

## PROJECT DESCRIPTION

### **Concentrated Non Condensable Gas (CNCG) System CASCADES FJORDCELL Jonquière, QC**

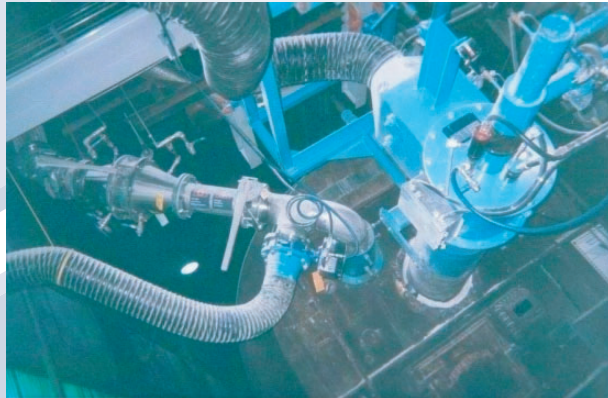
#### PROJECT SCOPE

The project consisted in collection, transport and incineration of concentrated 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 NCG system at the Fjordcell mill of Jonquière, QC.

At Jonquière mill, the CNCG Sources to be collected were :

- blow heat recovery secondary condenser vent
- concentrator vents
- evaporator seal tank vent



The CNCG sources were then collected and safely transported via a steam ejector, and sent to the lime kiln for incineration.

Other key equipment like NCG injection nozzle, kiln burner, relief valve, flame arrester and rupture disk were supplied to insure a safe system design.

#### RESULTS

The system was installed in December 1998 as scheduled. Performance trials in winter 1999 showed that the CNCG system and lime kiln consistently operate, and the mill is then in compliance with provincial regulation with an up-time higher than 99%.

Since the start-up, both CNCG system and lime kiln run flawlessly.