

RED AND VERA

EXCEPTION CONDITIONS	How?	The City meeting requirements?
1. The verification test period must include:		
1.a. At least one continuous operation period of no less than 30 days with at least one of each of the treatment processes in operation. At least one MF membrane unit, RO membrane unit, and gravity media filter must be tested at the City's selected maximum flow rates and operating parameters. The City may be required to start the Full-Scale Verification Test period over if:	MF: #1, 5, 6, 7 (3 during) RO: #4 skid Filter: #1, 2, 3	CIP's collected
1.a.i. Monitoring results, on-site alarms, or other data indicate that the temporary Cypress DPR WTP is producing a filtered water quality that indicates a potential risk to public health or an inadequate supply of water for human consumption will be produced;	NA	
1.a.ii. Monitoring of the RR WWTP effluent for pathogens indicates that a greater removal and/or inactivation is required than the City has received TCEQ approval for;	NA	
1.a.iv. The U.S. EPA revises the allowable maximum contaminant levels for existing regulated contaminants or establishes maximum contaminant levels or treatment technique requirements for chemical or microbiological contaminants that are currently unregulated;	NA	
1.a.v. Substantiated data becomes available establishing a public health risk for one or more unregulated chemical or microbiological contaminants at a specified concentration level in drinking water;		
1.a.vi. The City fails to comply with one or more of the conditions of the temporarily granted exceptions or one of the TCEQ approved Protocol requirements; or		
1.a.vii. Any other event or procedure that the TCEQ determines could affect the temporary DPR WTP effluent quality and create a potential public health risk, such as, but not limited to, change in flux rates, blending ratio, hydraulic loading rates, backwash/cleaning procedures, chemicals used, chemical injection locations, etc.		
1.b. Performing a CIP procedure on the selected MF and RO membrane units;	yes / MF (3 hrs x 7)	total 9 hrs. R.D. = to high ok
1.c. Continuation of the verification testing at the same selected maximum flow rates and operating parameters for at least ten (10) more days after the CIP to verify that the CIP procedures were effective in flux recovery; and	to be done	flux ok
1. d. A CIP procedure performed on the selected RO membrane skid at the same time as the MF membrane unit(s) CIP procedure is performed.	to be done	
2. During the verification testing, the City must monitor and record verification data 24 hours a day and seven days a week at the specified frequencies listed in the TCEQ's Enclosure J: <u>Full-Scale Verification Testing Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates</u> and Enclosure B: <u>Full-Scale Verification Test Protocol Monitoring and Reporting of Operating Processes</u> . If acceptable monitoring taps, on-line monitors or flow indicators are not currently installed at acceptable locations to collect the data in the TCEQ's Enclosures A and B, the City must submit engineering drawings and specifications for the TCEQ's review and approval of these modifications prior to beginning the verification testing.		

some Salt Injection Notification:

R.D. Skid 4 I new membranes

3. Prior to beginning the Full-Scale Verification Test, the Protocol must be amended to include:		
3.a. All conditions for the granting of temporary exceptions listed above in the Requested Temporary Exceptions section of this letter;		
3.b. All requirements in the Pretreatment Requirements section of this letter listed below;		
3.c. All of the requirements in this letter's enclosures and methods to comply with the requirements within each enclosure:		
3.c.i Enclosure J: <u>Full-Scale Verification Testing Protocol Minimum Monitoring and Reporting of Water Qualities and Flow Rates</u> ;		
3.c.ii. Enclosure B: <u>Full-Scale Verification Test Protocol Monitoring and Reporting of Operating Processes</u> ;		
3.c.iii Enclosure C: <u>Acceptable Analytical Methods, Calibration Methods and Calibration Frequencies</u> ;		
3.c.iv. Enclosure D: <u>Design, Operating and Monitoring Requirements for Fluoride Adjustment</u> ;		
3.c.v. Enclosure E: <u>Full-Scale Verification Test Report Format</u> ; and		
3.c.vi. Enclosure F: <u>Temporary Full-Scale Verification Test CT Templates</u> .		
4. Any planned simulated distribution system (SDS) testing for potential increases in disinfection byproduct levels within the City's and purchased water systems' distribution systems. It is recommended that the Uniform Formation Conditions method specified by the Information Collection Rule (ICR) be used.		

Once these changes have been made to the Protocol and the other conditions in this letter have been met, the Full-Scale Verification Test may be conducted.

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1.b. Performing a CIP procedure on the selected MF and RO membrane units;	CIP based on PH	
1.c. Continuation of the verification testing at the same selected maximum flow rates and operating parameters for at least ten (10) more days after the CIP to verify that the CIP procedures were effective in flux recovery; and		
1. d. A CIP procedure performed on the selected RO membrane skid at the same time as the MF membrane unit(s) CIP procedure is performed.		
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