

## **Case Study #6: MeadWestvaco**

Covington Virginia

### **UNDESIRABLE EVENT SUMMARY:**

During the years of 2007 and 2008, there were 19 failures on thick stock pumps on A and B unit in the Bleach Room. Several attempts had been made to implement corrective actions for the pumps but ultimately failures were still occurring. Thick stock pumps are a big ticket item ranging from \$60,000 to \$120,000 per rebuild due to the tight clearances and amount of material it takes to machine the pumps. It was determined by maintenance that the pumps could be rebuilt in-house in the bleach room maintenance shop. This has been very successful and has cut the cost of maintenance dramatically and has proven to have had greater reliability. Performing the rebuild by MWV millwrights has brought ownership and pride of the repairs and operations of the thick stock pumps. Although production loss was not used in the Opportunity Analysis for these failures, it would have been a significant factor in the loss equation for these events.

### **BOTTOM-LINE RESULTS:**

- There are substantially less failures on these critical pumps and defects are caught before they cause catastrophic problems
- In-house rebuild of pumps has resulted in greater ownership and pride on the performance of the pumps
- Maintenance cost in 2010 YTD (July) are approximately \$25,000 compared to roughly \$500,000 in 2006 and 2007 in the same timeframe.

### **RCA TEAM STATISTICS**

- Start Date: 7/30/2008
- End Date: 10/20/2008
- Estimated Cost of Performing the Analysis: \$20,000
- Approximate Savings: \$700,000 per year
- Estimated ROI: 3500%