



Location
Karlsruhe Germany

Completed date
1993

End User
Badenwerk Powerstation

Contractor

Description

Flue gas Desulphurization using highly abrasive gypsum slurries are more and more common in the power industry.

The pipes in these desulphurization units are loaded chemically or abrasively or both.

For pipelines working with abrasive gypsum slurry, rubber lined steel was a common choice. However, a lot of problems have been reported on the rubber lining and the lack of binding to the steel pipe. As soon as the rubber lining failed, corrosion problems occurred.

Wavistrong pipes offered a lot of advantages:

- no maintenance
- even in case of damage due to abrasion:
 - the abrasion will be local and equal and will not damage a protective coating resulting in failure of the total line
 - if repair is needed, it is easy to perform in a short time
 - components are light weight : easy to install in a complex plant environment

However, no failure was reported over the last 12 years.

Scope

Our scope included:

- Engineering
- Fabrication
- Review after 1 yr full continuous service.

Pipe System

The supplied pipe system is a special Wavistrong EST pipe system ID 150 mm (6") up to and including 750 mm (30").

