06	3.1	
24	4.000	8.470	2	90	2.1	1.3					0.06	0.07	0.07	0.06	0.06	0.06	3.3	
25	4.000	7.400	2	92	2.2	1.0					0.07	0.07	0.07	0.08	0.08	0.08	3.3	
26	5.000	9.260	2	85	2.2	1.1					0.07	0.07	0.06	0.06	0.07	0.09	3.3	
27	5.000	9.290	2	68	1.8	1.4					0.08	0.08	0.08	0.09	0.08	0.08	3.2	
28	5.000	10.280	1	88	2.4	1.4					0.09	0.08	0.08	0.08	0.06	0.06	3.7	
29	5.000	10.270	2	73	1.7	1.8					0.08	0.07	0.07	0.07	0.08	0.09	3.7	
30	5.000	9.650	2	80	1.5	1.1					0.07	0.08	0.07	0.07	0.07	0.08	3.7	
31	5.000	9.680	4	85	1.3	1.0					0.07	0.07	0.06	0.06	0.07	0.07	3.7	
Total	144.000	271.900																
Avg	4.645	8.771																
Max	5.000	10.650																
Min	4.000	6.230																

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:

W00023530, A Surface

Date:

February 10, 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: City of Wichita Falls

PLANT NAME

OR NUMBER: Cypress DPR (Microfiltration/RO)

PWS ID No.: 2430001

Plant ID No.: 410791

Month:

January

Year: 2015

PERFORMANCE DATA

Date	INDIVIDUAL FILTER TURBIDITY																			
	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.10	x	0.09	x	0.09	x	0.09	x	0.10	x										
2	0.09	x	0.08	x	0.19	0.17	0.34	0.15	0.09	x										
3	0.09	x	0.21	0.13	0.12	x	0.14	x	0.09	x										
4	0.35	0.13	0.11	x	0.10	x	0.10	x	0.24	0.12										
5	0.10	x	0.09	x	0.09	x	0.09	x	0.11	x										
6	0.09	x	0.08	x	0.09	x	0.09	x	0.09	x										
7	0.27	0.15	0.27	x	0.29	x	0.27	0.15	0.26	0.09										
8	0.12	x	0.10	x	0.32	0.15	0.12	x	0.12	x										
9	0.08	x	0.27	0.13	0.11	x	0.13	x	0.08	x										
10	0.10	x	0.11	x	0.10	x	0.32	0.14	0.12	x										
11	0.19	x	0.09	x	0.10	x	0.12	x	0.24	x										
12	0.06	x	0.06	x	0.19	x	0.07	x	0.08	x										
13	0.06	x	0.26	x	0.10	x	0.07	x	0.06	x										
14	0.05	x	0.08	x	0.07	x	0.24	0.09	0.05	x										
15	0.21	0.08	0.10	x	0.11	x	0.12	x	0.29	0.20										
16	0.18	x	0.16	x	0.32	0.09	0.16	x	0.02	x										
17	0.09	x	0.07	x	0.13	x	0.09	x	0.09	x										
18	0.06	x	0.26	0.08	0.07	x	0.23	x	0.06	x										
19	0.10	0.09	0.06	x	0.08	x	0.10	x	0.05	x										
20	0.08	x	0.06	x	0.07	x	0.08	x	0.24	0.08										
21	0.07	x	0.06	x	0.22	0.10	0.08	x	0.07	x										
22	0.07	x	0.19	0.09	0.10	x	0.09	x	0.08	x										
23	0.16	0.08	0.07	x	0.07	x	0.25	0.09	0.06	x										
24	0.07	x	0.06	x	0.23	0.06	0.08	x	0.16	0.08										
25	0.07	x	0.06	x	0.23	0.07	0.08	x	0.16	0.08										
26	0.20	0.10	0.07	x	0.08	x	0.19	0.10	0.07	x										
27	0.12	x	0.18	0.09	0.19	0.09	0.19	x	0.30	0.08										
28	0.10	x	0.08	x	0.09	x	0.11	0.08	0.11	x										
29	0.07	x	0.13	0.08	0.14	0.10	0.15	0.10	0.09	x										
30	0.19	0.09	0.07	x	0.09	x	0.11	x	0.06	x										
31	0.07	x	0.19	0.09	0.08	x	0.08	x	0.12	0.08										

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	0	0	0	0	0						
	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 events above 2.0 NTU this month											0
	Number of events 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:

WO0023530, A Surface

Date:

February 10, 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: City of Wichita Falls

PLANT NAME
OR NUMBER: Cypress DPR (Microfiltration/RO)

PWS ID No.: 2430001

Plant ID No.: 410791

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)	7.500	7.500	3.308	10.000	10.000	2.0	5.0
T ₁₀ (minutes)	357.0	223.2	5.6	67.1	223.3		

