

PROJECT DESCRIPTION

Smelt Dissolving Tank Vent System CASCADES EAST-ANGUS East Angus, QC

PROJECT SCOPE

The project consisted in collection, transport and scrubbing of the smelt dissolving tank vent of the pulp mill, to comply with Total Reduced Sulfide (TRS) and particulate regulation in Canada.

Mesar / Environair was mandated to provide engineering and supply of the new scrubbing system at the Cascades mill of East Angus, QC.

At East-Angus mill, the scrubbing System consist in :

- a spray tower, with recirculation and weak wash as alkaline make-up



The smelt dissolving tank vent is collected and safely transported via an exhaust fan, and sent to a dedicated spray tower scrubber with a stainless mesh pad to control washing solution carryover.

Other key equipment like relief valve, recirculation pump, pH control system were supplied to insure a safe system design.

RESULTS

The system was installed in December 1996 as scheduled. Performance trials in winter 1997 showed that the smelt dissolving tank vent scrubber consistently operates, and the mill is then in compliance with provincial regulation with an up-time higher than 99%.

Since the start-up, the spray tower runs flawlessly.