

Item	Location ok? (y/n)	TCEQ Frequency	WF Frequency	Frequency Ok? (y/n)	Method	TCEQ Approved method? (y/n)	Calibration		Calibration ok? (y/n)
							Frequency	Method	
TCEQ-1J: River Road Wastewater Treatment Plant (RR WWTP) Effluent									
TCEQ-2J: Begin Wastewater (WW) Disinfection Zone (DZ) 1 (before RR WWTP Chlorine Contact Basin)									
TCEQ-3J: End WW DZ 1 (end of RR WWTP effluent transmission line at Cypress 2008 MF/RO SWTP's Flow Control Vault & prior to existing 12-inch gate valve)									
TCEQ-4J: 2008 MF/RO SWTP's Static Mixers and Coagulant Addition (at Cypress 2008 MF/RO SWTP's Flow Control Vault)									
TCEQ-5J: Begin WW DZ 2 (at 2008 MF/RO SWTP's radial flow clarifier's flocculator with chlorine and ammonia injection)									
TCEQ-6J: 2008 MF/RO SWTP Radial Flow Clarifier (flocculation & clarification)									
TCEQ-7J: End WW DZ 2 (at 2008 MF/RO SWTP's radial flow clarifier's effluent pipe)									
TCEQ-8J: Begin WW DZ 3 (at MF membrane units' feed trough)									
TCEQ-9J: Selected MF Membrane Unit (at influent to selected MF units' feed trough/tank)									
TCEQ-10J: Selected MF Membrane Unit Filtrate Quality (after vacuum pump & prior to blending with any other MF filtrate)									
TCEQ-11J: End WW DZ 3 (at combined MF filtrate pipe)									
TCEQ-12J: Sodium Bisulfite Feed System									
TCEQ-13J: Break Tank (RO membrane feed water tank)									
TCEQ-14J: Sulfuric Acid Feed System									
TCEQ-15J: Antiscalant Feed System									
TCEQ-16J: Selected RO Membrane Unit Feed Water (after selected RO unit feed pump & prior to selected RO unit)									
TCEQ-17J: First Stage RO Membranes									
TCEQ-18J: Second Stage RO Membranes									
TCEQ-19J: Selected RO Membrane Unit Reject Water Quality (at effluent of RO unit's concentrate piping)									
TCEQ-20J: Selected RO Membrane Unit Permeate Quality (at selected RO unit permeate piping & prior to blending with other RO units' permeate)									
TCEQ-22J: Temporary RO Permeate Lagoon Effluent (at waste Lagoon No. 3 recycle pump station & before blending with Secondary Reservoir source water)									
TCEQ-23J: Raw Secondary Reservoir Source Water Quality (prior to chlorine dioxide injection)									
TCEQ-24J: Begin Secondary Reservoir raw water (RW) DZ 1 (at chlorine dioxide injection point on Secondary Reservoir raw water transmission pipe)									
TCEQ-25J: End RW DZ 1 (at 1st monitoring point on raw Secondary Reservoir transmission pipe 400 feet from chlorine dioxide injection point)									
TCEQ-26J: End RW DZ 2 (begins at end of RW DZ 1 and ends at 2nd monitoring point on raw Secondary Reservoir transmission pipe 900 feet from chlorine dioxide injection point)									
TCEQ-27J: End RW DZ 3 (begins at end of RW DZ 2 & ends prior to tee for blending waste Lagoon No. 3 effluent at 3rd monitoring point on raw Secondary Reservoir transmission pipe)									
TCEQ-28J: Cypress Splitter Box Effluent (blended partially treated RR WWTP effluent from waste Lagoon No. 3 with Secondary Reservoir source water)									

