

- **Södra Cell group installs the BioTector® in Mönsterås Bruk plant.**

- BIOVECTOR® 970 INSTALLED AFTER EXTENSIVE TRIALS AT MÖRRUM BRUK, WHICH VALIDATED THE RELIABILITY OF THE BIOVECTOR IN PULP AND PAPER WASTE WATER MONITORING APPLICATIONS.
- THE BIOVECTOR® 970, WITH ITS WIDE BORE SAMPLE LINES AND FILTER FREE SAMPLE INTAKE PROVIDES A FULLY REPRESENTATIVE MEASUREMENT OF THE TOC LEVEL IN THE WASTE WATER.

## Background

Mönsterås Bruk is located on the south east coast of Sweden. The company is part of the Södra Cell group, a co-operative owned by some 33,000 forest owners.

The plant produces bleached pulp, and has a capacity to process one large lumber truck-load of timber every 4 minutes.

As the coastline around the plant is an ecologically sensitive area, the owners of the plant take pride in the fact that the plant should have as little impact on the environment as possible.

## Application Description

The BioTector® is a crucial part of the companies plans to introduce a new six stage effluent treatment and recovery system, designed to reduce both the level of waste produced by the various processes in the factory and the also the COD loading in the final effluent.

- The BioTector® is used to monitor the TOC levels at various stages in the process, thereby allowing the optimisation of the new waste water treatment and recovery plant.
- By taking an un-filtered sample, the BioTector® provides the WWT plant with a truly representative measurement of the TOC in the waste-water. Instead of filtering out the particulates found in the waste, the BioTector includes these in its sample, and oxidizes them in its reaction chamber.
- Additionally, a cleaning cycle valve was fitted which allows for the cleaning of the sample lines with a suitable cleaning fluid, thus preventing the build-up of bacterial contamination.

Theses features, combined with the BioTectors® ability to operate for long periods with the minimum of maintenance ensures that the BioTector® provides accurate and reliable data for the control of the WWT plant in Mönsterås Bruk.



Above: The BioTector® installed by the WWT lagoon.

Right: The plant at Mönsterås Bruk.