



Stora Enso Paper Mill Selects an ADI-SBR

The Stora Enso recycled board mill near Barcelona, Spain, made a decision in April 2004 to install an ADI-SBR (sequencing batch reactor) on a design-build basis by ABT, ADI's Spanish partner for the project. Construction started late in 2004 and will be completed in 2005.

After primary treatment by dissolved air flotation, cooled (to 36°C) and equalized wastewater is pumped to the ADI-SBR system, which comprises two reactors. Nutrients, nitrogen, and phosphorus are added for good biological growth. Waste activated sludge is sent to a sludge tank and then dewatered.

ADI Systems supplied the following services: process design, review of ABT's detailed design, controls logic diagram and description, trips to site for inspections, process start-up, operator training, bilingual process operating manual, and follow-up.

ADI supplied the following equipment: two floating stainless steel ADI Model ASD decanter assemblies, jet aeration system, and miscellaneous process equipment.

The future design conditions are as follows:

Flow	4200 m ³ /d
BOD	4600 kg/d
TSS	400 kg/d
Temp	36°C (maximum)

and the effluent limits are:

COD	200 mg/l
BOD	40 mg/l
TSS	40 mg/l

Each reactor has a volume of 5900 m³, and there are three 3300 m³/h aeration blowers.

The basins are fitted with DO, pH, and T sensors.

ADI Systems Inc

www.adisystemsinc.com

systems@adi.ca

Corporate: 1133 Regent St, Ste 300
Fredericton, NB E3B 3Z2 Canada

Branch: PO Box 397
Wolfeboro, NH 03894 USA

Phone: 506.452.7307 / 800.561.2831 (USA and Canada)

Phone: 603.569.0955

Fax: 506.452.7308

Fax: 603.569.0957