

Combustion Technologies

Sewage Sludge Incineration (BFB)



Reference List

| Client | Plant Location | Capacity t/h dry substance | Feed Moisture % | Technology | Feed Origin | Start-up |
|---|---------------------------|-------------------------------------|-----------------------|---|---|-------------|
| various (19) | various (19) | 0,4 – 1,7 | 50 - 78 | Filter Press / Thickener / Centrifuge / 19 BFB | Municipal Sewage Sludge, Chemical / Petro-chemical / Pulp & Paper Industry | 1975 - 1990 |
| Yorkshire Water Authority, Esholt STW | Bradford UK | 2,3 | 70 | Filter Press + BFB | Municipal Sewage Sludge and Chemical Industry | 1988 |
| Yorkshire Water Authority, Blackburn Meadows STW | Sheffield UK | 1,9 | 75 | Centrifuge + BFB | Municipal Sewage Sludge & Iron/Steel Industry Sludge | 1989 |
| Yorkshire Water Authority, Calder Valley | Brighouse UK | 3,3 | 75 | 4 Continuous Filter Presses + BFB | Municipal Sewage Sludge & Chemical Industry Sludge | 1992 |
| DRSH Zuiveringsslip NV | Dordrecht Netherlands | 3 x 2,25 | 76 - 84 | 3 BFB | Municipal Sewage Sludge | 1993 |
| SVA Hard | Winterthur Switzerland | 1,1 | 68 | BFB | Municipal Sewage Sludge | 1994 |
| Abwasserverband Luzern | Luzern Switzerland | 1,9 | 50 | BFB | Municipal Sewage Sludge & Screenings | 1994 |

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|--|--------------------------|-------------------------------------|-----------------------|------------|-------------------------------|----------|
| SEVA | Frankfurt Germany | 6,0 | 70 | MF | Municipal Sewage Sludge | 1995 |
| Yorkshire Water Authority, Knostrop STW | Leeds UK | 3,3 | 77 | BFB | Municipal Sewage Sludge | 1996 |
| Slibverwerking Noord Brabant | Moerdijk Netherlands | 4 x 3,8 | 76 | 4 BFB | Municipal Sewage Sludge | 1997 |
| North West Water Shell Green | Widnes UK | 2 x 2,8 | 67 | 2 BFB | Municipal Sewage Sludge | 1998 |
| Stichting Beheer Reg. DRSH Zuiveringslip NV, Line 4 | Dordrecht Netherlands | 4,5 | 76 - 84 | BFB | Municipal Sewage Sludge | 1998 |
| AGSM Verona | Verona Italy | 2 x 11,3 | - | 2 BFB | Pretreated Municipal Waste | 1998 |
| Thames Water Utilities Ltd. Beckton STW | London UK | 3 x 4,5 | 68 - 72 | 3 BFB | Municipal Sewage Sludge | 1999 |
| Thames Water Utilities Ltd. Crossness STW | London UK | 2 x 3,5 | 68 - 72 | 2 BFB | Municipal Sewage Sludge | 1999 |

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|---|--|-------------------------------------|-----------------------|------------|---|----------|
| Department of the Environment of Northern Ireland Water Executive | Belfast UK | 3,2 | 75 | BFB | Municipal Sewage Sludge & Screenings | 1999 |
| Syndicat Mixte for the Treatment of Sewage Sludge | Lacq France | 0,75 | 70 | BFB | Municipal Sewage Sludge | 2000 |
| Communauté Urbaine de Lyon | Lyon France | 2 x 2,6 | 74 | 2 BFB | Municipal Sewage Sludge | 2001 |
| ZV Steinhäule | Neu-Ulm Germany | 2,1 | 80 | BFB | Municipal Sewage Sludge & Screenings | 2000 |
| Mark-E / Ruhrverband | Elverlingsen Germany | 7,0 + 2,6 | 72 / 8 | BFB | Municipal Sewage Sludge & Coal | 2002 |
| AVIRA / CDEM | Duiven Netherlands | 11,3 | 45 | BFB | Paper Sludge | 2002 |
| Kemsley Paper Mill / e.on UK CHP | Grovehurst / Kemsley / Sittingbourne / Kent UK | 3,5 + 6,3 | 57 | BFB | Deinking Sludge & Rejects | 2002 |
| Vodokanal | St. Petersburg Russia | 2 x 1,83 | 78 | 2 BFB | Municipal Sewage Sludge & Grease | 2007 |

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| Stadtentwässerung Stuttgart | Stuttgart-Muehlhausen Germany | 4,0 | 55 | BFB | Municipal Sewage Sludge | 2007 |
| Veolia / Laing O'Rourke | Belfast UK | 3,0 | 75 | BFB | Municipal Sewage Sludge | 2009 |
| United Utilities Shell Green | Mersey Valley UK | 5,7 | 73 | BFB | Municipal Sewage Sludge | 2010 |
| Lynettefællesskabet I/S | Copenhagen Denmark | 2,35 | 60 - 67 | BFB | Municipal Sewage Sludge | 2011 |
| KINEF | Kirishi Russia | 0,375 - 0,75 | 75 - 78 | BFB | Oil Sludge, Bio Sludge | 2013 |
| SIBUR Tobolsk, LLC | Tobolsk Russia | 0,37 | 75 | BFB | Municipal Sewage Sludge | 2018 |