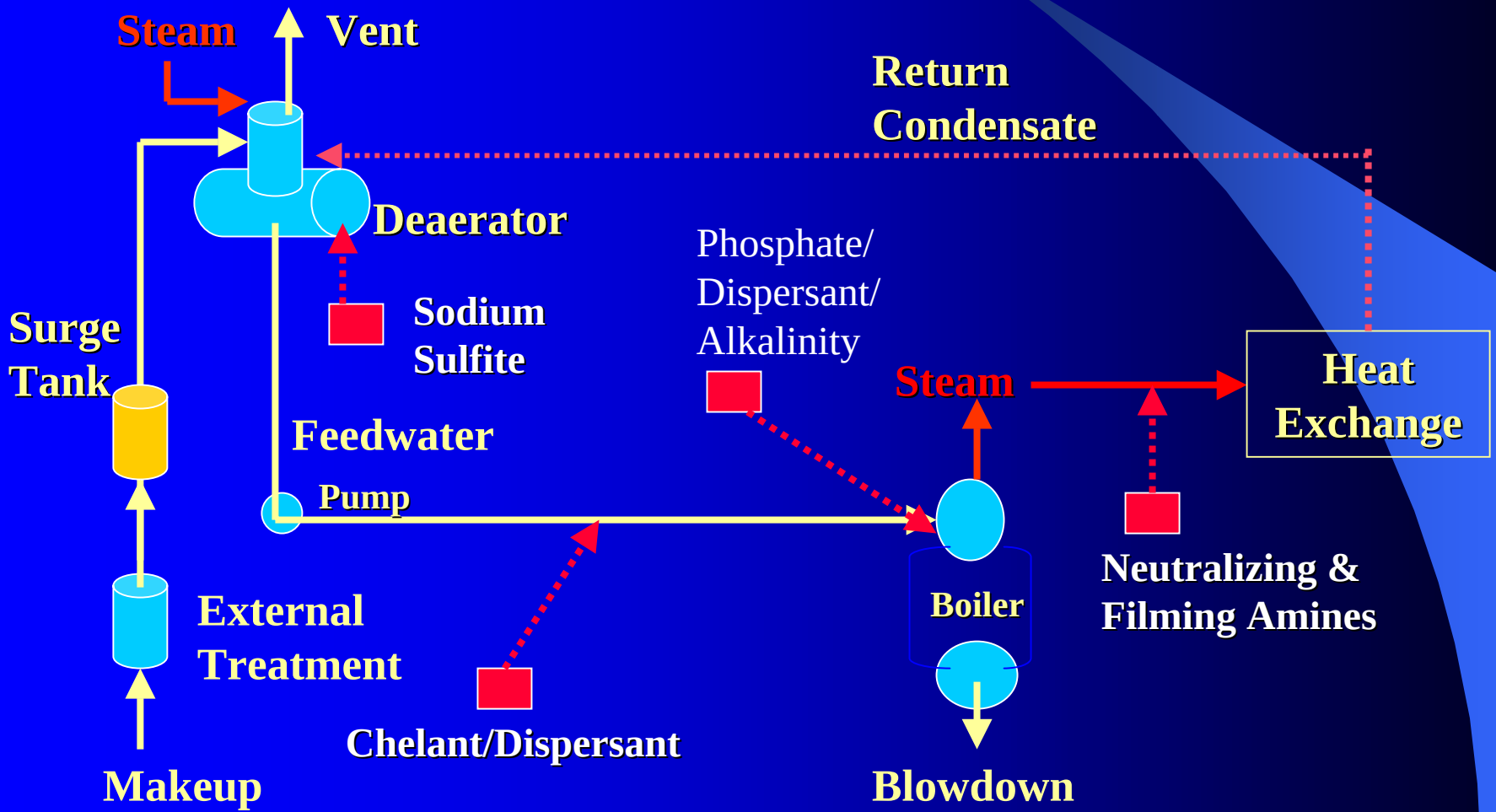
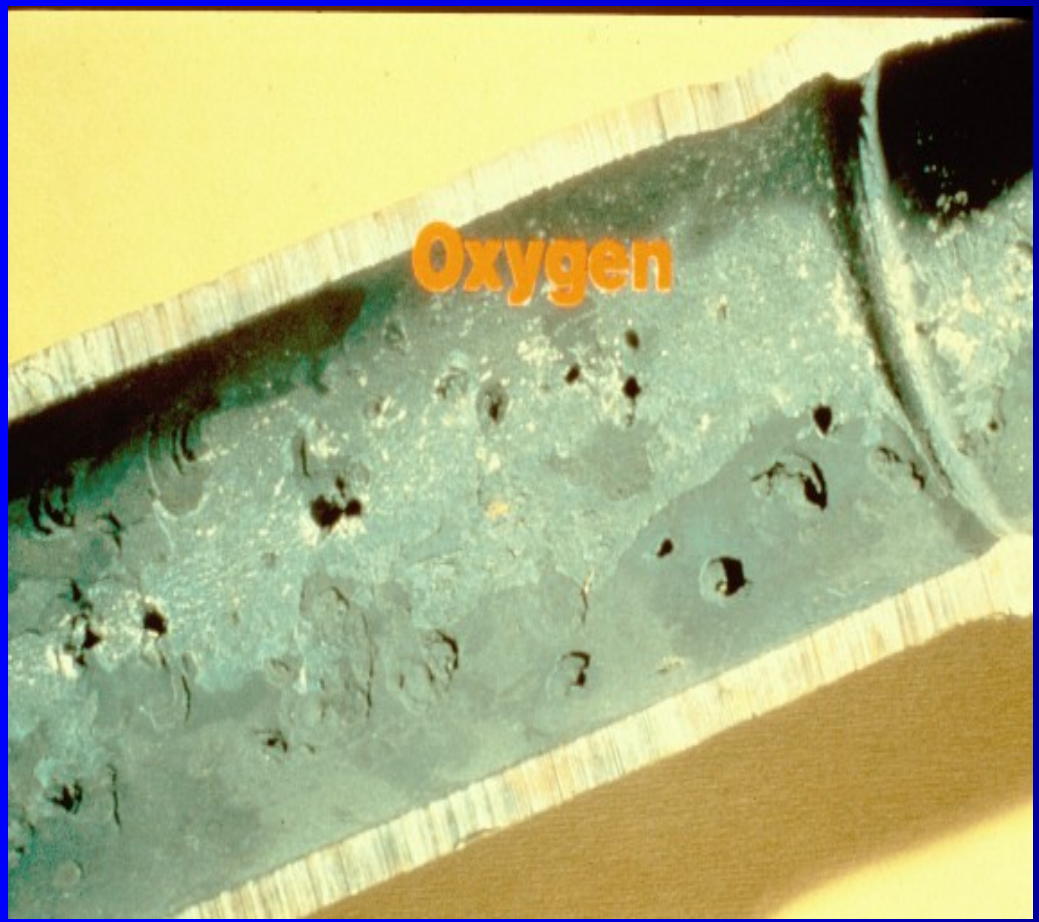
Chemical Feed Points

