

## EMPIRE OPTION PLANNING AND DESIGN TIMELINE

The Oregon Department of Environmental Quality (DEQ) has a required course of action for communities to follow when doing planning and design for wastewater treatment facilities. This course of action must be followed should the community want to qualify for grants and loans available from DEQ. The course of action involves three major efforts. They are Facility Plan, Pre-design Report and Final Design Plans. Each of these major efforts has particular actions, criteria and information the community must complete and or provide.

2004 - The City of Coos Bay contracted with consultant who started preparation of a Facility Plan for Wastewater Treatment Plant #2 (WWTP #2).

2008 – The Facility Plan is approved by DEQ. The City hired a consultant to prepare rate and cost of service study to ensure City's waste water fees/rates are adequate to pay for capital improvements need for WWTP #2 and other waste water infrastructure.

2009 – Pre-design report preparation starts. Early in the preparation of the Pre-design we learned that the selected alternative identified in the Facility Plan, and approved by DEQ, will not work on the property we have available.

2010 –Council authorized funding to perform a Feasibility Study to determine if relocation of WWTP # 2 operations to the North Spit was a viable alternative. Other options were also explored that included, pumping all the waste to WWTP 1, and expanding the current WWTP 2 site into property located east of South Empire Boulevard. After evaluating other alternatives, city staff and our consultant determined that moving the current WWTP #2 to larger nearby property would be the best option.

As these alternatives and the best option had not been fully vetted by the Facility Plan process and approved by DEQ, DEQ required that the City complete a Facility Plan Amendment (FPA) to include evaluation of the alternatives and best option.

2011 – The City contracted with a consultant to prepare the FPA. Within this FPA, the City investigated several alternatives related to influent facilities, treatment, and disinfection. Additionally a value analysis (VA) of the FPA was performed for the City by a third party consultant. The VA team included CH2M HILL staff, City Staff, Charleston Sanitation District representatives, and a DEQ representative. The VA confirmed the most cost effective solution for the City.

2012 - After the VA, the FPA was finalized. A contract was awarded to SHN/CH2M Hill to complete a preliminary design report for WWTP #2.

2013 – Pre-design report is completed to 90% and Value Engineering analysis done with a third party firm facilitating. The City Council approved the CMGC delivery method for construction of the WWTP2. Mortenson Construction is selected to perform the CMGC services

2014 – Completed pre-design. The final design of WWTP2 was started and completed. State Revolving Fund (administered by DEQ) loan application submitted to DEQ. Environmental permit application submitted to US EPA

2015 – Expect to receive environmental approvals and loan financing Fall of 2015.

2016 - Expect to commence with construction January 2016.