PERFORMANCE DATA

DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	CLA D1	2.5	4.800	11.8	6.5				
	CLA D2	2.4	4.800	11.6	6.4				
	CLA D3	2.1	2.200	13.2	6.7	5.65	9.57	1.91	
	CLA D4	3.7	10.000	9.3	9.1			(V)	
	CLA D5	3.2	10.000	10.8	9.1				
2	CLA D1	2.8	4.800	12.8	6.6				
	CLA D2	2.0	4.800	12.6	6.4				
	CLA D3	2.4	2.200	12.9	6.7	6.16	10.59	2.12	
	CLA D4	4.1	10.000	10.1	9.1			(V)	
	CLA D5	3.9	10.000	10.0	9.1				
3	CLA D1	2.6	4.800	12.2	6.6				
	CLA D2	1.9	4.800	13.6	6.5				
	CLA D3	3.6	2.200	15.1	6.7	6.00	10.26	2.05	
	CLA D4	3.9	10.000	9.4	9.1			(V)	
	CLA D5	4.3	10.000	9.8	9.0				
4	CLA D1	2.5	4.500	13.1	6.6				
	CLA D2	3.1	4.500	12.9	6.4				
	CLA D3	2.8	2.200	13.5	6.7	6.73	11.41	2.28	
	CLA D4	3.9	10.000	6.3	9.1			(V)	
	CLA D5	4.0	10.000	6.9	9.0				
5	CLA D1	3.1	4.800	13.3	6.6				
	CLA D2	2.5	4.800	12.8	6.4				
	CLA D3	2.8	2.200	13.6	6.7	6.79	11.76	2.35	
	CLA D4	3.9	10.000	9.1	9.2			(V)	
	CLA D5	3.8	10.000	9.6	9.1				
6	CLA D1	3.0	4.700	12.8	6.6				
	CLA D2	2.4	4.700	12.9	6.4				
	CLA D3	2.2	2.200	13.1	6.8	6.86	11.72	2.34	
	CLA D4	4.2	10.000	7.4	8.9			(V)	
	CLA D5	4.4	10.000	9.4	8.9				
7	CLA D1	2.9	4.800	11.9	6.6				
	CLA D2	2.4	4.800	11.7	6.6				
	CLA D3	2.3	2.200	12.8	6.7	5.68	9.39	1.88	
	CLA D4	3.9	10.000	5.8	9.2			(V)	
	CLA D5	2.7	10.000	6.0	8.9				
8	CLA D1	2.6	4.800	9.9	6.7				
	CLA D2	2.0	4.800	10.6	6.6				
	CLA D3	2.1	2.200	12.4	6.7	5.39	8.54	1.71	
	CLA D4	3.9	10.000	6.1	9.0			(V)	
	CLA D5	4.1	10.000	7.3	9.0				

PERFORMANCE DATA

DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	CLA D1	3.2	4.800	11.4	6.7				
	CLA D2	1.7	4.800	12.0	6.7				
	CLA D3	2.0	2.200	129.0	6.9	5.91	184.31	2.96	
	CLA D4	3.2	10.000	7.9	9.2			(V)	
	CLA D5	3.7	10.000	8.5	9.3				
10	CLA D1	2.1	4.800	11.8	6.8				
	CLA D2	3.9	4.800	12.7	6.9				
	CLA D3	2.6	2.200	13.7	7.0	6.57	11.11	2.22	
	CLA D4	4.1	10.000	9.4	9.2			(V)	
	CLA D5	4.1	10.000	8.7	9.1				
11	CLA D1	2.9	4.800	13.1	6.7				
	CLA D2	2.1	4.800	12.8	6.6				
	CLA D3	1.8	2.200	13.5	6.9	6.57	11.20	2.24	
	CLA D4	3.5	8.000	8.9	9.1			(V)	
	CLA D5	3.7	8.000	8.7	9.1				
12	CLA D1	3.0	4.800	12.9	6.7				
	CLA D2	2.8	4.800	13.1	6.5				
	CLA D3	2.1	2.200	13.7	6.8	7.27	12.42	2.48	
	CLA D4	3.9	8.000	8.2	9.3			(V)	
	CLA D5	3.9	8.000	8.9	9.2				
13	CLA D1	3.2	4.800	11.4	6.6				
	CLA D2	2.0	4.800	11.5	6.5				
	CLA D3	2.3	2.200	12.3	6.8	6.55	10.74	2.15	
	CLA D4	3.5	8.000	8.0	9.2			(V)	
	CLA D5	3.9	8.000	7.9	9.2				
14	CLA D1	2.9	4.800	11.9	6.7				
	CLA D2	2.0	4.800	11.6	6.5				
	CLA D3	2.0	2.200	12.8	6.7	5.94	9.96	1.99	
	CLA D4	3.1	8.000	8.9	9.2			(V)	
	CLA D5	3.0	8.000	9.1	9.2				
15	CLA D1	2.9	4.800	13.8	6.7				
	CLA D2	3.6	4.800	13.3	6.5				
	CLA D3	3.9	2.200	14.2	6.7	7.66	13.30	2.66	
	CLA D4	3.3	8.000	9.0	9.2			(V)	
	CLA D5	3.6	8.000	8.7	9.2				
16	CLA D1	1.7	4.800	13.4	6.7				
	CLA D2	5.4	4.800	13.8	6.5				
	CLA D3	1.6	2.200	14.9	6.7	7.23	12.64	2.53	
	CLA D4	3.9	10.000	9.1	9.0			(V)	
	CLA D5	3.6	10.000	8.9	9.0				

