

PROJECT DESCRIPTION

Diluted Non Condensable Gas (DNCG) System CASCADES EAST-ANGUS East Angus, QC

PROJECT SCOPE

The project consisted in collection, transport and treatment of diluted NCG of the pulp mill, to comply with Total Reduced Sulfide (TRS) regulation in Canada.

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

At East-Angus mill, the DNCG Sources to be collected were :

- brown stock washer hood and filtrate tank vent
- knotter hood



The DNCG sources were then collected and safely transported via a exhaust fan, and sent to a dedicated alkaline packed tower scrubber for chemical oxidation.

Other key equipment like mist eliminator, fiber filter and recirculation 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 DNCG system and scrubber consistently operate, and the mill is then in compliance with provincial regulation with an up-time higher than 99%.

Since the start-up, both DNCG system and scrubber run flawlessly.