

SUMMARY OF PPEA PROPOSALS FOR UPGRADE AND EXPANSION OF WASTEWATER TREATMENT PLANT

In accordance with the Guidelines for Public-Private Education Facilities and Infrastructure Act of 2002, Caroline County has received two proposals that propose to expand and upgrade the Caroline County Regional Wastewater Treatment Plant. The proposed plant expansion and upgrade are necessary in order for Caroline County to comply with its DEQ permit for discharge into the Chesapeake Bay Watershed

Each proposal was made by a team consisting of a Design Engineer and a Licensed Class A Contractor. The two proposals listed in no particular order are as follows:

English Construction Company, Inc. and Wiley / Wilson

This team partnered to propose the design and construction for an upgrade and expansion of the existing facility to a 1.5 MGD average daily flow that will achieve total nitrogen < 3 mg/l and total phosphorus < 0.3 mg/l. This proposal incorporates construction of or modifications to the following areas: Administration and laboratory, Grit removal from existing Septage receiving station, influent pump station, influent screening, influent grit removal facility, Peak-flow equalization, 4-Stage Bardenpho Enhanced Nutrient Removal Process, methanol storage and feed system, Secondary clarification, RAS/WAS pump Station, Filter Feed Pump Station, Gravity up flow continuous backwash filtration, Ultraviolet disinfection, Aerobic Digestion, Non-potable pump station, Sludge dewatering, Recycling-stream pump station, Recycling-stream equalization, Electrical, Instrumentation and Controls, SCDA

Mid Eastern Builders, Inc and Reid Engineering Company, Inc. (MEB/REC)

The MEB/REC team proposes to design and construct the expansion and upgrade of the existing facility capacity from 0.5 MGD to 1.5 MGD and to facilitate a future expansion to 3.0 MGD. The design will consider limits of technology to meet current Chesapeake Bay Limits for nitrogen and phosphorus as required by the County's NPDES and General Permits. In general, the proposed upgrade and expansion project consists of the following: Septage Receiving Station, Influent Pump Station, Headworks, Equalization, Biological Nitrogen & Phosphorus Treatment System, Filtration System, Clarification, Chemical Feed, Sludge Handling, Electrical and SCADA.

The complete proposals can be viewed at the Caroline County Public Utilities Office during regular business hours and include the following information: Qualifications, Organizational Approach, Experience, Past Projects, Contact Info, Financial Statement, Disqualification Statement, Staffing Plan, Safety Programs, Project Characteristics, Project Description, Caroline County's Work and Responsibilities, Permitting, Adverse Impacts, Positive Impacts, Risk Allocations and Liability, Operational Assumptions and Restrictions, Phase Operation, Warranties & Guarantees, Resumes and Quality Assurance Plan