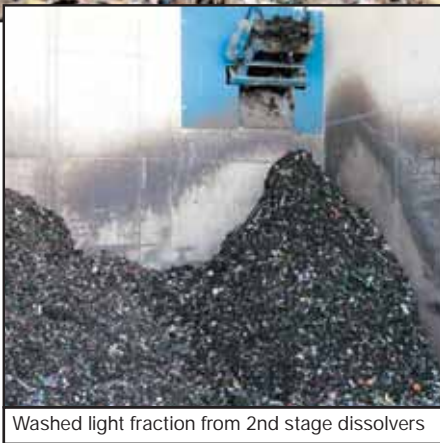




Sachsenhagen Residual Waste Biowaste separation technology



2nd stage (washing) waste dissolvers



Washed light fraction from 2nd stage dissolvers

Plant inputs 45,000 Wet Tonnes/annum
Residual household waste (organic fraction has been removed)
Very high contaminant level
>60% inert

Separation technology Pre shredding < 100mm
Pre screening < 40mm
1st stage waste dissolvers x 2. High rate disintegration
Heavy fraction washing
1st stage dissolver output screening
Light fraction dewatering
2nd stage waste dissolvers x 2. Remaining organics washed & disintegrated

Digestion, Biogas and Bioenergy engineering 2 x Hydrolysis tanks (1,000m³)
4 x Mesophilic digesters (2,000m³)
Dewatered product to landfill
No requirements for ABPR
2 x 350 MWe CHP

Key Benefits Specialist separation plant to remove remaining organic fraction from residual waste
Very high recovery of remaining organic fraction
Heavy solids and grit content reduced to protect downstream plant
Primary benefit - Separation technology ensures waste to landfill complies to <5% putrescible organics
Secondary benefit - Clean organic slurry prepared for digestion process

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