

Location
Market Drayton,
Shropshire,
United Kingdom

Application
Primary effluent
treatment after
balancing

Equipment
MCH30

Year
2006



Case history brief:

Location: Market Drayton, Shropshire, United Kingdom
Application: Primary effluent and biological sludge treatment
Capacity: 169 m³/hr
Clarification: SST, COD removal
Chemicals: 2 ppm cationic flocculant in biological sludge
Installation: Turnkey, 2006

Case history features:

Plant was installed to treat biological sludge and primary effluent without chemicals. It was to be run on primary effluent when load to biological plant was too high.

Customer is now running MCH 30 continuously due to power savings achieved by reducing COD load before biological plant, that allows reduced aeration.

The MCH 30 will be also used to treat biological sludge when the settlement clarifiers cannot cope with the load.

Raw water:		Outcoming water:		Details:
Flow:	169 m ³ /hr			Start-up: 2006
COD:	Variable	COD:	avg. 30% reduction	Biological sludge with 2 ppm cationic flocculant, primary treatment without chemicals
SST:	8.000 mg/l	SST:	<25 mg/l	

DAF sludge is transferred into a new 25 m³ tank where it continues to separate and clear water decanted daily.

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DVR : 1056387
Fn 95575 b / Ferlach, HG Klagenfurt