

PROJECT CAPABILITIES

FLUIDIZED BED BOILERS BUBBLING / CIRCULATING (BFB / CFB)



Scope of Service

In addition to the stoker fired waste fuel boilers, JANSEN conducts evaluations on Bubbling Fluidized Bed (BFB) and Circulating Fluidized Bed (CFB) boilers. Our services include the following:

- Field testing to collect operating data and establish performance and baseline conditions.
- Engineering evaluation of critical design and operating parameters.
- Analysis of erosion factors.
- CFD modeling.
- Steam/water circulation analysis.
- Determination of conceptual boiler modifications.
- Budgetary cost estimates.
- Addition of in-bed heating surfaces
- Over-bed combustion air delivery
- Incineration of HVLC and LVHC NCG.

Selected References (see next page)



Selected References

Boise Cascade - Rumford, ME
Bowater, Inc. - Calhoun, TN
Catalyst Papers - Port Alberni, BC
Domtar, Inc. - Kingsport, TN
Georgia-Pacific - Clatskanie, OR
International Paper Company - Courtland, AL
Sonoco Products Co. - Hartsville, SC
Tacoma Public Utilities - Tacoma, WA
Thailand Biomass Boilers - Thailand