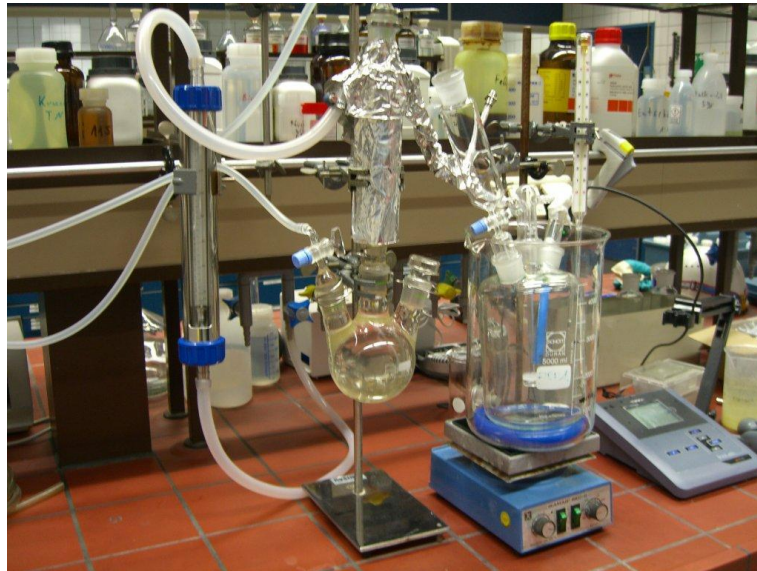


**Client: Incineration plant GMVA Niederrhein**  
**Project: Stripping unit**  
**Services: Feasibility study for the integration of a stripping unit**



### General

At the incineration plant in Oberhausen, ammonia is also precipitated in the scrubber wastewater in addition to the acidic flue-gas components. From time to time this ammonia gets into the flue gas to a heightened degree from the operation of the SNCR plant. To avoid any problems in the evaporator resulting from the temporary increase in ammonia concentration, the ammonia content in the wastewater is to be reduced.

As part of a feasibility study, the possibility of fitting an air stripper is to be investigated. The study will be carried out in 2 stages:

### Laboratory tests

Since the effectivity of air stripping is very much dependent on the composition of the wastewater to be treated, tests are first to be carried out on a laboratory scale. T&N will be responsible for developing the concept, while the actual tests will be carried out at the incineration plant's own laboratory. T&N will then in turn carry out the evaluation, transferring the results to a pilot scale.

Overall it can be said that the wastewater produced at the GMVA incineration plant would be suitable for air stripping.

### Feasibility study

The actual study will examine the feasibility of integrating the unit, in terms of the process engineering and the space available. A rough design will be made for the main components, estimating the costs of investment. This study will be used as a basis for further planning and implementation of the plant.