

Sewer System Upgrades – Phase I **\$10,000,000**

During heavy rain events, common to the area, sanitary sewer overflows (SSO's) occur, dumping untreated sewage into critical waterways. As the system continues to be strained by additional growth, these overflows will increase in the number of locations and amount of sewage discharged from the system, thus impairing water quality and causing public health and environmental hazards. The project will include the purchase of all equipment necessary for the City to develop its own assessment team for system mapping, videoing, line inspection and cleaning, and point repairs. The system's Supervisory Control & Data Acquisition (SCADA) equipment will be upgraded to ensure system reliability and portable generators will be purchased to provide continuous facility operations during power outages. Phase I activities can be implemented immediately for the prevention of SSO's during future rain events.

Sewer System Upgrades - Phase II **\$30,000,000**

There is a need to construct a new smaller WWTP to be located on the East side of US Highway 98 along growth corridors, near AL Highway 181. A site will be selected for treatment and discharge that meets the approval of ADEM through required NPDES permitting. There is also a need to extend the existing outfall line at the City's main WWTP further out into Mobile Bay. The existing discharge lies only about half a mile off the shoreline. This creates dangerous public health and environmental hazards when a leakage occurs. Engineers recommend that this outfall line be extended further out into the Bay to protect the water quality. Finally, the City will aggressively rehabilitate the existing sanitary sewer collection system by utilizing Cured-In-Place-Pipe (CIPP) methods to reline the old clay pipes and manholes that are allowing inflow and infiltration of storm water into the system. The project proposed in Phase II will solve the long-term problems that exist within the system.

Eastern Shore Sanitary Sewer Overflows (SSOs) Prevention Plan **\$1,000,000**

The cities of Daphne, Fairhope and Spanish Fort make up the Eastern Shore area, which is one of Alabama's fastest growing areas. The Cities' sanitary sewer systems function adequately during normal and dry-weather conditions. But during heavy rain events, common to the area, SSOs occur, discharging untreated sewage into Mobile Bay. A critical and urgent need exists to develop a plan for the rapidly growing Eastern Shore area to eliminate/minimize the frequency of SSOs. This project will provide funding necessary to contract with professional engineers and planning experts to bring area wastewater system operators and stakeholders together to identify comprehensive mitigation measures. The goal will be to identify the short term facility needs to capture excess flows into the sewer systems to improve Water Quality and provide Environmental Protection for Mobile Bay. The types of work that will be studied for this plan will include methods and locations for side-stream storage of excess inflows during heavy rain events. The project should identify locations and capacities for side-stream storage, additional pump capacity required to utilize the facilities, improved SCADA equipment to monitor and activate the facilities in the plan and all automated valving and control equipment required to create an automatic and functional system for capturing excess wastewater inflows to avoid sewer overflows that escape into Mobile Bay.