



Above; In July of 2002, USEPA Region 5 O&M Awards Coordinator David Stoltenberg (left), presents a 2001 Certificate of Commendation Award for operational excellence, to the staff of the Cambridge WWTP. To David's right are Todd Schwab, Spt., Robert Bredeson, Opr., John Bergloff, Opr., Ted Knudson, Opr., Betsy Potrament, Assistant, and Jason Roswold, Opr. Not present is Randy Hatch, Opr., who is away with the National Guard.

Sculpted into the side of a low bluff overlooking the Rum River, is one of the most attractive water pollution control plants in Minnesota. The Cambridge Wastewater Treatment Plant was designed not only to handle a 1.8 MGD flow rate, but is well blended into its surrounding terrain. One can always tell a good architectural design when the facility looks as though it belongs where it is.

#### Engineering Accolades

An extensive plant expansion, completed in 1995, won a 1994 Grand Award from the Consulting Engineer Council of Minnesota for engineering excellence for the A/E Bonestroo, Rosene, Anderlik, and Associates. The entire plant remains today as a testimony to sound engineering and operational principals.

#### The Process

Upon arriving at the plant, the .763 MGD average raw flow goes through screening and grit removal. After

pretreatment, the flow can either be either split or run into one of the two process lines. One line includes primary clarification, trickling filters, submerged biological contactors, RBC units, and secondary clarification. The other line employs oxidation ditches, sand filtration, chlorination, and dechlorination. Sludges are thickened using a belt filter press, two stage anaerobic digestion, and storage for land application. This process averages 96% BOD and TSS removal, 95% ammonia removal, and 78% phosphorus removal.

The diversity of the process is necessary due to some large industrial contributors. Approximately 16% of the total inflow comes from industrial users.

Taking the time to visit this diverse and attractive plant is well worth your time.