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: WO0023530, A Surface

Date: February 10, 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: City of Wichita Falls PLANT NAME OR NUMBER: Cypress DPR (Microfiltration/RO)
PWS ID No.: 2430001 Plant ID No.: 410791 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)	7.50	7.50	3.31	10.00	10.00	2.0	5.0
T ₁₀ (minutes)	357.00	223.20	5.60	67.10	223.30		

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
17	CLA D1	3.2	4.800	12.7	6.8				
	CLA D2	2.0	4.800	12.5	6.6				
	CLA D3	1.0	2.200	13.2	6.8	6.81	11.41	2.28	
	CLA D4	3.9	8.000	8.1	9.2			(V)	
	CLA D5	4.0	8.000	7.3	9.1				
18	CLA D1	2.8	4.800	15.8	6.7				
	CLA D2	1.8	4.800	15.1	6.6				
	CLA D3	1.6	2.200	15.1	6.8	7.00	12.76	2.55	
	CLA D4	3.4	8.000	12.9	9.0			(V)	
	CLA D5	3.7	8.000	11.0	9.0				
19	CLA D1	3.5	4.900	15.7	6.9				
	CLA D2	2.4	4.900	15.4	6.7				
	CLA D3	2.5	2.200	16.4	6.7	8.05	14.78	2.96	
	CLA D4	3.5	8.000	11.7	9.1			(V)	
	CLA D5	3.4	8.000	11.5	9.1				
20	CLA D1	2.0	4.800	17.7	6.8				
	CLA D2	4.0	4.800	17.0	6.6				
	CLA D3	2.1	2.200	16.9	6.9	8.02	14.82	2.96	
	CLA D4	3.6	8.000	9.6	9.1			(V)	
	CLA D5	3.7	8.000	9.1	9.0				
21	CLA D1	3.1	4.800	16.6	6.9				
	CLA D2	2.5	4.800	16.8	6.8				
	CLA D3	3.1	2.200	16.8	6.9	8.06	15.11	3.02	
	CLA D4	3.8	8.000	11.9	9.0			(V)	
	CLA D5	3.1	8.000	12.6	9.0				
22	CLA D1	3.1	7.000	13.0	6.8				
	CLA D2	2.4	7.000	13.2	6.8				
	CLA D3	2.4	2.200	17.8	7.1	5.41	9.40	1.88	
	CLA D4	4.3	10.000	10.7	9.0			(V)	
	CLA D5	4.0	10.000	10.9	9.0				
23	CLA D1	3.8	6.900	11.8	6.8				
	CLA D2	2.9	6.900	14.3	6.7				
	CLA D3	2.7	2.200	15.1	6.9	6.12	10.74	2.15	
	CLA D4	4.2	10.000	11.7	9.1			(V)	
	CLA D5	3.7	10.000	12.6	9.0				
24	CLA D1	3.8	7.000	15.0	6.8				
	CLA D2	2.8	7.000	14.6	6.7				
	CLA D3	3.1	2.200	15.8	6.9	6.38	11.48	2.30	
	CLA D4	3.7	10.000	11.0	9.0			(V)	
	CLA D5	4.0	10.000	10.9	9.0				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
25	CLA D1	3.2	4.900	15.4	6.8				
	CLA D2	2.4	4.900	15.1	6.7				
	CLA D3	3.2	2.200	15.4	7.1	7.50	13.67	2.73	
	CLA D4	4.0	10.000	10.3	9.0			(V)	
	CLA D5	4.1	10.000	11.5	9.0				
26	CLA D1	3.5	7.000	17.5	6.8				
	CLA D2	1.9	7.000	16.9	6.7				
	CLA D3	1.7	2.200	17.3	7.1	5.99	11.23	2.25	
	CLA D4	3.4	10.000	10.0	9.1			(V)	
	CLA D5	3.5	10.000	12.1	9.0				
27	CLA D1	3.6	7.000	16.6	6.9				
	CLA D2	2.7	7.000	16.3	6.6				
	CLA D3	2.4	2.200	16.3	7.0	6.55	12.12	2.42	
	CLA D4	4.0	10.000	11.1	9.1			(V)	
	CLA D5	3.9	10.000	11.6	9.1				
28	CLA D1	3.6	6.800	16.7	6.8				
	CLA D2	2.6	6.800	17.0	6.6				
	CLA D3	3.1	2.200	17.8	6.9	6.71	12.66	2.53	
	CLA D4	4.0	10.000	14.2	9.2			(V)	
	CLA D5	3.5	10.000	13.1	9.1				
29	CLA D1	3.3	6.700	16.7	7.1				
	CLA D2	2.9	6.700	16.9	6.7				
	CLA D3	2.5	2.200	17.7	7.1	6.60	12.47	2.49	
	CLA D4	3.4	10.000	14.1	9.2			(V)	
	CLA D5	3.5	10.000	13.4	9.2				
30	CLA D1	3.8	6.700	16.6	6.9				
	CLA D2	2.3	6.700	16.2	6.6				
	CLA D3	3.3	2.200	17.1	6.9	6.67	12.53	2.51	
	CLA D4	3.8	10.000	13.3	9.2			(V)	
	CLA D5	3.5	10.000	13.1	9.2				
31	CLA D1	1.0	6.600	11.3	6.7				
	CLA D2	2.5	6.600	15.4	6.7				
	CLA D3	1.8	2.200	17.2	7.1	4.05	7.14	1.43	
	CLA D4	4.0	10.000	12.7	9.0			(V)	
	CLA D5	3.8	10.000	11.1	9.1				
						Max	8.06	184.31	
						Min	4.05	7.14	
						Avg	6.54	17.14	
						SD	0.85	30.57	