TCEQ-30J: Begin Blended partial treated RR WWTP & Secondary Reservoir waters (Blended) DZ 4 (at chlorine & ammonia injection after Cypress Splitter Box and
TCEQ-31J: Conventional 2010 SWTP Rapid Mix and Coagulant Addition
TCEQ-32J: Conventional 2010 SWTP Flocculation & Clarification (Accelerator solids-contact flocculation and clarification)
TCEQ-33J: Conventional 2010 SWTP Recarbonation Basin
TCEQ-34J: Blended Phosphate Addition System (after Conventional 2010 SWTP Recarbonation Basin and prior to gravity media filters)
TCEQ-35J: Selected Conventional 2010 SWTP Gravity Media Filter (selected individual filter effluent (IFE))
TCEQ-36J: End Blended DZ 4 (after Conventional 2010 SWTP combined filter effluent (CFE) and prior to downstream chlorine injection point)
TCEQ-37J: Fluoride Adjustment System (after Conventional 2010 SWTP filters and prior to chlorine injection point)
TCEQ-38J: Begin Blended DZ 5 (at chlorine injection prior to Conventional 2010 SWTP Clearwell)
TCEQ-39J: End Temporary Blended DZ 5 (at Conventional 2010 SWTP Clearwell's transfer pumps)
TCEQ-40J: Conventional 2010 SWTP Clearwell Effluent Water Quality (after 2010 clearwell transfer pumps and prior to GSTs)
Simulated CT for 10.0-MG GST
TCEQ-41J: Begin Temporary Blended DZ 6 (no disinfectant injection, includes Cypress 10.0-MG GST)
TCEQ-42J: End Temporary Blended DZ 6 (at Cypress high service pumps' discharge header)

Alicia & Jennelle		Est. time	Priority
Investigate			
Vera: Opening remarks		1.0 hrs.	
9-5-13 Letter, Exception Condition Nos. 3 - 4 (WWTP permits)		1.0 hr.	2
Enclosure J, TCEQ Sample Set -1 J: RR WWTP Effluent		1.5 hr.	1
Enclosure J for 2010 Conventional SWTP sections		6.0 hrs.	1
Enclosure D, Fluoride		0.5 hrs.	1
Enclosure B for 2010 Conventional SWTP sections		1.25 hrs.	1
Enclosure C (analytical methods, calibration, & calibration frequencies)		3.0 hrs.	1
9-5-13 FSV Test Report section		0.5 hr.	4
Enclosure E (FSV Test Report Format)		0.5 hr.	3
Vera: Closing remarks		2.0 hrs. ?	
TOTAL		17.25	

Red & Vera		Est. time	Priority
Investigate			
Vera: Opening remarks		1.0 hrs.	
12/2/2013 Site Visit findings/letter		1.0 hr.	1
9-5-13 Exception Condition Nos. 1-2, 5-36 (shutdown, isolation)		2.5 hrs.	1
1-9-14 visit w/1-10 & 13-13 emails, etc.		0.5 hr.	2
9-5-13 Letter, FSV Test Protocol section Nos. 1 - 4		0.5 hr.	1
Enclosure J for 2008 MF/RO SWTP and TCEQ 41J & 42J sections		6.0 hrs.	1
Enclosure B for 2008 MF/RO SWTP sections		1.25 hrs	1
9-5-13 Letter, DPR WTP CT section		0.5 hrs.	4
9-5-13 Letter, Required DPR WTP CT Studies (needed corrections to WF template)		0.5 hrs.	3
Enclosures F (FSV Test SWMOR CT templates)		1.0 hr.	2
Enclosure G (SW source Bin Classification)		0.25 hr.	5
Enclosure K (monitoring for viruses, Giardia, & Cryptosporidium)		0.25 hr.	5
Vera: Opening remarks		2.0 hrs. ?	
TOTAL		17.25	

9-5-13 Letter

Y	Exception Conditions Nos. 1 -36
Y	FSV Test Protocol Nos. 1 - 4
NA	TCEQ Review of PER and Plans Nos. 1 - 5
Y	FSV Test Report (P. 17 & 18)
Y	Required WTP CT Studies (P. 19 - 21)
N	Industrial Contributions to the RR WWTP (P. 22 -24)

