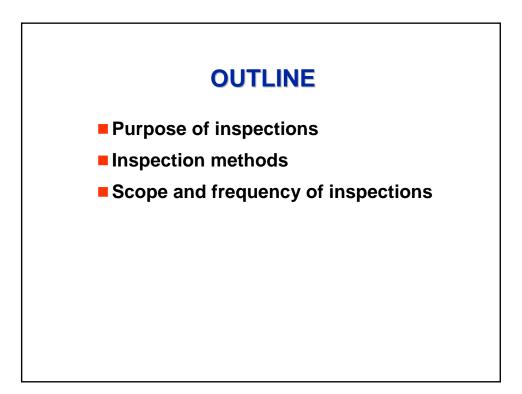
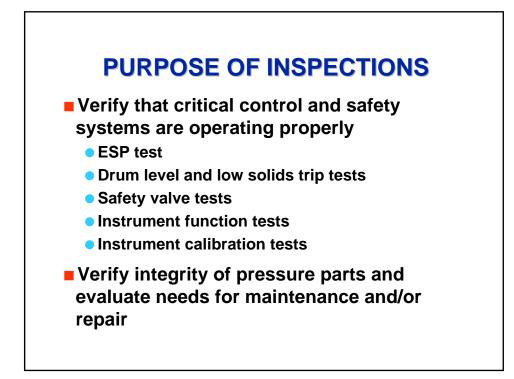
INSPECTION OF RECOVERY BOILERS

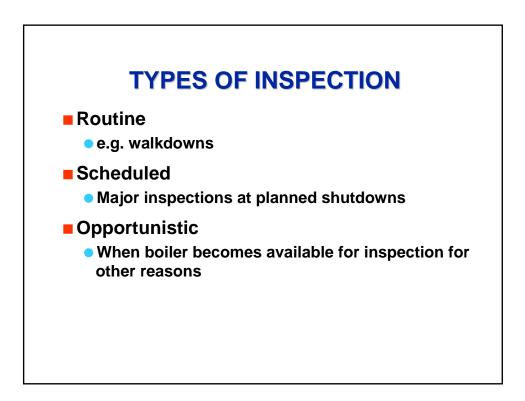
W. B. A. (Sandy) Sharp

SharpConsultant, Columbia, Maryland, U.S.A.

