

Plant Technical Information

The main plant data are as follows:

- Bubbling Fluidised Bed Boiler (Kvaerner Pulping Oy) three-stage HP Superheater
- Two radial type Flue Gas (I.D.) Fans, capacity 2*60%
- Fluidising Gas Nozzles
- Rotary regenerative type flue gas Air Preheater
- 180 tonnes fluidised bed sand
- Normal bed temperature 910 degrees C
- Electrostatic Precipitator for Dust Removal
- SO2 Abatement system

Turbine	Two cylinder, triple pressure condensing machine operating at 3,000RPM
Cooling System	Forced Draft Cooling Towers (seven)
Fuel Consumption	One million tonnes Biomass/year
Electrical Output	120MW/c. 980GWh per year
Plant Efficiency	38.4%
Make-up	Water 220m ³ /hour abstracted from river Figile at Clonbullogue
Emissions	Strict IPPC licence from EPA
Ash	c. 32,000 tonnes/year to licensed landfill