

PROJECT DESCRIPTION

Blow Heat Recovery System (BHRS)
MENASHA CORPORATION
Otsego, MI

PROJECT SCOPE

The project consisted in blow heat recovery of waste steam coming from the pulp mill blow tank.

Mesar / Environair was mandated to provide engineering and supply of the new BHRS at the Menasha mill at Otsego, MI.

At Otsego mill, the vapor sources going to the BHRS were :

- blow steam coming from a Pandia digester
- Pandia relief



The steam was then transferred from the blow tank to the new direct contact condenser to recover heat using white water.

Other key equipment like cyclone fiber separator, rupture disk, relief valve and flame arrester were supplied to insure a safe system design.

RESULTS

The system was installed in February 2001 as scheduled. Performance trials in March 2001 showed that the BHRS system consistently operates, and the mill has decreased its energy requirement to reheat white water of to the paper mill.

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