U-TUBE RECOVERY 1

CUSTOMER

ROCK RIVER WATER RECLAMATION

LOCATION Rockford, Illinois

APPLICATION

(3) UTR1-605I18SSS each recovering heat (1,363,000 Btu/hr) from a digester gas fired engine generator, reducing the exhaust gas temperature from 852°F to 377°F @ 2,344 SCFM; raising the temperature of glycol/water loop @ 280 gpm from 210°F to 221°F



The Rock River Water Reclamation District covers nearly 88 square miles of Winnebago County and serves over 250,000 people. During the treatment process, the anaerobic digester speeds up the breakdown of solid waste which produces methane gas. This gas is used as a fuel to operate an engine generator. The heat is recovered from the generator by Cain heat recovery units and is used to heat the digester. The facility saves the district approximately \$40,000 each month in electricity.

"Manufacturing Waste Heat Transfer Products to Save Energy"

industries