

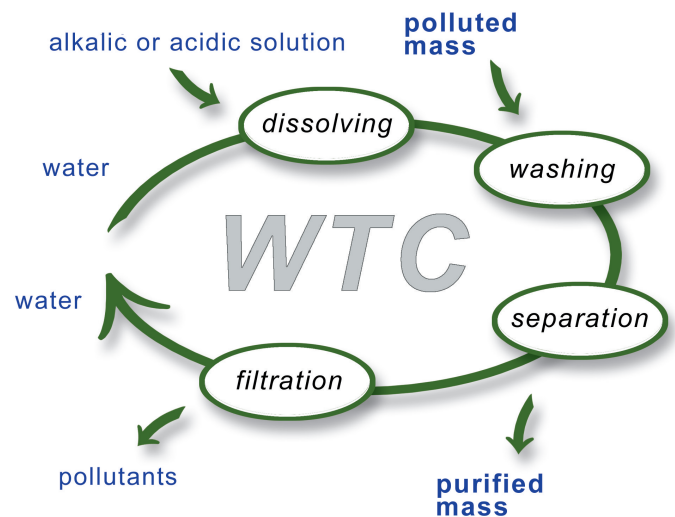
SOLVENTIC AB

For the purification of sludge, soil and gravel

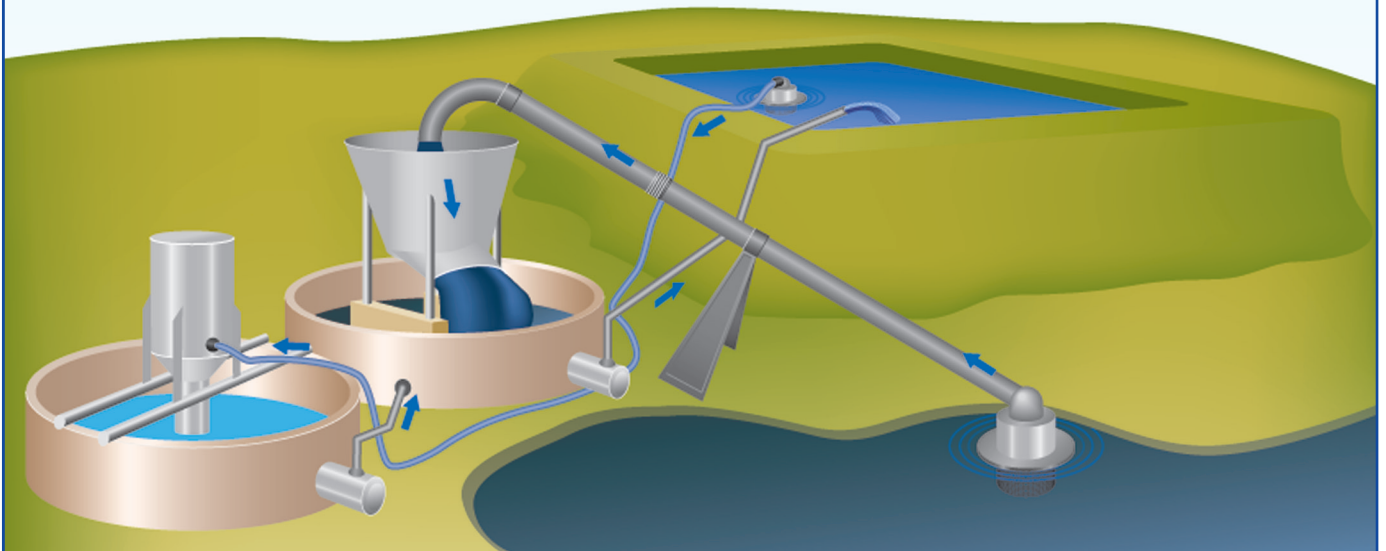
The unique WTC process removes pollutants by treating the polluted masses with an alkalic or an acidic solution.

Heavy metal ions and other pollutants will be dissolved into a liquid phase, and then removed by a special adsorption material in a very compact and efficient unit.

