



Arrow Canyon Complex Chuck Lenzie Station

Air Cooled Condenser Pipe Inspection 2009

Chuck Lenzie Station



1100 MW
4 GE 7FA Gas Turbines
2 GE D11 Steam Turbines

Chuck Lenzie Station Air Cooled Condenser



Manufacturer:
GEA Power Cooling

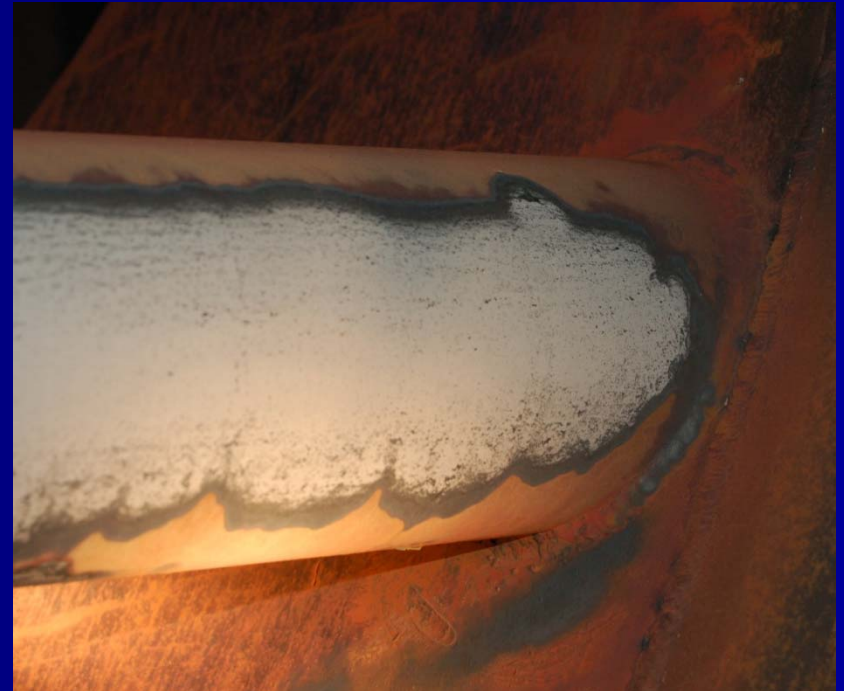
100 Fans (50/block)

FAC?

Conventional Condenser Oxygen
Corrosion



Observed Corrosion in Lenzie
ACCs



FAC?

