

# Development of a technology for immobilisation of toxic sludge

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**Objective:** Immobilisation of water treatment residue and development of a workable technology for the establishing, transportation and storage of the immobilised materials as well as verification management of the long-term stability.

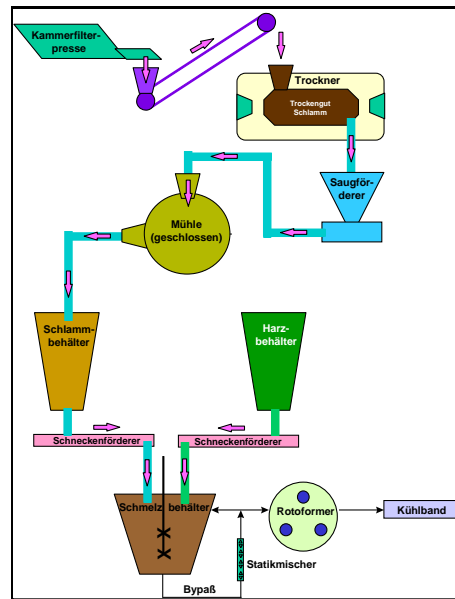
**Location:** Laboratory C&E

**Client:** WISMUT GmbH

**Beneficiary:** WISMUT GmbH

**Duration:** 1996 - 1998

**Initial situation:**



The contaminated sludge is accrued in the water treatment system. The contamination consisted on elevated concentration of uranium and arsenic. This sludge has to be treated in such a way that the prevention of the discharge of contaminants could be also possible over a short period.

## Scope of Services:

- Carrying out of laboratory tests and immobilisation
- Determination of an optimal composition
- Development of a technology
- Carrying out of tests on the manufacture scale
- Development of endurance tests relating to the discharge conduct

