

PHASE SEGREGATION

Description/Application

In many soil and water treatment plants it is necessary to extract floating oil and solvent phases. By this contaminants are disposed in a concentrated form. A not noticeable mixing of the phase with the groundwater is avoided.

For the phase segregation different sub-steps, shown in the figure below, have to be carried out.

1. Identification of the phase boundary,
2. pump off and transport the phase,
3. disposal/recycling.

Solution:

Delta Umwelt-Technik GmbH offers proved and established complete solutions, which are conformed to individual safety requirements.

1. To identify the phase boundary a particular, reliable and economic system was established.
2. The transport of the phase is carried out thru leakage proved pipelines (on demand LAU/HBV) or for volatile compounds thru explosive proved construction.
3. The disposal is carried out by specialists against production of the record of proper waste management. Depending on the premises (amount and nature of the phase) a thermic use for energy generation can be combined.

Delta Umwelt-Technik GmbH operates five plants for groundwater and ground air

treatment with 12 wells altogether, where the extraction of the light and heavy phase is carried out.

