

## Fire Tube Corrosion Issue Resolved with PureCoat™ Corrosion Inhibitor Application

### Challenge

The customer was seeking a cost effective product to treat severe corrosion issues on fire tubes. Tube failures were occurring on average every 6-9 weeks. Downtime was resulting in lost production and increased labor costs to take vessel out of service for repair.

### Solution

PureCoat was selected as the primary treatment after fire tube samples were analyzed in our laboratory. Once the fire tubes were repaired and inspected, a 2 mil film of PureCoat was applied. The application of PureCoat was performed with standard spraying equipment.

### Benefit

Since the PureCoat application, fire tube failures have been eliminated for 26 consecutive months and still counting! The life of the fire tube has been extended by over 1300%. No additional re-applications of PureCoat have been required.

### Technical Information

PureCoat™ is a unique patented, binary corrosion inhibitor designed for use in storage vessels and fire tubes in both sweet or sour environments. The film becomes a part of the surface and flexes with the changes in temperature unlike standard epoxy coatings. This film forms a superior bond to the metal surface and minimizes hot spots.