Conventional Condenser Oxygen
Corrosion

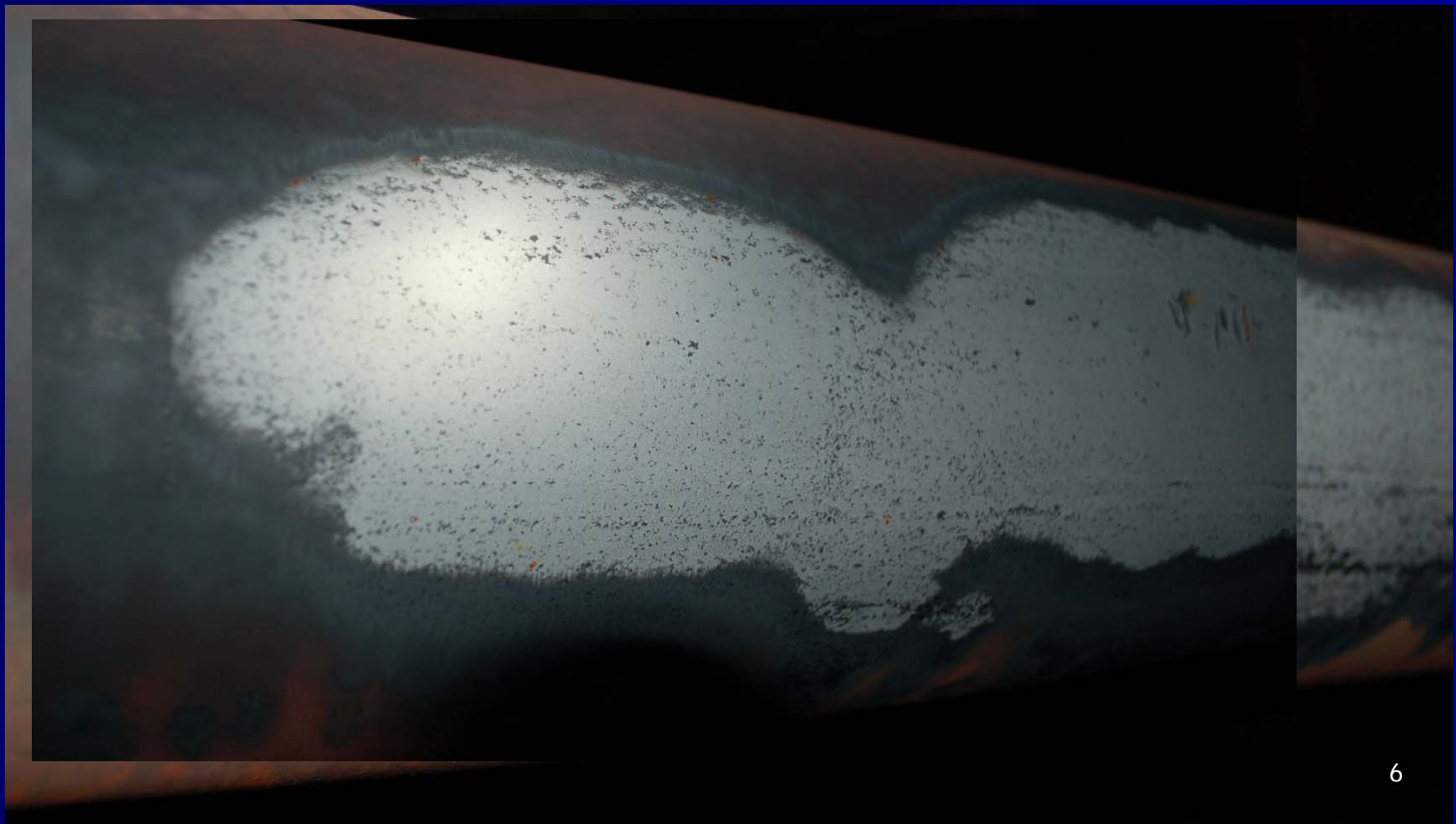


Observed Corrosion in Lenzie
ACCs



Yearly Inspections

2008 2009



Yearly Inspections

Strange Corrosion Striping ...

2008



Yearly Inspections

Strange Corrosion Striping ...

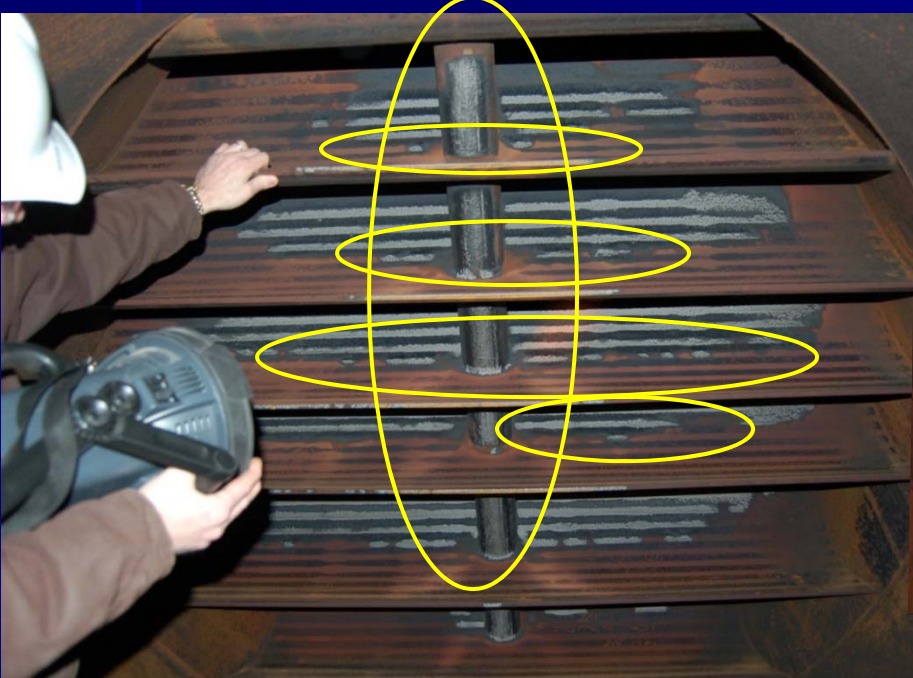


Existed at
Construction

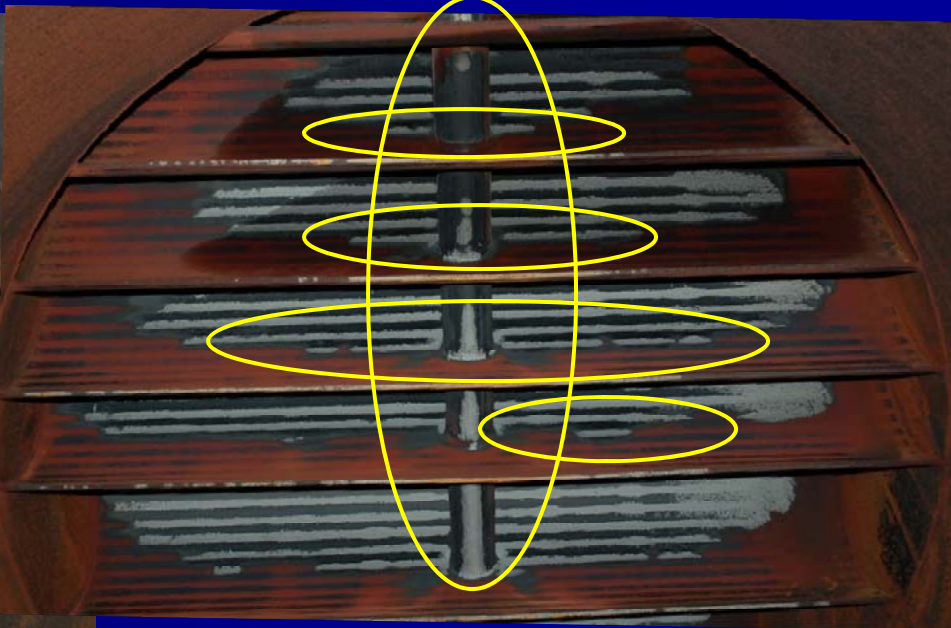


Yearly Inspections

2008



2009



Rupture Disc Replacement GE D11 LP Turbine



Comments

- Corrosion pattern resemblance to conventional condenser air-in leakage lead to air-in leakage investigation
- Helium leak detection indicated leaks in LP turbine relief diaphragms (ACC diaphragms OK)
- Yearly PM set up for helium leak detection
- Air ejector flow rate added to operations rounds
- Possibly add air ejector flow to DCS and data historian.



Arrow
Canyon
Complex

Questions