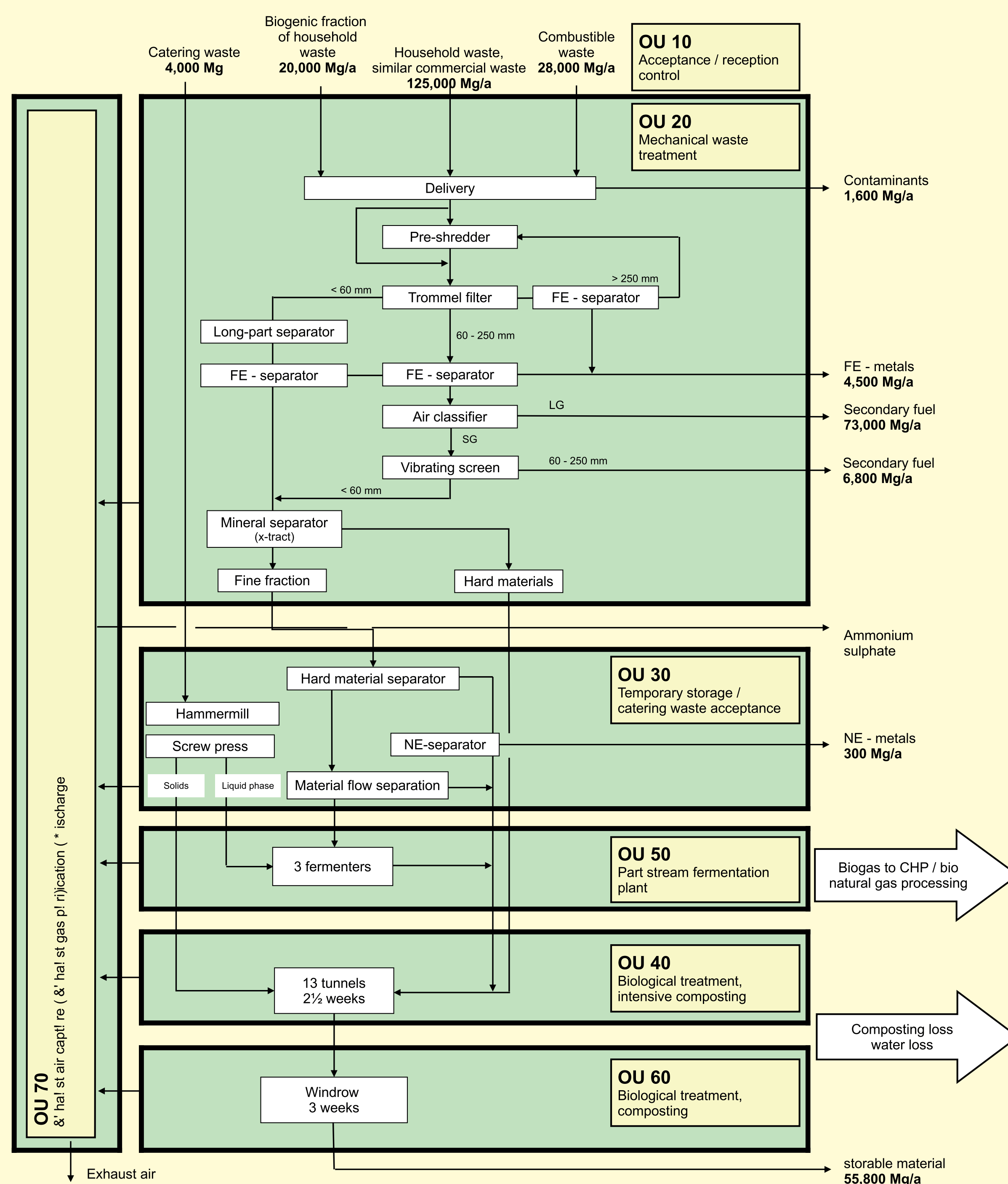




The Rostock mechanical-biological waste treatment plant

Basic flow diagram with operating units (OU), assemblies, material flows



Operating units:

OU 10 + 20 Acceptance/reception control
 + mechanical waste treatment
 - encapsulated delivery and processing hall
 - unilinear implementation: organic line
 - comminution assemblies
 - classification of waste streams
 - use of air classifiers and auto-sort systems

OU 30 Temporary storage/catering waste acceptance

OU 50 Part stream fermentation plant
 - material separator
 - fermentation

OU 40 Biological treatment intensive composting
 - encapsulated tunnel composting (13 tunnel modules, air circulation with cooling, composting period 4 weeks)

OU 60 Biological treatment composting
 - closed windrows (composting period 6 weeks)

* compliance with disposal criteria pursuant to AbfAbI/VO (waste disposal regulations)

OU 70 Exhaust air collection/purification of exhaust gases/discharge
 - separate capture and transmission of exhaust air from hall areas as opposed to process exhaust air from highly and less contaminated areas of the biological treatment
 - greatest possible rotation of air to minimize quantities
 - main treatment through co-incineration of exhaust air in SF-CHP Rostock, in the event of technical failure also alternatively through RTO

- treatment of lightly contaminated process exhaust air in a process combination of humidifier and encapsulated biofilters
 - systematic discharge of exhaust air via chimney

* compliance with emission limits pursuant to 30th BImSchV (Federal Ordinance for Pollution Control)