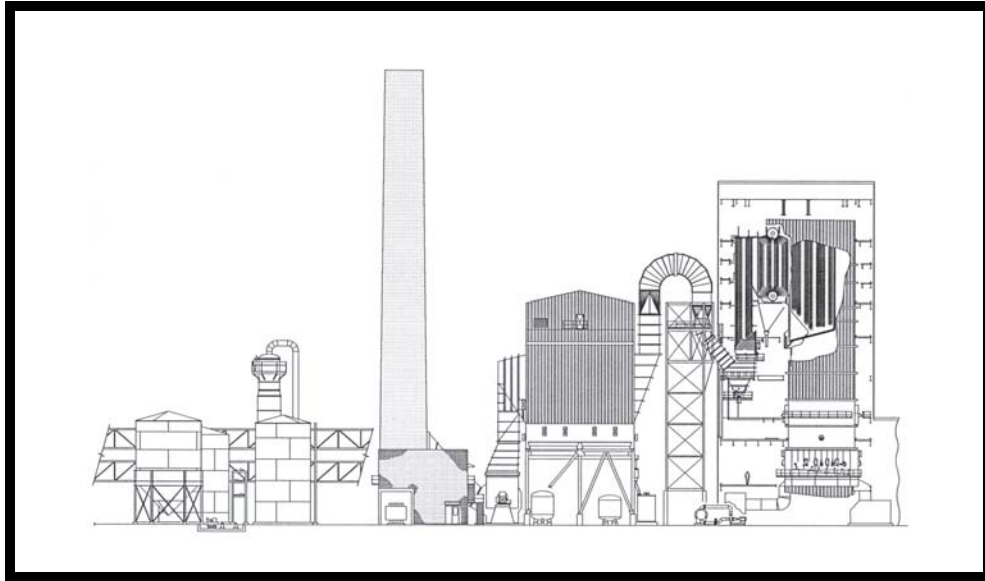


PROJECT CAPABILITIES

RECOVERY BOILER LOW ODOR CONVERSION



Conversion of a conventional recovery boiler (equipped with a cyclone or cascade evaporator) to the direct fired, low odor configuration consists of the following major aspects:

- Removal/demolishing of the cascade or cyclone evaporator.
- Installation of a liquor concentrator.
- Installation of additional economizer surface, either by complete replacement with a large vertical flow economizer, or adding a small second economizer unit.
- Replacement of the ID fan to handle higher gas temperatures.
- Modification of the wet bottom precipitator to dry bottom configuration to eliminate direct contact between liquor and flue gases.
- Installation of associated ductwork and liquor piping.

Scope of Service

JANSEN is capable of performing all engineering functions related to converting a conventional recovery boiler to a low odor configuration, including equipment specification, design of the economizer, and all ducting and piping design.

Selected References (see next page)

Selected References

Kimberly-Clark Forest Products Inc. - Terrace Bay, ON (partial)
Skeena Cellulose, Inc. - Prince Rupert, BC