
Biffa – IVC Etwall, Derby



Plant Details
30,000 tpa, Type 3 Green
waste
ABPR & PAS100 Certified

Client
Biffa Waste Services Ltd

Lead Designer
Melia Smith & Jones Ltd

Process Designer
Christiaens Controls B.V.

Civils Contractor
G F Tomlinson & Sons Ltd



Melia Smith & Jones were initially appointed directly by Biffa Waste Services Ltd to assist them with developing and costing the civil elements of a proposed green waste In-Vessel Composting (IVC) plant at Etwall, Derbyshire. Melia Smith & Jones worked with Biffa and Fichtner Consulting Engineers to select a process designer and to tender the works in two Design & Build packages, namely Process and Civil Works.

Melia Smith & Jones subsequently took on the lead designer role for the Civil Contractor, G F Tomlinson & Sons Ltd, and carried out the detailed design work through to contract completion.

Melia Smith & Jones design work included:

- Site entrance road
- Site wide layouts and external works plans
- Building general arrangements
- Foundation design
- Design and detailing of all concrete works incl. IVC tunnels
- Drainage (surface, dirty water and leachate)
- Co-ordination with building services designers
- Co-ordination/liaison with the Process Designers



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