



Veolia MPPE Technology

Aspen-NL

Ground water remediation

- Oss, The Netherlands
- Pharmaceutical Raw Materials supplier
- Single step treatment by MPPE
- Operational since 1995



Challenge

- Removal of Dichloromethane
- Removal of other Chlorinated Hydrocarbons
- Removal of Aromatics to <0,1 ppm
- High Iron content in the ground water. Avoiding the requirement of de-ironing by anaerobic operation.
- High savings by avoiding de-ironing of the ground water as no Iron sludges are produced.

Performance

MPPE removes :

- Dichloromethane to <0.5 ppm
- Other Chlorinated Hydrocarbons < 0.1 ppm
- Aromatics to <0,1 ppm

Capacity 40 m3/h



The MPPE process

MPPE stands for Macro Porous Polymer Extraction. Polymer beads contain a specific immobilized extraction liquid. Hydrocarbon contaminated water is passed through a column packed with MPPE particles. The hydrocarbons are extracted from the water at any designed efficiency up to 99.999%. The MPPE particles can simply be regenerated by heating with steam. The removed hydrocarbons are recovered as an almost 100% pure product. No other waste stream is created. No chemicals requires, no off gasses produced.

MPP & TiPSS Technologies

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