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LCDA Breaks Ground for New Water Reclamation Facility in Tradeport East

MIDWAY, GA – The Liberty County Development Authority (LCDA) recently celebrated the groundbreaking for their new 2MGD water reclamation facility in Tradeport East, which will serve a significant portion of the eastern end of Liberty County.

The water reclamation facility will utilize membrane bioreactor (MBR) technology to provide high levels of treatment, including phosphorus and nitrogen removal. The treated wastewater will pass through a membrane process with extremely small openings that filter out pollutants and then will be disinfected using a high intensity ultraviolet light system. The treatment process is compact, can be expanded modularly, produces a higher quality effluent, and requires fewer treatment steps compared to other treatment technologies, such as sequencing batch reactors (SBRs). A portion of the plant effluent will be used for beneficial reuse purposes such as landscape irrigation.

LCDA Chairman Allen Brown remarks on why the LCDA selected the MBR system by stating, “ Since our new water reclamation facility will serve developments on or near the coast, we realized the importance of being as environmentally sensitive as possible. While the MBR cost us more money than some of the other systems out there, it is a proven technology that allows us to be good stewards to the environment.”

Site preparation for the plant will begin in June with anticipated completion by August. The vertical construction is scheduled to commence in October and be complete by mid-2010.

CH2M Hill, an award winning engineering firm consistently ranked high in publications like Engineering News-Record, designed the plant.

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