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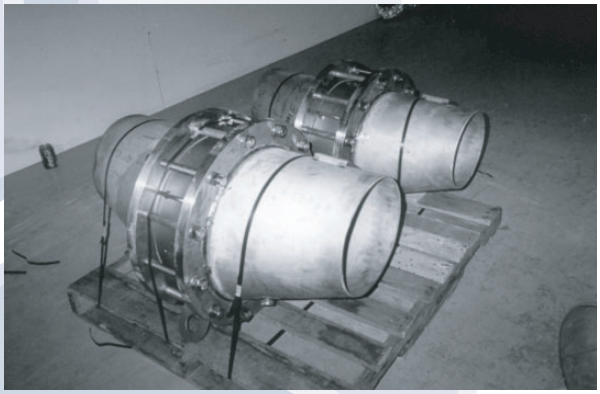
PROJECT DESCRIPTION

Concentrated Non Condensable Gas (CNCG) System
BOISE CASCADE
De Ridder, LA

PROJECT SCOPE

The project consisted in collection, transport and incineration of concentrated NCG of the pulp mill, to comply with MACT I phase I (Cluster Rules) of EPA in USA.

Mesar / Environair was mandated to provide engineering and supply of the new NCG system at the BC mill of de Ridder, LA.



At de Ridder mill, the CNCG Sources to be collected were :

- turpentine plant vents
- steam stripping tank vent
- blow heat recovery system vent
- evaporator seal tank vents

The CNCG sources were then collected and safely transported via a steam ejector, and sent to the power boiler #2 (primary) and power boiler #1 (backup) for incineration.

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

RESULTS

The system was installed in November 2000 as scheduled. Performance trials in winter 2001 showed that the CNCG system consistently operates, and the mill is then in compliance with Federal regulation with an up-time higher than 99%.

Since the start-up, the CNCG system runs flawlessly.