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

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 (cont.)

Enhanced Individual Filter Performance Data Page

PUBLIC WATER
SYSTEM NAME:

City of Wichita Falls

PLANT NAME

OR NUMBER:

Cypress DPR (Microfiltration/RO)

PWS ID No.:

2430001

Plant ID No.:

410791

Month:

January

Year:

2015

Optimized Individual Filter Effluent (IFE) Performance

PERFORMANCE DATA

Filter No.	Total No. of Readings	No. of Readings > or = 0.15 NTU	Percent of Readings > or = 0.15 NTU	No. of Confirmed Readings > 0.3 NTU	Filter No.	Total No. of Readings	No. of Readings > or = 0.15 NTU	Percent of Readings > or = 0.15 NTU	No. of Confirmed Readings > 0.3 NTU
1	2,950	37	1.25%	0	26				
2	2,941	38	1.29%	0	27				
3	2,952	57	1.93%	0	28				
4	2,950	42	1.42%	0	29				
5	2,946	63	2.14%	0	30				
6					31				
7					32				
8					33				
9					34				
10					35				
11					36				
12					37				
13					38				
14					39				
15					40				
16					41				
17					42				
18					43				
19					44				
20					45				
21					46				
22					47				
23					48				
24					49				
25					50				
Summary	Were more than 5% of the IFE readings from any of the filters above the 0.15 NTU performance criteria?			No	<i>Giardia and Cryptosporidium Log Removal Credit Allowed this Month For Enhanced IFE Performance</i>				1.0
	Did any of the filters have confirmed IFE readings above 0.3 NTU?			No					

SUBMITTED BY:



Certificate No.

and Grade: WO0023530, A Surface

Date: February 10, 2015

MEMBRANE MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
Pressure Decay Rate Direct Integrity Tests

PUBLIC WATER
SYSTEM NAME: City of Wichita Falls

PLANT NAME
OR NUMBER: Cypress DPR (Microfiltration/RO)

PWS ID No.: 2430001

Plant ID No.: 410791

Month: January

Year: 2015

TEST PARAMETERS & ADDITIONAL DATA

DIT CONDITIONS & ADDITIONAL DATA	Unit No. 1										Unit No. 2									
	DIT	P _{test}	LRC	UCL		Prev.	DIT _{test}	Pass?	C/A		DIT	P _{test}	LRC	UCL		Prev.	DIT _{test}	Pass?	C/A	
	Cond'n's	psi	-	psi/min		Month	date	Yes/No	Success?		Cond'n's	psi	-	psi/min		Month	date	Yes/No	Success?	
		16.5	2.8	1.650			12/31/14	YES	NA			16.5	2.8	1.650			12/31/14	YES	NA	
Optional Data	Filt.Flux	TMP									Filt.Flux	TMP								
	gfd	psi									gfd	psi								

