

## Background

One of the largest paper companies in Indonesia is P.T. Aspex Paper.

In 1990 Aspex Paper expanded its paper machine line, increasing its capacity to convert recycled newspaper into corrugated packaging materials to nearly 1.5 million pounds a day. It also built a wastewater treatment plant capable of treating 2.6 million gallons a day.

## Goals

Aspex management was looking for a process that could treat a large quantity of water in a short period of time. They set very stringent treatment parameters for themselves in order to meet potentially tougher government standards. This required a system that was not maintenance intensive.

## Solution

Aspex installed eight of AEROMIX's 100-horsepower TORNADO Aspirating Aerators in two oxidation ovals, along with four 30-horsepower TORNADOs in an equalization basin.

These horizontally mixing aerators provided strong circulation in the basins while aerating without spraying or splashing. The elimination of splashing prevented odors.

The new paper machine and treatment plant began operations in May 1991. Water quality exceeded their expectations.

# A Case Study; AEROMIX

"Specialists in Aeration and Mixing Equipment"

## Wastewater Treatment Plant P. T. Aspex Paper, Indonesia



The eight TORNADOs in the two oxidation ovals have run continuously since start up.

Except for grease, the aerators have not incurred any maintenance costs.

The TORNADOs have helped the plant meet and exceed government effluent standards, winning several awards from environmental groups in Indonesia.

The plant has not experienced any down time resulting from mechanical failure and the budgeted annual maintenance expense is returned to the company's bottom line.

## Footnote:

In mid-1996, P.T. Aspex Paper will commission another paper line capable of converting an additional one million pounds of newspaper a day, and build a wastewater treatment plant capable of treating 5.25 million gallons a day. Aspex Paper ordered an additional fourteen 100-Hp and five 50-Hp TORNADOs from AEROMIX for two new oxidation ovals and an equalization basin.