9-5-13 Enclosures

No, J replaces	Enclosure A: Full-Scale Verification Test Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates
Y	Enclosure B: Full-Scale Verification Test Protocol Monitoring and Reporting of Operating Processes
Y	Enclosure C: Acceptable Analytical Methods, Calibration Methods and Calibration Processes
Y	Enclosure D: Design, Operating and Monitoring Requirements for Fluoride Adjustment
Y	Enclosure E: Full-Scale Verification Test Report Format
Y	Enclosure F: Temporary Full-Scale Verification Test CT Templates
Y	Enclosure G: Long Term 2 Enhanced Surface Water Treatment Rule Bin Classification Letter
NA	Enclosure H: CT Templates for an Operational DPR WTP
?	Enclosure I: (10-15-13 letter)
Y	Enclosure J: Full-Scale Verification Test Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates (Replaces 9-5-13 Enclosure A)
Y	Enclosure K: TCEQ 7-29-13 email

10-15-2013 Letter/Enclosures

Alicia & Jennelle		Red & Vera	
Investigate	Est. time	Investigate	Est. time
Vera: Opening remarks	1.0 hrs.	Vera: Opening remarks	1.0 hrs.
9-5-13 Letter, Exception Condition Nos. 3 - 4 (WWTP permits)	1.0 hr.	12/2/2013 Site Visit findings/letter	1.0 hr.
Enclosure J, TCEQ Sample Set -1 J: RR WWTP Effluent	1.5 hr.	9-5-13 Exception Condition Nos. 1-2, 5-36 (shutdown, isolation)	2.5 hrs.
Enclosure J for 2010 Conventional SWTP sections	6.0 hrs.	1-9-14 visit w/1-10 & 13-13 emails, etc.	0.5 hr.
Enclosure D, Fluoride	0.5 hrs.	9-5-13 Letter, FSV Test Protocol section Nos. 1 - 4	0.5 hr.
Enclosure B for 2010 Conventional SWTP sections	1.25 hrs.	Enclosure J for 2008 MF/RO SWTP and TCEQ 41J & 42J sections	6.0 hrs.
Enclosure C (analytical methods, calibration, & calibration frequencies)	3.0 hrs.	Enclosure B for 2008 MF/RO SWTP sections	1.25 hrs.
9-5-13 FSV Test Report section	0.5 hr.	9-5-13 Letter, Required DPR WTP CT Studies (needed corrections to WF template)	0.5 hrs.
Enclosure E (FSV Test Report Format)	0.5 hr.	Enclosures F (FSV Test SWMOR CT templates)	1.0 hr.
		Enclosure G (SW source Bin Classification)	0.25 hr.
		Enclosure K (monitoring for viruses, Giardia, & Cryptosporidium)	0.25 hr.
Vera: Closing remarks	2.0 hrs. ?	Vera: Opening remarks	2.0 hrs. ?
TOTAL	17.25	TOTAL	16.75

9-5-13 Letter		Exception Conditions Nos. 1 -36	Y
		FSV Test Protocol Nos. 1 - 4	Y
		TCEQ Review of PER and Plans Nos. 1 - 5	NA
		FSV Test Report (P. 17 & 18)	Y
		Required WTP CT Studies (P. 19 - 21)	Y
		Industrial Contributions to the RR WWTP (P. 22 - 24)	N
9-5-13 Enclosures		Enclosure A: Full-Scale Verification Test Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates	No, J replaces
		Enclosure B: Full-Scale Verification Test Protocol Monitoring and Reporting of Operating Processes	Y
		Enclosure C: Acceptable Analytical Methods, Calibration Methods and Calibration Processes	Y
		Enclosure D: Design, Operating and Monitoring Requirements for Fluoride Adjustment	Y
		Enclosure E: Full-Scale Verification Test Report Format	Y
		Enclosure F: Temporary Full-Scale Verification Test CT Templates	Y
		Enclosure G: Long Term 2 Enhanced Surface Water Treatment Rule Bin Classification Letter	Y
		Enclosure H: CT Templates for an Operational DPR WTP	NA
10-15-2013 Letter/Enclosures		Enclosure I: (10-15-13 letter)	?
		Enclosure J: Full-Scale Verification Test Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates (Replaces 9-5-13 Enclosure A)	Y
		Enclosure K: TCEQ 7-29-13 email	Y