PERFORMANCE DATA

Date	Unit No. 1										Unit No. 2									
	Operational Data					DIT Data					Operational Data					DIT Data				
	Daily Pump. MG	Norm. Filt.Flux gfd	TMP psi	Norm. Spc.Flux gfd/psi	Daily Max. mNTU	CIP done?	P _{initial} psi	ΔP _{test} /Δt psi/min	DIT pass?	C/A success?	Daily Pump. MG	Norm. Filt.Flux gfd	TMP psi	Norm. Spc.Flux gfd/psi	Daily Max. mNTU	CIP done?	P _{initial} psi	ΔP _{test} /Δt psi/min	DIT pass?	C/A success?
1	0.869	14.2	9.5	1.50	45		17.9	0.640	YES	NA	0.815	14.3	6.2	2.31	33		18.1	0.500	YES	NA
2	0.855	14.2	9.7	1.46	30		17.9	0.620	YES	NA	0.850	14.3	5.9	2.41	26		18.1	0.510	YES	NA
3	0.850	14.2	10.1	1.41	31		17.9	0.600	YES	NA	0.934	14.2	6.1	2.32	28		18.0	0.490	YES	NA
4	0.838	14.2	1.0	14.67	40		17.8	0.650	YES	NA	0.864	14.2	6.4	2.24	36		18.1	0.510	YES	NA
5	0.914	14.2	10.1	1.41	43		17.8	0.650	YES	NA	0.887	14.2	6.1	2.32	22		18.0	0.530	YES	NA
6	0.914	14.2	9.4	1.51	32		17.6	0.670	YES	NA	0.464	14.3	4.3	3.30	30		17.0	1.150	YES	NA
7	0.891	14.1	10.0	1.42	38		18.6	0.700	YES	NA	0.867	14.2	4.5	3.14	18		18.0	0.800	YES	NA
8	0.805	14.1	10.4	1.35	40		18.7	0.690	YES	NA	0.892	14.1	4.8	2.95	37		18.6	0.680	YES	NA
9	0.849	14.1	10.1	1.40	34		18.7	0.690	YES	NA	0.717	14.2	4.8	2.97	36		18.6	0.640	YES	NA
10	0.859	14.1	10.6	1.33	34		18.8	0.640	YES	NA	0.813	14.2	4.9	2.91	32		18.4	0.600	YES	NA
11	0.372	14.1	10.8	1.31	29	YES	16.2	1.230	NO	YES	1.026	14.2	4.9	2.88	26		18.8	0.610	YES	NA
12	0.599	14.2	3.2	4.45	27		16.6	1.180	YES	NA	0.852	14.1	4.7	3.03	26		18.9	0.610	YES	NA
13	0.909	14.2	3.6	3.91	24		17.8	0.950	YES	NA	0.894	14.2	4.9	2.88	22		18.8	0.600	YES	NA
14	0.857	14.2	3.9	3.63	21		18.1	0.870	YES	NA	0.758	14.2	4.5	3.15	44		18.5	0.600	YES	NA
15	0.000	X	X	X	X		X	X	X		0.463	14.1	3.9	3.60	26		19.8	0.650	YES	NA
16	0.251	14.2	3.3	4.27	78		16.5	1.190	YES	NA	0.252	14.1	3.9	3.66	37		20.2	0.670	YES	NA
17	0.908	14.2	3.5	4.02	35		19.3	0.970	YES	NA	0.859	14.2	3.9	3.67	20		20.1	0.640	YES	NA
18	0.852	14.2	3.5	4.01	21		19.5	0.920	YES	NA	0.833	14.1	3.7	3.79	27		20.3	0.640	YES	NA
19	0.732	14.2	3.4	4.19	25		19.6	0.880	YES	NA	0.870	14.5	3.6	4.02	18		20.3	0.630	YES	NA
20	0.858	14.2	3.3	4.34	29		19.5	0.900	YES	NA	0.878	14.1	3.6	3.98	39	YES	20.4	0.620	YES	NA
21	0.874	14.2	3.5	4.07	24		19.7	0.870	YES	NA	0.804	14.1	3.6	3.88	28		20.3	0.660	YES	NA
22	0.968	14.2	3.7	3.88	32		19.7	0.850	YES	NA	1.058	14.2	3.8	3.74	31		20.2	0.640	YES	NA
23	1.321	14.1	3.8	3.70	30		19.7	0.840	YES	NA	1.266	14.1	4.0	3.52	19		20.4	0.590	YES	NA
24	0.991	14.1	3.8	3.73	29		19.9	0.810	YES	NA	1.034	14.1	3.9	3.64	15		20.4	0.610	YES	NA
25	0.882	14.2	3.7	3.83	29		19.9	0.820	YES	NA	0.855	14.2	3.9	3.60	15		20.5	0.570	YES	NA
26	1.152	14.2	3.7	3.81	31		20.0	0.790	YES	NA	0.968	14.3	3.9	3.69	84		20.5	0.670	YES	NA
27	1.186	14.1	3.5	4.03	30		20.0	0.810	YES	NA	1.300	14.1	3.7	3.78	20		20.2	0.610	YES	NA
28	1.170	14.1	3.6	3.90	26		19.9	0.840	YES	NA	1.230	14.1	3.6	3.88	22		20.5	0.640	YES	NA
29	1.292	14.1	3.4	4.10	28		19.7	0.880	YES	NA	1.288	14.1	3.7	3.86	26		20.5	0.590	YES	NA
30	1.250	14.2	3.6	3.89	86		17.3	0.690	YES	NA	1.275	14.1	3.7	3.82	21		20.3	0.640	YES	NA
31	1.304	14.2	3.6	3.89	32		19.8	0.850	YES	NA	1.331	14.2	3.8	3.69	34		20.5	0.670	YES	NA

SUMMARY	Unit No. 1										Unit No. 2									
	Operational Data										Operational Data									
	DIT Data										DIT Data									
	Pass?										Pass?									
	Success?										Success?									
	C/A										C/A									
Comments	General Remarks										Additional Comments									
											Replaced O rings and pinned membranes									

SUBMITTED BY:



Certificate No.
and Grade: WO0023530, A Surface

Date: February 10, 2015

MEMBRANE MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Pressure Decay Rate Direct Integrity Tests (cont.)

