

M&M Engineering's Boiler Tube Failure Handbook



Hole—Waterside



Locations	Evaporator Section
Boiler Type	HRSG
Industry	Co-Gen

Appearance	Severe corrosion on side of tube facing gas turbine/duct burners
Mechanism	Multiple underdeposit corrosion mechanisms including caustic gouging, phosphate attack, and hydrogen damage
Comments	Corrosion caused by a combination of pre-construction deposits, poor chemistry control, and high heat flux from duct burners.

