

**Case Study: Pulp & Paper Slurry Filtration**  
July 2012



Photo A

**PT. Tjiwi Kimia**  
**Pulp & Paper Mill**  
Indonesia

**APPLICATION:** Slurry pump in a pulp and paper processing mill.

**PROBLEM:** The slurry pump and its components have been subject to premature wear due to excessive amount of bale wire contaminating the pulp slurry mix. The current magnetic filtration system was unable to remove the majority of this wire.

**SOLUTION:** Beny Hermawan of PT. Sinarmentari Indoprime, the OEI distributor in Indonesia, recommended the installation of OEI's 3000 Series magnetic rod (3RNC5812) to replace the unit's current, insufficient magnetic filtration system.

**RESULTS:** Photo A shows a close up of a substantial amount of ferrous wire contamination captured by the OEI magnetic filter rod in the pulp slurry mixture after only eight hours in operation.

Production Manager, Mr. Mundir and Assistant Maintenance Manager Mr. Mashudi were very satisfied with the results of the OEI magnetic filter rod. They have since requested the application of custom OEI magnetic filter rods to be produced to replace the previous magnetic filtration system in other areas of the plant to help protect the integrity of the equipment.

**RECOMMENDATION:** The OEI magnetic filter is easily cleaned enabling analysis of trapped contamination for component wear identification and aiding in predictive maintenance planning. For more information, contact our office at 877-888-8727 or visit our website at [www.oneeyeindustries.com](http://www.oneeyeindustries.com)