PUBLIC WATER
SYSTEM NAME: City of Wichita Falls

PLANT NAME
OR NUMBER: Cypress DPR (Microfiltration/RO)

PWS ID No.: 2430001

Plant ID No.: 410791

Month: January

Year: 2015

TEST PARAMETERS & ADDITIONAL DATA

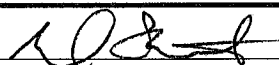
DIT CONDITIONS & ADDITIONAL DATA	Unit No. 3										Unit No. 4									
	DIT	P _{test}	LRC	UCL		Prev.	DIT _{test}	Pass?	C/A		DIT	P _{test}	LRC	UCL		Prev.	DIT _{test}	Pass?	C/A	
	Cond'ns	psi	-	psi/min		Month	date	Yes/No	Success?		Cond'ns	psi	-	psi/min		Month	date	Yes/No	Success?	
		16.5	2.8	1.650			12/31/14	YES	NA			16.5	2.8	1.650			12/31/14	YES	NA	
Optional Data	Filt.Flux	TMP									Optional Data	Filt.Flux	TMP							
	gfd	psi										gfd	psi							

PERFORMANCE DATA

Date	Unit No. 3										Unit No. 4									
	Operational Data						DIT Data				Operational Data						DIT Data			
	Daily Pump. MG	Norm. Filt.Flux gfd	TMP psi	Norm. Spc.Flux gfd/psi	Daily Max. mNTU	CIP done?	P _{initial} psi	ΔP _{test} /Δt psi/min	DIT pass?	C/A success?	Daily Pump. MG	Norm. Filt.Flux gfd	TMP psi	Norm. Spc.Flux gfd/psi	Daily Max. mNTU	CIP done?	P _{initial} psi	ΔP _{test} /Δt psi/min	DIT pass?	C/A success?
1	0.917	14.3	5.0	2.87	25		17.7	0.610	YES	NA	0.876	14.3	2.4	5.91	25		18.3	0.430	YES	NA
2	0.855	14.3	5.2	2.76	23		17.8	0.590	YES	NA	0.900	14.3	2.5	5.73	24		18.3	0.420	YES	NA
3	0.885	14.3	5.1	2.83	33		17.8	0.590	YES	NA	0.779	14.3	2.5	5.78	24		18.3	0.410	YES	NA
4	0.918	14.3	5.2	2.73	27		17.7	0.610	YES	NA	0.841	14.3	2.5	5.81	28		18.2	0.420	YES	NA
5	0.859	14.2	5.3	2.71	20		17.7	0.600	YES	NA	0.775	14.3	2.5	5.77	24		18.2	0.420	YES	NA
6	0.953	14.3	5.1	2.82	20		17.7	0.620	YES	NA	0.991	14.3	2.4	5.93	24		18.2	0.430	YES	NA
7	0.907	14.2	5.3	2.70	38		18.5	0.660	YES	NA	0.791	14.2	2.4	5.87	23		19.2	0.450	YES	NA
8	0.889	14.2	5.3	2.66	36		18.6	0.660	YES	NA	0.890	14.2	2.5	5.66	23		19.2	0.450	YES	NA
9	0.767	14.2	5.4	2.63	36		18.6	0.640	YES	NA	0.752	14.4	2.5	5.66	25		19.2	0.450	YES	NA
10	0.860	14.2	5.6	2.55	25		18.7	0.630	YES	NA	0.896	14.2	2.6	5.53	25		19.2	0.450	YES	NA
11	0.958	14.2	5.3	2.70	22		18.7	0.630	YES	NA	0.951	14.2	2.6	5.57	25		19.2	0.450	YES	NA
12	0.951	14.2	5.3	2.69	20		18.8	0.640	YES	NA	0.974	14.2	2.4	5.89	24		19.2	0.460	YES	NA
13	0.791	14.2	5.5	2.57	29		18.7	0.630	YES	NA	0.817	14.2	2.5	5.68	25		19.2	0.450	YES	NA
14	0.876	14.2	5.1	2.76	39		18.6	0.680	YES	NA	0.888	14.3	2.5	5.67	25		19.2	0.460	YES	NA
15	0.577	14.2	5.1	2.76	33		19.7	0.700	YES	NA	0.562	14.3	2.5	5.74	28		20.3	0.490	YES	NA
16	0.226	14.2	5.0	2.83	53		20.1	0.700	YES	NA	0.218	14.3	2.4	5.88	29		20.7	0.500	YES	NA
17	0.849	14.2	4.9	2.87	43		20.1	0.730	YES	NA	0.791	14.3	2.4	5.88	25		20.7	0.500	YES	NA
18	0.939	14.2	4.5	3.16	27		20.0	0.730	YES	NA	0.817	14.3	2.3	6.24	25		20.6	0.500	YES	NA
19	0.859	14.2	4.5	3.19	35		20.1	0.700	YES	NA	0.783	14.3	2.2	6.50	25		20.7	0.510	YES	NA
20	0.778	14.2	4.3	3.26	33		20.2	0.680	YES	NA	0.825	14.2	2.2	6.45	26		20.7	0.510	YES	NA
21	0.899	14.2	4.4	3.24	36		20.1	0.710	YES	NA	0.806	14.2	2.2	6.34	22		20.7	0.500	YES	NA
22	1.005	14.2	4.7	3.00	43		20.1	0.690	YES	NA	0.982	14.2	2.4	5.99	21		20.7	0.510	YES	NA
23	1.211	14.2	4.7	3.01	27		20.1	0.670	YES	NA	1.146	14.2	2.5	5.78	26		20.6	0.510	YES	NA
24	1.081	14.2	4.7	2.99	17		20.2	0.650	YES	NA	1.023	14.3	2.5	5.80	21		20.6	0.510	YES	NA
25	0.750	14.2	4.6	3.10	17		20.2	0.640	YES	NA	0.860	14.2	2.5	5.73	21		20.6	0.510	YES	NA
26	1.166	14.2	4.4	3.21	17		20.3	0.630	YES	NA	1.143	14.6	2.5	5.87	31		20.7	0.510	YES	NA
27	1.229	14.2	4.4	3.22	21		20.2	0.630	YES	NA	1.278	14.2	2.3	6.12	26		20.7	0.510	YES	NA
28	1.323	14.1	4.2	3.33	24		20.2	0.670	YES	NA	1.256	14.2	2.2	6.47	35		20.7	0.520	YES	NA
29	1.215	14.2	4.2	3.38	23		20.3	0.650	YES	NA	1.262	14.2	2.2	6.38	32		20.7	0.520	YES	NA
30	1.356	14.2	4.3	3.28	39		20.2	0.660	YES	NA	1.271	14.2	2.2	6.51	30		20.7	0.520	YES	NA
31	1.224	14.2	4.3	3.27	31		20.2	0.660	YES	NA	1.219	14.2	2.3	6.28	23		20.7	0.510	YES	NA

