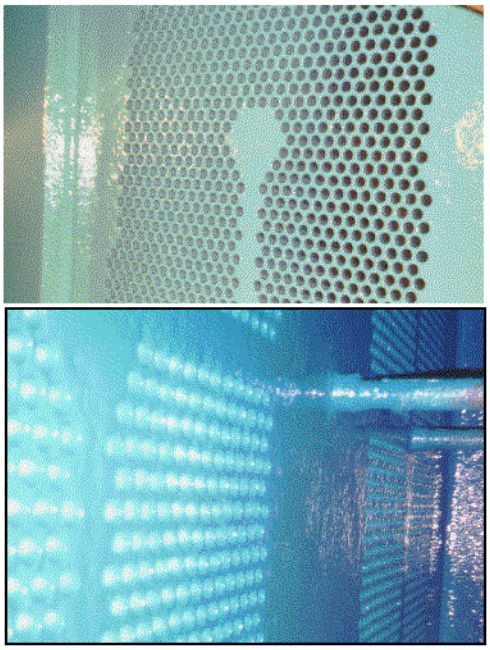
ARCOR® International
EPOXY TECHNOLOGIES™

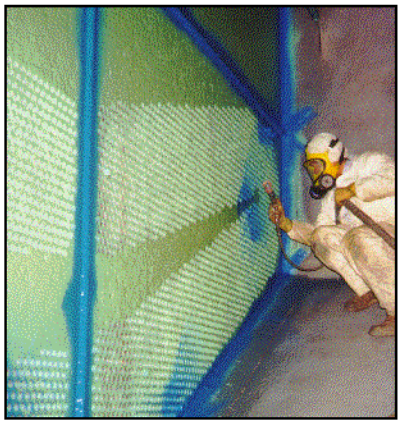
MAIN CONDENSER COATING

CASE HISTORY #039 REV.04-97



LOCATION:
South Ukraine Nuclear Power Plant Unit #1, Ukraine

PRODUCT:
ARCOR™ S-30 Prime, ARCOR™ TS-RB, ARCOR™ S-30



PROBLEM:
This nuclear power plant had problems with a general leaking of the condenser at the tube to tubesheet joint. Continued sever scaling of the tube internals was causing a steep decline in heat transfer.

SOLUTION:
The unit has 116,000 9 meter, 26mm ID 95/4/1 CuNiFe Tubes and 24 Carbon Steel tubesheets at 25 M2 each. All tubes were to be cleaned and all tubesheets coated.

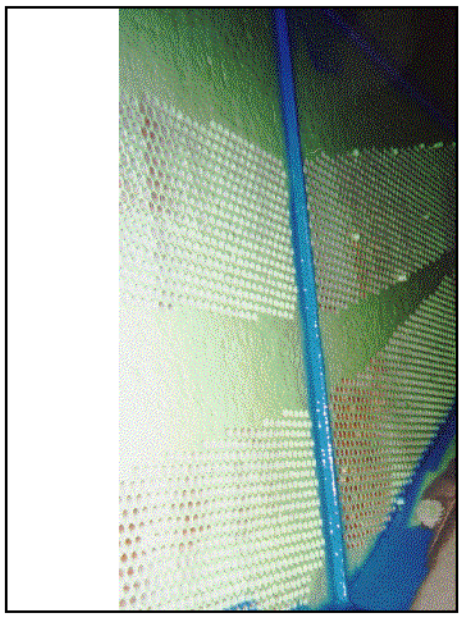
MAIN CONDENSER COATING

CASE HISTORY #040 REV.04-97

LOCATION:
South Ukraine Nuclear Power Plant Unit #2, Ukraine

PRODUCT:
ARCOR™ S-30 Prime, ARCOR™ TS-RB, ARCOR™ S-30

Severe scaling of the tube internals was causing a steep decline in heat transfer. All 116,000 tubes and tubesheets were cleaned and all tubesheets coated.
The tubes were cleaned using a 4 hp air powered tube cleaner with an attached 15 M rotating flexible shaft with a carbide bit and brass brush mounted on the end.
S-30 Prime and S-30 were spray applied in 2-coats to a final DFT of 50 mils without the use of coating plugs.
The condensers of all 3 units were coated with the ARCOR S-30 system.



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