TAPPI Kraft Recovery Short Course St. Petersburg, Florida, January 7-10, 2008

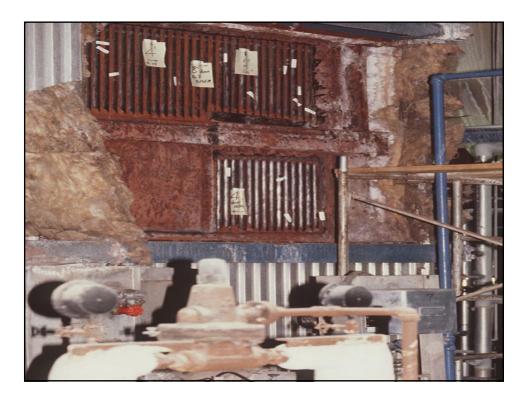


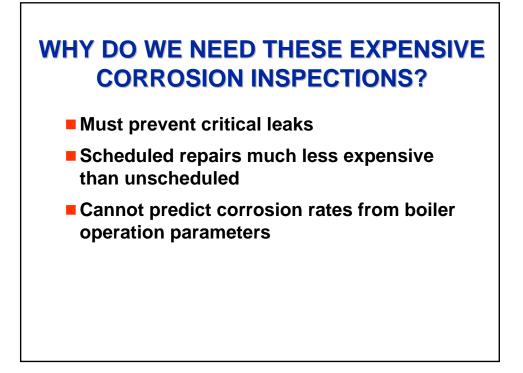


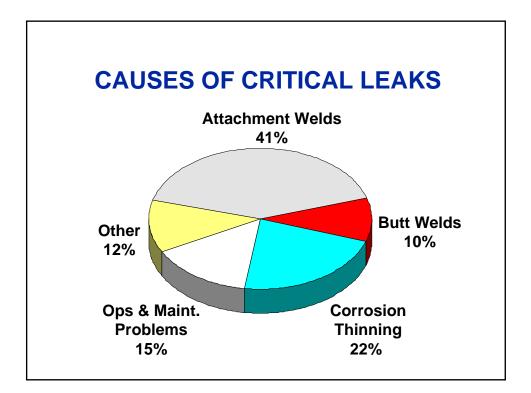


AUDIT PROGRAMS USEFUL TO EVALUATE PERFORMANCE

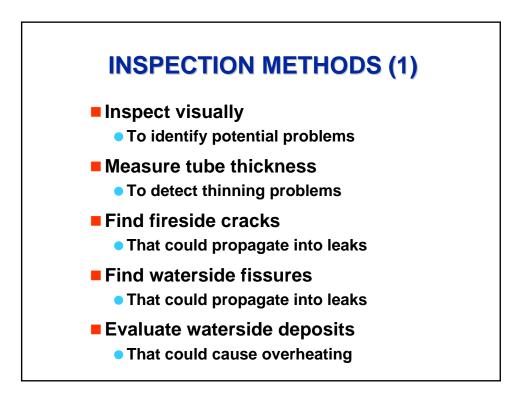
- Operational performance
- Personnel organizations, progression, training
- Operator procedure checklists
- Boiler and auxiliary system inspections
- Corrosion inspections
- Rectification of non-compliant items
- Audit scope needs regular review

