

# MICROGUARD<sup>®</sup>

HVAC

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## CASE STUDY: Lignite Coal Burning Power Plant — Northeast Texas



Treated with MicroGuard<sup>®</sup> AD35



Untreated heat exchanger

**Situation:** Oil cooled heat exchangers deteriorate rapidly, due to corrosive environment, losing heat transfer ability.

**Solution:** Utility plant conducted a test of Adsil MicroGuard<sup>®</sup> AD35 to see if product could arrest accelerated corrosion and to see if coils would stay cleaner, thus reducing heat transfer loss.

**Results:** After one year, the MicroGuard<sup>®</sup> AD35 treated heat exchanger exhibited a one degree loss of heat transfer, while the uncoated exchanger showed a 26 degree loss. The MicroGuard<sup>®</sup> treated unit looks better and is easier to clean and maintain. The fins/coils do not clog up with contaminants like the untreated unit. Corrosion was greatly diminished on the treated unit.