

CASE STUDY

PRODUCT: COLMAC COIL AIR-COOLED GLYCOL COOLER

APPLICATION: 200 kW FUEL CELL COOLING

(QTY) X MODEL: (5) X AFV-400-D

DESCRIPTION:

The US Postal Service was searching for a reliable source of back-up power for the sorting center in Anchorage, Alaska. The sorting center processes 1.4 million pieces of mail each day. Power supply interruptions were raising havoc with the sorting robots and computers, and the mail would have to be reprocessed, losing time and money.

The decision was made to install five 200kw fuel cell modules with Colmac Coil Manufacturing AFV-400-D remote heat rejection glycol coolers. Each fuel cell unit contains stacks of fuel cell modules that are cooled from glycol circulated through the Colmac Coil glycol coolers. Each cooler provides cooling for 25 gpm of 50% propylene glycol, rejecting 450,000 Btuh of heat.

The result was a satisfied customer and another successful Colmac Coil application.

"The Heat Transfer Experts"

