

Surface Water Monthly Operating Report

Addendum for the Direct Potable Reuse Plant

Public Water

System Name:

City of Wichita Falls

Plant Name or Number:

Cypress DPR (Microfiltration/RO)

PWS ID No.:

2430001

Month:

January

Year:

2015

Location:	TCEQ-1J	TCEQ-2J	TCEQ-2JB	TCEQ-20J						TCEQ-20J					
	Max Turbidity (NTU)	Min Mono-chloramine (ppm)	E. coli (CFU/100mL)	Nitrate-N (ppm)						Flow (MGD)					
Date				Train 1	Train 2	Train 3	Train 4	Train 5	Train 6	Train 1	Train 2	Train 3	Train 4	Train 5	Train 6
1/1	5.86	3.02	<4.00	2.9	1.5	1.4	X	1.5	X	1.41	1.39	1.4	X	1.42	X
1/2	7.32	3.16	<4.00	1.1	X	X	1.4	CIP	2.1	1.41	X	X	1.4	CIP	1.4
1/3	7.77	3.74	<4.00	0.9	X	X	1.6	CIP	CIP	1.41	X	X	1.4	CIP	CIP
1/4	5.55	3.77	<4.00	X	X	X	1.3	1.7	CIP	X	X	X	1.4	1.41	CIP
1/5	5.02	3.27	<4.00	0.9	X	X	X	X	1.9	1.46	X	X	X	X	1.41
1/6	4.85	3.75	<4.00	X	X	X	2.3	1.9	X	X	X	X	1.4	1.41	X
1/7	3.81	3.14	<4.00	1.7	X	X	X	X	1.9	1.4	X	X	X	X	1.4
1/8	3.68	3.22	<4.00	X	X	X	1.7	1.9	X	X	X	X	1.41	1.41	X
1/9	3.74	4.13	<4.00	1.8	X	X	X	X	2.7	1.41	X	X	X	X	1.39
1/10	3.71	4.01	<4.00	X	X	X	1.9	2.4	X	X	X	X	1.41	1.42	X
1/11	3.51	3.76	<4.00	1.9	X	X	X	X	1.8	1.41	X	X	X	X	1.42
1/12	3.27	3.77	<4.00	X	X	X	1.9	1.4	X	X	X	X	1.4	1.42	X
1/13	2.98	3.47	136	1.1	X	X	X	X	1.3	1.42	X	X	X	X	1.41
1/14	3.85	3.78	<4.00	X	X	CIP	1.8	1.9	X	X	X	CIP	1.45	1.44	X
1/15	2.85	3.02		1.1	X	CIP	X	X	2.1	1.41	X	CIP	X	X	1.41
1/16	X	X													
1/17	X	X													
1/18	X	X													
1/19	X	X													
1/20	X	X													
1/21	X	X													
1/22	X	X													
1/23	X	X													
1/24	X	X													
1/25	X	X													
1/26	X	X													
1/27	X	X													
1/28	X	X													
1/29	X	X													
1/30	X	X													
1/31	X	X													

Certificate No.

Submitted by:

and Grade:

WO0023530, AW

Date:

10-Feb-15

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Addendum for the Direct Potable Reuse Plant

Public Water System

Name: City of Wichita Falls

Plant Name or Number:

Cypress DPR (Microfiltration/RO)

