

17.0 REPORT CLOSURE AND RECOMMENDATIONS

The City of Wichita Falls is entering its fourth year of an extended drought, which has depleted its source water reservoirs to below 30% of their storage capacity and requiring the City to declare a Stage 4-Drought Disaster. Furthermore, entering the hot summer months with such low reservoir capacities, make it very likely that the lakes will continue to decline and if aggressive action is not taken immediately, the City of Wichita Falls and its surrounding area could be out of water by the latter part of 2015.

Therefore, in an attempt to extend the useful life of the three water supply lakes, it is recommended that the City of Wichita Falls develop an aggressive action plan to utilize their wastewater effluent by diverting approximately 7.5 MGD of treated effluent from the RRWWTP and conveying it to the Cypress WTP MF/RO facility. At this location the effluent can be treated utilizing the latest membrane technology and then blending it with the Lake Arrowhead and Lake Kickapoo raw surface water sources prior to provided final treatment through the 2010 conventional treatment train at the Cypress WTP.

Finally, it is recommended that the City adopt the following implementation schedule and provide for the required funding of the proposed temporary water reuse project to augment the City's current surface water supply through this extended period of drought.

<u>KEY TASKS</u>	<u>TASK COMPLETION DATE</u>
Submitted Prelim. Engr. Report & Plans For City Review	May 1, 2013
Submitted Prelim. Engr. Report & Plans For TCEQ Approval	May 15, 2013
Completion of Construction	January 3, 2014
TCEQ Approval of Final Engineering Report and Plans	January 10, 2014
FSV Testing Initiated	January 10, 2014
FSV Testing Completed	February 24, 2014
FSV Test Report Submitted	March 14, 2014
TCEQ Review of FSV Test Report	April 15, 2014
DPR Water Sent to Distribution	April 16, 2014