Biogas plants in The Netherlands
September 2004

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The Netherlands counts about 55 biogas plants:
- (47 landfill gas plants not considered)
- About 45 sewage sludge digestion plants
- 3 plants on the organic fraction in household waste
  - 2 on organic fraction separated after waste collection
  - 1 on organic fraction after source separation (alternative for composting)
- 8 manure digestion plants (2 new ones in 2004)
  (7 at farm scale, one of 22,000 ton manure / year)

Under construction:
- Digestion of 10,000 ton/year of animal waste (category II and III)
  including sanitation at 133°C. Digestate is composted

Planned biogas plants:
- About 80 plants on manure and organic waste
Developments - small scale manure digesters

LEGENDA
- Mest-, GFT- of ONF vergistinginstallatie
  - > 10 kton / jaar
  - idem ≤ 10 kton/jaar

August 2003

July 2004
NEW PLANT:

LICHTENVOORDE

LEGEND

- Digestion of manure
- Digestion of organics from MSW (source separated or with post separation)
- Digestion of animal by-products (under construction)
Lichtenvoorde - digestion of animal by-products

Plant is constructed at site of existing waste water sludge digester

- At least 10,000 tons /year of animal waste
- Waste is received as a slurry in closed trucks
- Sanitation (EU directive 1774/2002 prior to digestion)
- Digestion under thermophilic conditions
- Digestate to standard composting facility
- Start-up in next months (okt/nov 2004)
Lichtenvoorde - digestion of animal by-products

Construction of animal waste digester
Lichtenvoorde - digestion of animal by-products
Projects

- Landfill gas -> upgrading -> vehicle fuel
  New project, linked to existing natural gas vehicle program

- EU project “Probiogas”
  Led by group of Jens Bo and Theodorita
  Purpose: disseminate Danish experience with centralised digesters