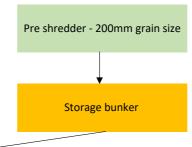
Redcar Energy Centre - Fuel preparation facility process logic.

Process 1. Principal function of the fuel preparation facility is to receive pretreated waste material to be liberated and transferred to main Material reception hall boiler house. Annual throughput 200,000 mt Anticipated maximum residence time 4 days Stored in 450m³ secure bunkers. Concrete lego block design. Material received densified and wrapped as per industry best practice. Process equipment employed to mechanically split the bales Bale breaker/feeder and liberate material To provide additional fire protection breaks, the liberated material Storage bunker held in a bunker prior to loading into moving floor feeder. Process 3 Material transferred to feed bunker as required Moving floor feeder. Walking floor bunker to feed baler on demand. Also provides an additional loading are for pre sized material. Volume to be confirmed - 3 options available **Bridge conveyor**

High level bridge conveyor spanning the road and transferring fuel to the EFW plant bunker in the adjacent building .

Process 2



Stand alone shredder

The fuel preparation facility is expected to receive and treat material received from the local market and rejected by the main boiler house Estimated volume 60-100 mt/daily

Single pass sub 200mm production

To provide additional fire protection breaks, the liberated material held in a bunker prior to loading into moving floor feeder.

Plant to be laid out in three specific zones to be isolated for the purpose of fire protection.

See FPP and EMS for practice.