Alicia & Jennelle			Red & Vera		
Investigate	Est. time	Priority	Investigate	Est. time	Priority
Vera: Opening remarks	1.0 hrs.		Vera: Opening remarks	1.0 hrs.	
9-5-13 Letter, Exception Condition Nos. 3 - 4 (WWTP permits)	1.0 hr.	2	2/2/2013 Site Visit findings/letter	1.0 hr.	1
Enclosure J, TCEQ Sample Set -1 J: RR WWTP Effluent	1.5 hr.	1	9-5-13 Exception Condition Nos. 1-2, 5-36 (shutdown, isolation)	2.5 hrs.	1
Enclosure J for 2010 Conventional SWTP sections	6.0 hrs.	1	1-9-14 visit w/1-10 & 13-13 emails, etc	0.5 hr.	2
Enclosure D, Fluoride	0.5 hrs.	2	9-5-13 Letter, FSV Test Protocol section Nos. 1 - 4	0.5 hr.	2
Enclosure B for 2010 Conventional SWTP sections	1.25 hrs.	1	Enclosure J for 2008 MF/RO SWTP and TCEQ 41J & 42J sections	6.0 hrs.	1
Enclosure C (analytical methods, calibration, & calibration frequencies)	3.0 hrs.	1	Enclosure B for 2008 MF/RO SWTP sections	1.25 hrs	3
9-5-13 FSV Test Report section	0.5 hr.	4	9-5-13 Letter, Required DPR WTP CT Studies (needed corrections to WF template)	0.5 hrs.	2
Enclosure E (FSV Test Report Format)	0.5 hr.	3	Enclosures F (FSV Test SWMOR CT templates)	1.0 hr.	5
			Enclosure G (SW source Bin Classification)	0.25 hr.	5
			Enclosure K (monitoring for viruses, Giardia, & Cryptosporidium)	0.25 hr.	5
Vera: Closing remarks	2.0 hrs. ?		Vera: Opening remarks	2.0 hrs. ?	
TOTAL	17.25		TOTAL	16.75	

1987 Payroll Flume TOTAL
split box 196.1
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9-5-13 Letter	
Y	Exception Conditions Nos. 1 -36
Y	FSV Test Protocol Nos. 1 - 4
NA	TCEQ Review of PER and Plans Nos. 1 - 5
Y	FSV Test Report (P. 17 & 18)
Y	Required WTP CT Studies (P. 19 - 21)
N	Industrial Contributions to the RR WWTP (P. 22 - 24)
No. J replaces	Enclosure A: Full-Scale Verification Test Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates
Y	Enclosure B: Full-Scale Verification Test Protocol Monitoring and Reporting of Operating Processes
Y	Enclosure C: Acceptable Analytical Methods, Calibration Methods and Calibration Processes
Y	Enclosure D: Design, Operating and Monitoring Requirements for Fluoride Adjustment
Y	Enclosure E: Full-Scale Verification Test Report Format
Y	Enclosure F: Temporary Full-Scale Verification Test CT Templates
Y	Enclosure G: Long Term 2 Enhanced Surface Water Treatment Rule Bin Classification Letter
NA	Enclosure H: CT Templates for an Operational DPR WTP
?	Enclosure I: (10-15-13 letter)
Y	Enclosure J: Full-Scale Verification Test Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates (Replaces 9-5-13 Enclosure A)
Y	Enclosure K: TCEQ 7-29-13 email
10-15-2013 Letter/Enclosures	

Be sure to start the by confirming once again that they must have specific approval from TCEQ to send water to distribution. - **no matter where the water comes from**

They cannot turn on the 61 or 87 plants since WW effluent is on site

They cannot send the treated ww effluent to distribution without approval

No water leaves the plant without approval.

*Attending to collect information & provide guidance
allow time to respond
who is going to do what*

Go over the items in Enclosure E with the report writer

- Check the SWMOR for the following paramaters
- General set up
- CT parameters
- CT recordings - worst of all data sets
- Turbidity (membrane and conventional) IFE & CFE flows
- DIT