

Biomass CP/Waste Recycling Complex

Pengarnddu Industrial Estate, Merthyr Tydfil CF48 2TA

Plant summary Information Sheet

A recently carried out visual inspection of the property identified the following plant items and is for general information only and should not be relied upon.

The list is not exhaustive and as the plant is understood to be in a non operative state of repair interested parties must make their own assessment.

- 1) Wood Chipper – Laimet HP-28-LS
- 2) Wood Screener with magnet system – Pearson Comet 1560
- 3) Wood Chip Dryers – two “grain drying” type drying floors
- 4) Wood Chip Store & Feed System – Jansen & Heuning
- 5) Gasifiers – four Biomass Engineering Ltd
- 6) Gas Filters - two hot gas filters
- 7) Shell And Tube Heat Exchangers – Enalco
- 8) Venturi Scrubber
- 9) Gas Blowers – two
- 10) ESP/Biodiesel Scrubber
- 11) CHP Engines/Generator – Two Jenbacher JGS320GS-SL
- 12) Generators – Two Stamford generators connected at 415V
- 13) PLC controller within a plant room
- 14) Air Compressor - Boge
- 15) Gas Flare System
- 16) Heat offtake system
- 17) CHP engine containers

Additional information –

Each of the 2 x Jenbacher engines is plated as having a rated output of 588kW. Each engine is fitted with a 728kW Stamford Generator. One engine may be subject to a finance charge – please see legal pack.

The OFGEM register states that the application for the plant is for a 1,000kW electrical output system

The main electricity meters have recorded a maximum export from the site of 732kW; therefore the total net electrical output of the plant has never exceeded 732kW.

The total exported electricity as recorded by the main electricity meter is 18,400kWh which was recorded between May 2009 and March 2010; this gives an average of 2.55kW per hour or 18 full load hours over the ten month period.

There is an additional meter installed which appears to also measure electrical export; although this meter is not an official Western Power Distribution Export meter. This has recorded 46,695kWh of electrical export since installation.

Even if this higher electrical export figure of 46,695kWh is considered, as the full rated output of the plant is 1,000kW, then full load operating hours of the plant has not exceeded 46hours over the ten month period.

Discussions with Western Power Distribution (WPD) enabled the tracing of the meter serial numbers and confirmation that there is a live connection for import and export at the site. There is an 11kV connection which connects to a substation ID 553429 with a declared 2,100kW capacity.

As the site has achieved accreditation for the Renewable Obligation (RO) with OFGEM, it is concluded that a successful G59 connection was achieved at time of installation (this is a condition of RO accreditation).

The plant is still classed as a 'live' installation for Ofgem's Renewable Obligation, after receiving RO accreditation in 2010. As the term of the RO is 20 years, the plant has 14 years of RO subsidy remaining. The previous plant owner 'MIS Biomass Ltd' is a going concern and is registered with OFGEM as the named 'Owner Organisation'

There is a live electricity connection for the import of electricity to the site, but there is no existing contract for the export of electricity from the site.

Please look at the legal pack for further information affecting the sale.