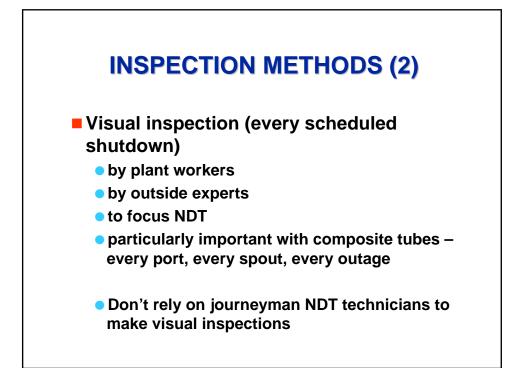


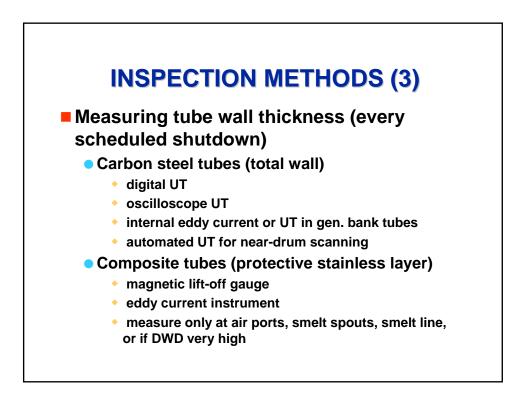


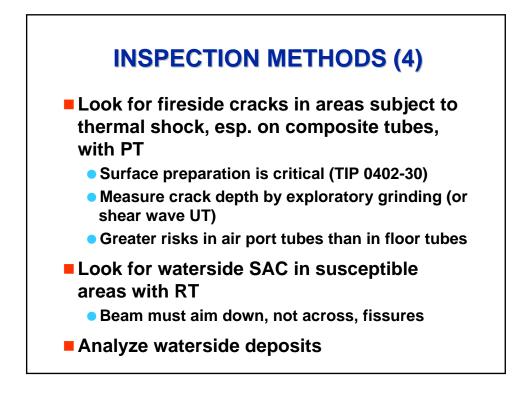


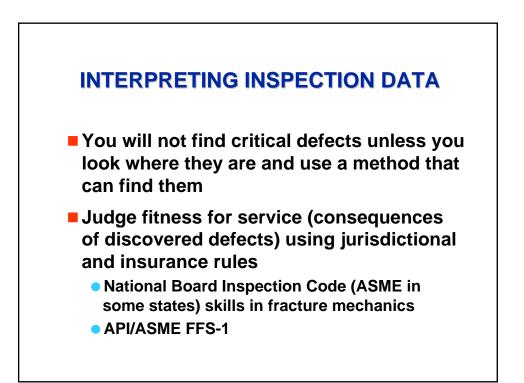


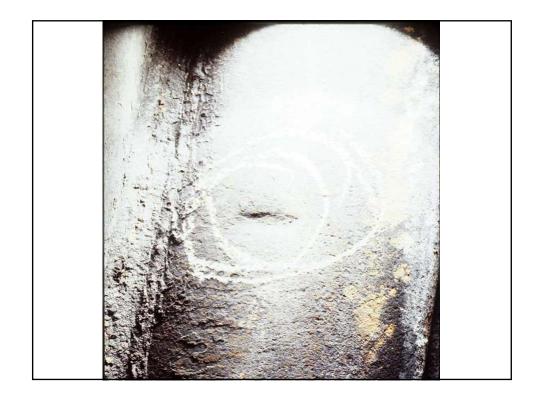


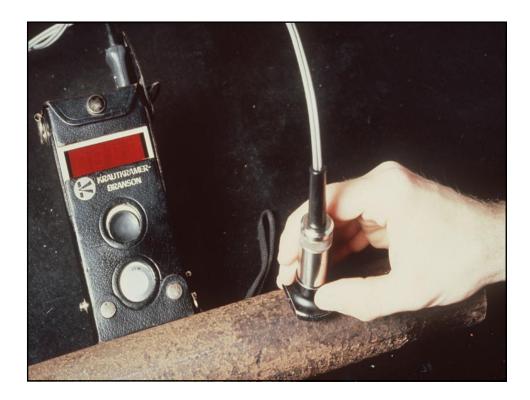


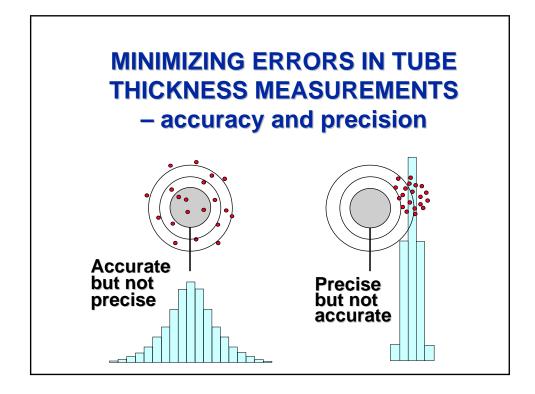


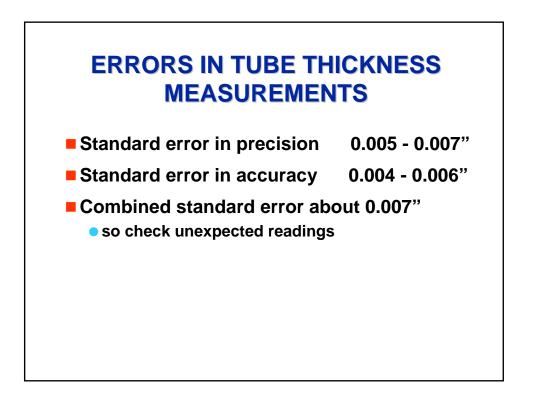


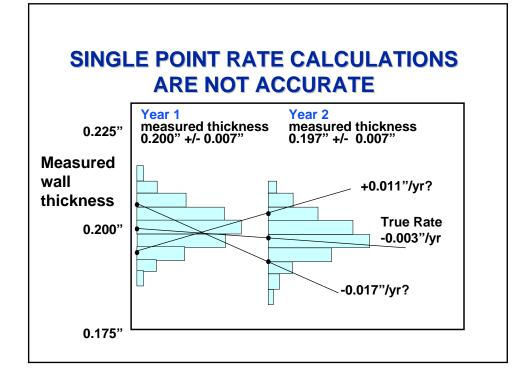


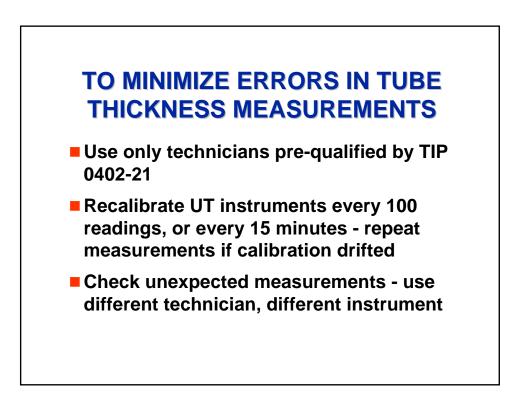






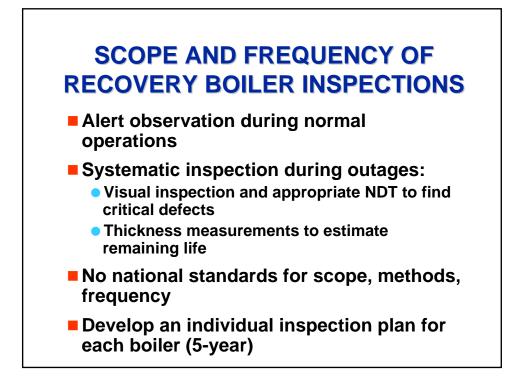