PWS ID No.: 2430001

Month: January **Year:** 2015

Location:	TCEQ-20J						TCEQ-22J												
	Salt Rejection (% Removal)						Max 15-Min. Lagoon Return %	2-Hour Average Lagoon Return % Flows											
Date	Train 1	Train 2	Train 3	Train 4	Train 5	Train 6		12-2	2-4	4-6	6-8	8-10	10-12	12-2	2-4	4-6	6-8	8-10	10-12
1/1	98.7	98.8	98.8	X	98.8	X	30.36	x	x	x	x	x	x	x	x	x	x	x	x
1/2	98.8	X	X	98.1	CIP	98.1	29.01	x	x	x	x	x	x	x	x	x	x	x	x
1/3	98.7	X	X	98	CIP	CIP	33.00	x	x	x	x	x	x	x	x	x	x	x	x
1/4	X	X	X	98.1	98.5	CIP	29.64	x	x	x	x	x	x	x	x	x	x	x	x
1/5	98.7	X	X	X	X	98.3	30.26	x	x	x	x	x	x	x	x	x	x	x	x
1/6	X	X	X	97.9	98.4	X	28.87	x	x	x	x	x	x	x	x	x	x	x	x
1/7	98.7	X	X	X	X	98.3	28.61	x	x	x	x	x	x	x	x	x	x	x	x
1/8	X	X	X	98.2	98.6	X	28.71	x	x	x	x	x	x	x	x	x	x	x	x
1/9	98.9	X	X	X	X	98.4	26.51	x	x	x	x	x	x	x	x	x	x	x	x
1/10	X	X	X	98.1	98.6	X	24.86	x	x	x	x	x	x	x	x	x	x	x	x
1/11	98.8	X	X	X	X	98.5	35.27	x	x	x	x	x	x	x	x	x	x	x	x
1/12	X	X	X	98.2	98.4	X	35.16	x	x	x	x	x	x	x	x	x	x	x	x
1/13	98.7	X	X	X	X	98.4	38.40	x	x	x	x	x	x	x	x	x	x	x	x
1/14	X	X	CIP	98.3	98.5	X	36.23	x	x	x	x	x	x	x	x	x	x	x	x
1/15	98.7	X	CIP	X	X	98.3	35.01	x	x	x	x	x	x	x	x	x	x	x	x
1/16							X	x	x	x	x	x	x	x	x	x	x	x	x
1/17							X	x	x	x	x	x	x	x	x	x	x	x	x
1/18							X	x	x	x	x	x	x	x	x	x	x	x	x
1/19							X	x	x	x	x	x	x	x	x	x	x	x	x
1/20							X	x	x	x	x	x	x	x	x	x	x	x	x
1/21							X	x	x	x	x	x	x	x	x	x	x	x	x
1/22							X	x	x	x	x	x	x	x	x	x	x	x	x
1/23							X	x	x	x	x	x	x	x	x	x	x	x	x
1/24							X	x	x	x	x	x	x	x	x	x	x	x	x
1/25							X	x	x	x	x	x	x	x	x	x	x	x	x
1/26							X	x	x	x	x	x	x	x	x	x	x	x	x
1/27							X	x	x	x	x	x	x	x	x	x	x	x	x
1/28							X	x	x	x	x	x	x	x	x	x	x	x	x
1/29							X	x	x	x	x	x	x	x	x	x	x	x	x
1/30							X	x	x	x	x	x	x	x	x	x	x	x	x
1/31							X	x	x	x	x	x	x	x	x	x	x	x	x

Certificate No.

Submitted by: _____

and Grade: WO0023530, AW **Date:** 10-Feb-15

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PWS ID No.: 2430001

Month: January **Year:** 2015

Location:	TCEQ-41J	TCEQ-42J
Date	Min. Ground Storage Tank Level (% Full)	Min Total Chlorine Residual (ppm)
1/1	56%	3.50
1/2	54%	3.50
1/3	52%	3.80
1/4	50%	3.90
1/5	51%	3.90
1/6	52%	3.90
1/7	52%	3.60
1/8	61%	3.50
1/9	67%	3.50
1/10	75%	3.60
1/11	77%	3.60
1/12	78%	3.40
1/13	77%	3.50
1/14	75%	3.40
1/15	71%	3.30
1/16	0%	X
1/17	0%	X
1/18	0%	X
1/19	0%	X
1/20	0%	X
1/21	0%	X
1/22	0%	X
1/23	0%	X
1/24	0%	X
1/25	0%	X
1/26	0%	X
1/27	0%	X
1/28	0%	X
1/29	0%	X
1/30	0%	X
1/31	0%	X

TCEQ-20J					
Current Month Average Salt Rejection					
Train 1	Train 2	Train 3	Train 4	Train 5	Train 6
98.74	98.8	98.8	98.1	98.5	98.3

TCEQ-20J					
Previous Month Average Salt Rejection					
Train 1	Train 2	Train 3	Train 4	Train 5	Train 6
98.5	98.6	98.7	97.6	98.6	98.5

TCEQ-42J			
	Nitrate-N	Nitrite-N	<i>E. coli</i>
Date	(ppm)	(ppm)	MPN
1/5	0.25	0.01	<0.02
1/12	0.27	0.01	<0.02
1/0	0.00	0.00	0.0
1/0	0.00	0.00	0.0

TCEQ-2JB			
	<i>Cryptosporidium</i>	<i>Giardia</i>	TCV
Date	(oocysts/L)	(cysts/L)	MPN
1/5	<1.309	17.02	*

Previous Virus Data			
TCEQ-2JB			
	<i>Enterovirus</i>	<i>Norovirus</i>	TCV
Date	MPN/100mL		
11/3	<144.79	<144.79	<0.0291

TCEQ-42J			
	<i>Cryptosporidium</i>	<i>Giardia</i>	TCV
Date	(oocysts/L)	(cysts/L)	MPN
1/6	<0.712	<0.712	*
	0.00	0.00	*

TCEQ-42J			
	<i>Enterovirus</i>	<i>Norovirus</i>	TCV
Date	MPN/100mL		
11/4	<0.3569	<0.3569	<0.0018
11/19	<0.3279	<0.3279	<0.00165

Date: 10-Feb-15

Submitted by: _____

Certificate No. and Grade: 023530, AW