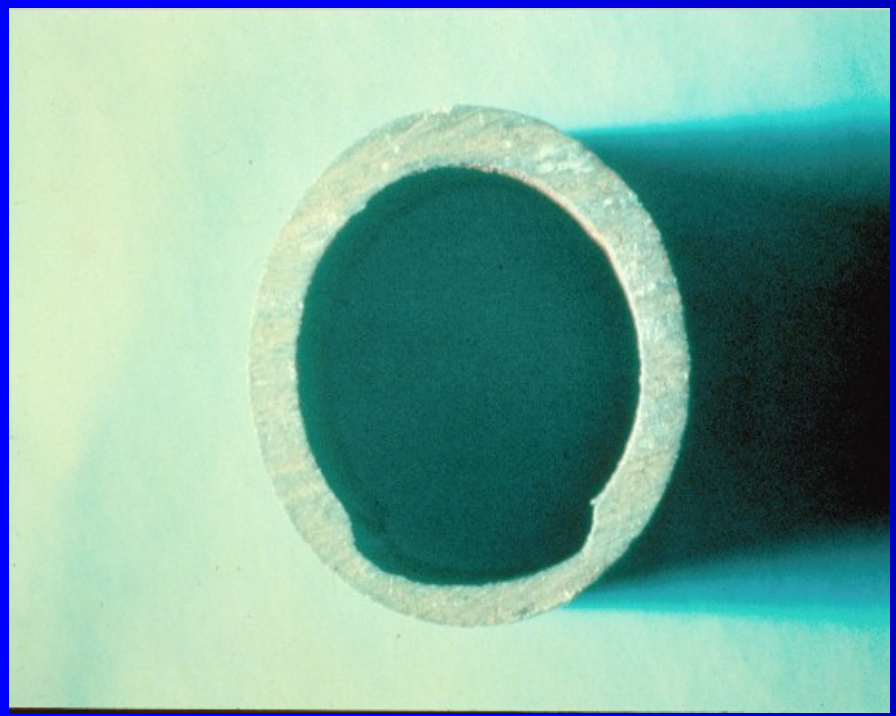


Oxygen Pitting Contamination



- When Oxygen enters the condensate return system, it will cause pitting on the top of the condensate return line.
- Oxygen can enter the system through vacuum breakers that are placed in the heating systems or on long runs to prevent water hammering.
- Oxygen can enter the system through open condensate receivers.

Carbonic Acid Attack



- Carbonic acid once formed, reduces the pH of the condensate.
- This acidic condensate then gradually eats away at the bottom of the condensate line, until the metal becomes thin enough for it to leak. This usually occurs first at the threaded section of the line.
- Besides destroying the condensate return piping, carbonic acid attack will bring iron back to the feed water system and to the boiler.
- This iron will cause increased corrosion, form deposits, eat up any chelant in the boiler and interfere with the dispersant program