



2010 **Title:** **Evaluation of Superheater Corrosion in a Recovery Boiler**

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ABSTRACT:

The paper evaluates corrosion that was observed in the lower bends of the secondary superheater and in straight sections of the tertiary superheater at the Visy Recovery Boiler near Tumut, New South Wales, Australia. Several alternative technical solutions were evaluated to remedy the problem. The best approach to solving the superheater corrosion was found to be upgrading the superheater tube material as well as implementing a plan to reduce the amount of potassium in the mill's liquor system.