



Bremerhavener Entsorgungsgesellschaft mbH



Waste- and Sewage Management



- Since January 2003 Public-Private Partnership
- REMONDIS holds via holding 74,9 % of BEG, city of Bremerhaven holds the remaining 25,1 %
- BEG-Group includes BEG logistics GmbH and Richard Bauer GmbH & Co.
- BEG operates the business units
 - Incineration plant with waste to energy concept
 - District heat network
 - Power generation
 - Sewage treatment plants and Sewer system
 - Logistics
 - Landfill site
 - Recycling and commodity trading
- 300 employees including subcompanies

Technical details



Incineration plant

- Commissioning: 1976
- Annual Throughput: 300.000 Mg/a
- 4 incinerators

Flue gas treatment

- Multi-level purification including wet treatment

Transshipment

- Both road and rail acceptance

Energy production

- Electric: 100,000 MWh/p.a.
- Thermal: 250,000 MWh/p.a.

District heat

- Installed power: 100 MW
- Overall length: 15 km

Sewage Treatment Plants



Municipal partner in sewage treatment

- City of Bremerhaven
- Fishery Port (South Bremerhaven)
- Oversea Port (North Bremerhaven)
- City of Langen
- Administrative district Loxstedt
- Administrative district Schiffdorf
- Trading area approx. 175,000 habitants

Technical details

Central sewage plant

- Commissioning: 1983
- Land area: rd. 178.000 m²
- capacity: 600,000 pe
- Quantity of sewage per day: 55.000 m³

Construction

- Complete biological purification of the sewage water
- Extension in 1995, N / P-supplement
- Conception based on additional sewage flow from the fishery-industry

Central pumping station "Am Seedeich"

- 5 high performance pumps
delivery rate: 3.600 m³/h

Block heat and power plant

- Generators: 4
- Energy production:
 - Electric: approx. 7,000 MWh/p.a.
 - Thermal: approx. 4,500 MWh/p.a.
- 100% sewage sludge recovery in agriculture

Sewer System



Technical Details

- 600 km sewage network
- 85 % separate drainage of foul and rain water
- 68 pumping and coastal pumping stations
- 800 stopcocks
- 250 sewage collecting pits

Business activities

- Planning and engineering
- Operation
- Sewage management services for municipal partners

Logistics



Waste sector

- garbage trucks
- Collection of residual - and bulky waste
- Collection of recovered paper and recyclable material

Sewage sector

- special vehicles
- Gully and canal cleaning
- Disposal of the oil and petrol separator's output
- Disposal of grease catch basin output
- Cleaning of land-drainage-systems
- Disposal of faecal pits output.



Landfill Site



Landfill Site "Grauer Wall"

- BEG property since 1985
- Area: approx. 350,000 m²
- Remaining capacity: approx. 1,300,000 m³
- Admission of residues from the incineration plant and other inert materials
- Interim storage facility for bulky waste

Recycling and Commodity Trade



- Bremerhaven, business park Weißenstein
- Business units
 - Paper recycling
 - Recycling of metal and scrap
 - Automotive recycling
 - Recycling of electronic scrap
 - Commercial waste disposal
 - Container services



Thanks for your attention!