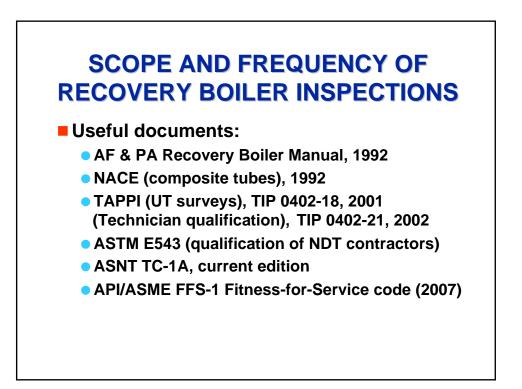


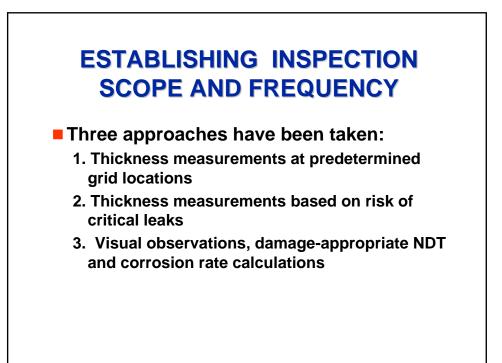


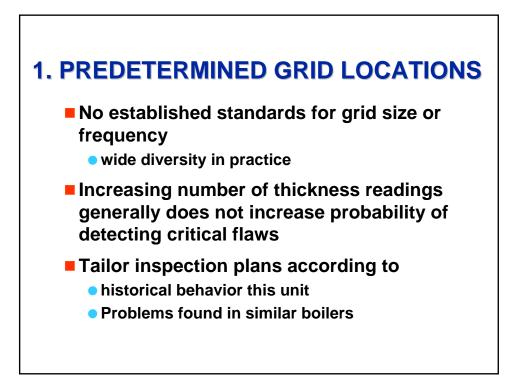


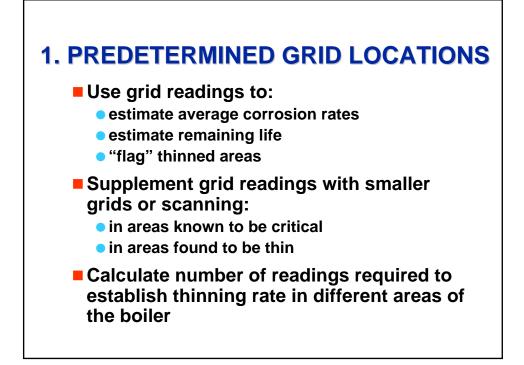


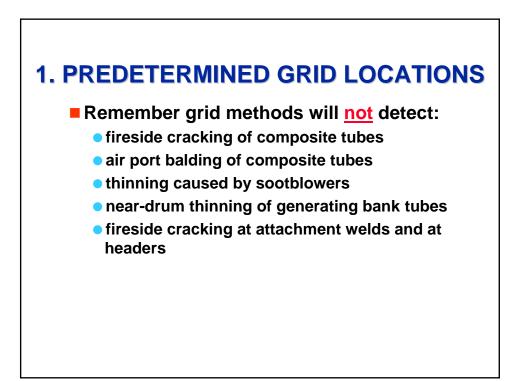


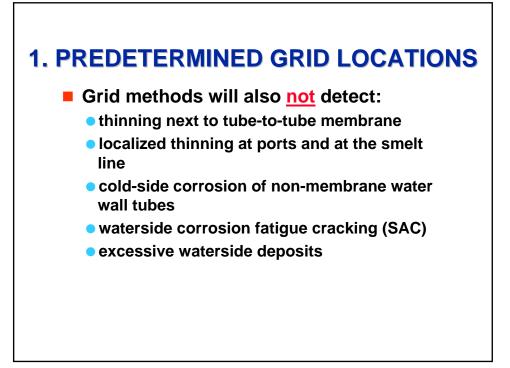




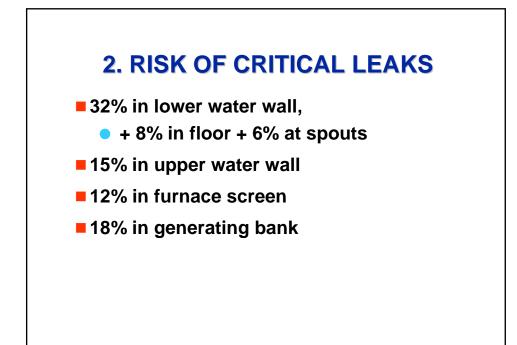












Relative grid sizes:	
 Floor 	4 x 4
Lower water wall	1 x 1
Upper water wall	2 x 2
Generating bank	2 x 2
Roof	2 ¼ x 2 ¼
Furnace screen	2 2/3 x 2 2/3
Air port tubes	scan 100%
Why is this a bad app	proach?