SUMMARY			Unit No. 3	Unit No. 4
	IIT	Number of days with DIT triggered by high turbidity or particle count	0	0
		Number of days with a monitoring violation	0	0
	DIT	Number of days with failure to pass a DIT	0	0
		Number of days with a treatment technique violation	0	0
	Comments	General Remarks	Additional Comments	Additional Comments

SUBMITTED BY:



Certificate No.
and Grade:

WO0023530, A Surface

Date: February 10, 2015

MEMBRANE MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Pressure Decay Rate Direct Integrity Tests (cont.)

PUBLIC WATER SYSTEM NAME: City of Wichita Falls PLANT NAME OR NUMBER: Cypress DPR (Microfiltration/RO)
PWS ID No.: 2430001 Plant ID No.: 410791 Month: January Year: 2015

TEST PARAMETERS & ADDITIONAL DATA																					
DIT CONDITIONS & ADDITIONAL DATA	Unit No. 5										Unit No. 6										
	DIT Cond'n's	P _{test} psi	LRC -	UCL psi/min		Prev. Month	DIT _{test} date	Pass? Yes/No	C/A Success?		DIT Cond'n's	P _{test} psi	LRC -	UCL psi/min		Prev. Month	DIT _{test} date	Pass? Yes/No	C/A Success?		
		16.5	2.8	1.650			12/31/14	YES	NA												
	Optional Data	Filt.Flux gfd	TMP psi								Optional Data	Filt.Flux gfd	TMP psi								

