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
Veolia Water Technologies
Techno Center Netherlands B.V.
Celsiusstraat 34
6716 BZ Ede
The Netherlands
Phone: +31 (0) 318 666010
Email:mppsystems@veolia.com
www.mpptechnology.com & www.tipsstechnology.com