In cases where surface water needs to be treated, we have a two step process, which is described below:

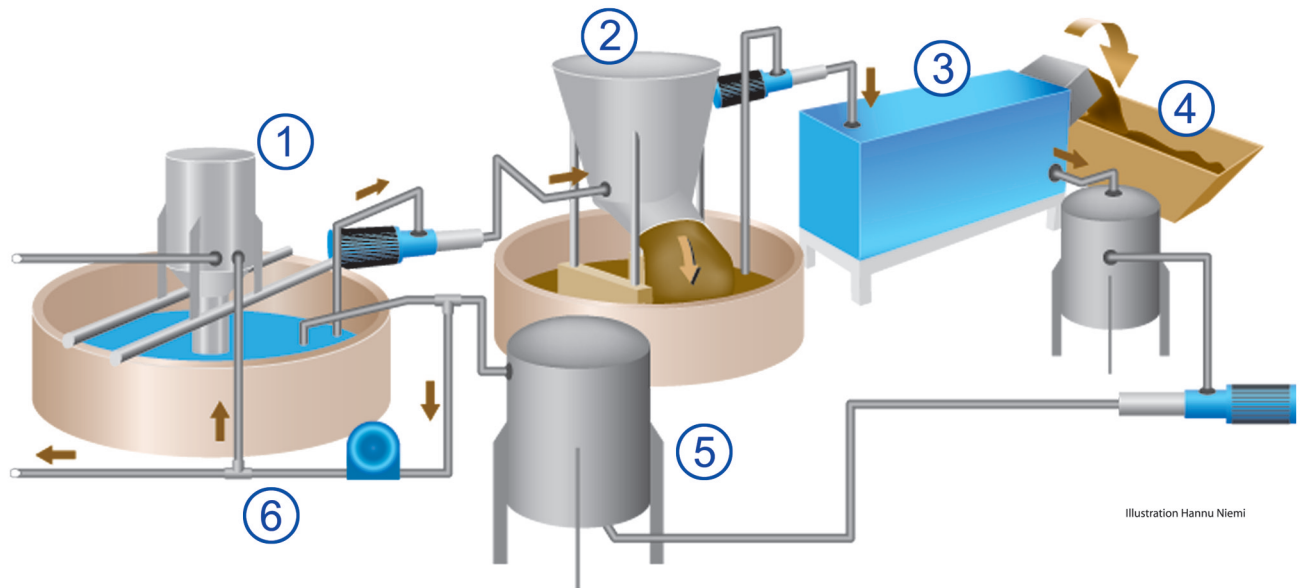


Step 1. Surface water treatment



The polluted surface water is pumped into the WTC process cycle. Bacteria and other pollutants are decomposed, using an environment friendly chemical coagulant, and thereafter pumped into a constructed, embanked basin. The process gets its water supply from the settling basin by repumping clean surface water back into the process. In the embanked basin, the pollutants settle, and the water will then later be transported away, into a fresh water supply. When all polluted water has been treated / purified and removed, the WTC process is readjusted to step 2, to purify the sludge settled in the settling basin. When the sludge has been purified, it can be brought back to different areas as coverage for plantation, or as filling soil for the repairing of damage areas.

Step 2. Sludge, soil and gravel treatment



1. Water / chemical mixture phase. 2. Soil / sludge treatment phase with hygienisation. 3. Soil / sludge dewatering phase. 4. Dried soil/sludge cleaned and ready for replacement. 5. Waste water cleaning phase. 6. Cleaned water recycling phase.

Application example:

The WTC process is excellent for purification of e.g. masses from mines, gravel used for preventing slippery roads, mud from polluted rivers, old landfills etc.

Another very interesting application is sewage sludge, that is a valuable resource. With the WTC process, sludge with a high nutritive content is refined into a high quality fertilizing product. By installing the WTC technique in sewage treatment works, local authorities can work for a more sustainable society.

Advantages:

- Small unit that easily can be mounted onto a lorry
- Very low running cost
- Easy to operate
- Very low service / maintenance cost due to few moving parts
- Environmental friendly process with a high environmental result

The WTC process is patented. Marketed internationally by Solventic AB

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