PERFORMANCE DATA																					
Date	Unit No. 5										Unit No. 6										
	Operational Data						DIT Data				Operational Data						DIT Data				
	Daily Pump. MG	Norm. Filt.Fluid gfd	TMP psi	Norm. Spc.Fluid gfd/psi	Daily Max. mNTU	CIP done? -	P _{Initial} psi	ΔP _{test} /Δt psi/min	DIT pass? -	C/A success? -	Daily Pump. MG	Norm. Filt.Fluid gfd	TMP psi	Norm. Spc.Fluid gfd/psi	Daily Max. mNTU	CIP done? -	P _{Initial} psi	ΔP _{test} /Δt psi/min	DIT pass? -	C/A success? -	
1	0.845	14.3	4.6	3.10	17		18.5	0.390	YES	NA											
2	0.890	14.3	4.6	3.12	21		18.4	0.410	YES	NA											
3	0.886	14.3	4.7	3.03	19		18.5	0.400	YES	NA											
4	0.850	14.3	4.7	3.07	24		18.3	0.410	YES	NA											
5	0.870	14.3	4.7	3.06	22		18.5	0.390	YES	NA											
6	0.985	14.3	4.7	3.02	20		18.5	0.410	YES	NA											
7	0.873	14.2	4.5	3.16	17		19.3	0.470	YES	NA											
8	0.882	14.2	4.8	2.96	20		19.4	0.430	YES	NA											
9	0.720	14.2	4.9	2.88	16		19.4	0.420	YES	NA											
10	0.873	14.2	4.7	3.01	15		19.3	0.430	YES	NA											
11	0.994	14.2	4.8	2.98	20		19.4	0.430	YES	NA											
12	0.929	14.2	4.7	3.05	18		19.5	0.440	YES	NA											
13	0.900	14.2	4.7	3.03	19		19.4	0.440	YES	NA											
14	0.930	14.2	4.8	2.93	16		19.4	0.430	YES	NA											
15	0.479	14.1	4.7	3.02	15		19.7	0.450	YES	NA											
16	0.205	14.2	4.4	3.25	22		20.9	0.520	YES	NA											
17	0.928	14.2	4.5	3.18	16		20.8	0.520	YES	NA											
18	0.903	14.2	4.3	3.28	14		20.9	0.490	YES	NA											
19	0.822	14.3	4.1	3.49	18		20.7	0.530	YES	NA											
20	0.919	14.2	4.1	3.49	18		20.9	0.490	YES	NA											
21	0.858	14.2	4.2	3.37	18		20.9	0.490	YES	NA											
22	1.037	14.2	4.3	3.32	17		20.8	0.500	YES	NA											
23	1.334	14.1	4.5	3.11	17		20.9	0.470	YES	NA											
24	0.960	14.2	4.4	3.24	14		20.8	0.480	YES	NA											
25	0.830	14.1	4.3	3.26	14		20.9	0.450	YES	NA											
26	1.089	14.2	4.3	3.34	16		20.9	0.450	YES	NA											
27	1.258	14.1	4.0	3.51	15		20.9	0.470	YES	NA											
28	1.220	14.1	3.9	3.58	14		20.9	0.480	YES	NA											
29	1.260	14.1	3.8	3.69	18		21.0	0.490	YES	NA											
30	1.243	14.2	3.9	3.60	14		20.9	0.470	YES	NA											
31	1.346	14.2	4.0	3.56	16		20.9	0.480	YES	NA											

SUMMARY	Unit No. 5									Unit No. 6								
	IIT									DIT								
	Number of days with DIT triggered by high turbidity or particle count									0								
	Number of dates with monitoring violation									0								
	Number of dates with failure to pass DIT									0								
Comments	Number of dates with treatment technique violation									0								
	General Remarks									Additional Comments								

SUBMITTED BY: [Signature] Certificate No. and Grade: W00023530, A Surface Date: February 10, 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.)

L72ESWTR Summary Page

PUBLIC WATER SYSTEM NAME: <u>City of Wichita Falls</u>	PLANT NAME OR NUMBER: <u>Cypress DPR (Microfiltration/RO)</u>	PWS ID No.: <u>2430001</u>	Plant ID No.: <u>410791</u>
		January <u>2015</u>	Year: <u>2015</u>

TREATMENT TECHNOLOGIES																		
Note: Indicate the treatment processes in each train. (see comment)	PRETREATMENT CREDITS				FILTRATION TECHNOLOGY CREDITS							ENHANCED PERFORMANCE CREDITS		DISINFECTION TECHNOLOGY CREDITS			OTHER TREATMENT CREDITS	
	Riverbank Filtration	Pressed. with Coagul.	Two-stage Lime Softening	Conventional Sedimentation or Clarification	Conventional Granular Media Filters	Bag or Cartridge Filtration	Two-Stage Filtration	Membrane Filtration (PBT)	Membrane Filtration (QBT)	Membrane Filtration (MBT)	Enhanced CFE Perform.	Optimized IFE Perform.	Crypto Chemical Disinfect.	UV Disinfect. (ISA)	UV Disinfect. (CDA)	Watershed Protection	Perform. Demon.	
	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	
Overall				TRUE	TRUE				TRUE			TRUE					TRUE	
Train 1																		
Train 2																		
Train 3																		
Train 4																		
Train 5																		
1																	0.50	
2								2.80									0.50	
3								2.80									0.50	
4								2.80									0.50	
5								2.80									0.50	
6								2.80									0.50	
7								2.80									0.50	
8								2.80									0.50	
9								2.80									0.50	
10								2.80									0.50	
11								2.80									0.50	
12								2.80									0.50	
13								2.80									0.50	
14								2.80									0.50	
15				0.50	2.50			2.80				0.00	1.00				0.50	
16								2.80									0.50	
17								2.80									0.50	
18								2.80									0.50	
19								2.80									0.50	
20								2.80									0.50	
21								2.80									0.50	
22								2.80									0.50	
23								2.80									0.50	
24								2.80									0.50	
25								2.80									0.50	
26								2.80									0.50	
27								2.80									0.50	
28								2.80									0.50	
29								2.80									0.50	
30								2.80									0.50	
31								2.80									0.50	
MIN				0.5	2.5			2.80			0.0	1.0					0.5	

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

PUBLIC WATER

SYSTEM NAME: City of Wichita Falls

PWS ID No : 2430001

Plant ID No.: 410791

PLANT NAME

OR NUMBER:

Cypress DPR (Microfiltration/RO)

Month: January

Year: 2015

[illegible]