



ST. PAUL, MINNESOTA FIXED-PRICE DESIGN-BUILD BLACK & VEATCH

Metropolitan Council Environmental Services (MCES) operates and maintains seven wastewater treatment plants in the Twin Cities seven county area. MCES needed to replace an aging and undersized wastewater treatment plant to meet the demand of a growing population. The project required an aggressive design and construction schedule. The new facility was built around the existing one to maintain operations during construction. Once a functional treatment block was available, the new plant was brought on line and the corresponding treatment block on the existing facility was demolished to allow construction of the next treatment block of the new facility.

The Eagles Point Wastewater Treatment Plant lump-sum design-build project was contracted through a competitive best-

value selection and awarded to a joint venture consisting of Black & Veatch and Knutson. Black & Veatch was responsible for project management, design, engineered equipment procurement, and start-up services for the \$44.7 million, 10 MGD facility. The facility includes biological nutrient removal, UV disinfection and sludge thickening. Completion of the solids and liquids facilities was staged to allow the site to continue treating wastewater, sometimes in a treatment train consisting of new and existing infrastructure. Extensive planning took place, which included input from the MCES's operations staff.

The project was completed on time, with no permit excursions occurring during the construction and operational transfer phases.

