



## CITY OF SUGAR LAND

Engineering Department

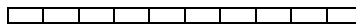
**CIP Project Number:** SW1004

**Title:** Non-Potable Reuse Study South WWTP & Riverstone

**Project Phase:** PER

**% of Phase Completion**

**PER**



**Cost for this Phase:** \$ 75,000

**Funding Sources:** System Revenues

**Project Manager:** Tim Jahn

**Contractor:** TBD

**Consultant:** TBD

**Project Description:** Study of potential applications for treated wastewater effluent from the City's South WWTP. Potential reuse application and distribution systems would be developed in conjunction with, or in addition to, reuse systems being planned by the Riverstone development via the Developer's Utility Agreement.

**Justification:** In the Developer's Utility Agreement between the City and Riverstone, Riverstone is able to receive 4MGD of City effluent for the purpose of supplying a reuse treatment system and subsequent non-potable uses. The City has supply beyond the 4 MGD, and as part of the surface water conversion process, wishes to explore additional reuse opportunities and/or a joint system.

**Updates:** **October 2009-** waiting on response from Riverstone Development as to how and when they plan to use their contracted effluent.

**November 2009-** no changes.

**December 2009-** Riverstone Development submitted Groundwater Reduction Plan (GRP) to the Fort Bend Subsidence District in November 2009, but plan of 4 MGD effluent does not meet Developer's Utility Agreement requirements for reuse per City's perspective. Therefore, decision pending with Fort Bend Subsidence District as to whether GRP will be approved. Until GRP decision made, no action will be taken to utilize effluent beyond 4 MGD.

**January 2010-** no changes. Still waiting to hear from FBSD as to whether GRP will be approved.

**February 2010-** no changes. Still waiting to hear from FBSD as to whether GRP will be approved.

**March 2010-** meeting held in early March with Riverstone Development staff and City staff to determine next steps. Based on meeting, current plans to utilize South WWTP effluent appear to be cost prohibitive. City staff will coordinate as needed with Riverstone Development design consultant to determine the most cost effective method to utilize the effluent.

**April 2010-** no changes.

**May 2010-** no changes.

**June 2010-** City staff continue to coordinate as needed with Riverstone Development design consultant to determine the most cost effective method to utilize the effluent. Based on meeting in March 2010 with Riverstone Development, proposed plans at that time to utilize South WWTP effluent appear to be cost prohibitive.

**July 2010-** no changes.

**August 2010-** no changes.

**September 2010-** City staff continue to coordinate as needed with Riverstone Development design consultant to determine the most cost effective method to utilize the effluent. Riverstone Development has not submitted a satisfactory plan to the City and therefore no plan of action approved to utilize South WWTP effluent.