



## Veolia MPPE Technology

## NAM K15B Offshore - NL

### Offshore Gas Produced Water treatment-

#### Operational since 2003

- Robust against salt, surfactants, Corrosion inhibitors
- Fulfilling NAM's environmental goal beyond present legal requirements



#### Challenge

- Remote control
- Practically no space on existing platform
- Dissolved/dispersed toxic content removal for Zero Harmful Discharge



#### 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.

#### Performance

##### MPPE removes:

- Dispersed oil (aliphatics) required <30 ppm (actual <5 ppm)
- Dissolved and dispersed aromatics (BTEX) >90%
- Poly Aromatics (PAHs) >99%

##### MPPE Unit capacity 4.2 m3/h

- Built as open skid for placement in Cellar deck
- Including steam boiler
- No waste stream

##### MPP & TiPSS Technologies

Veolia Water Technologies  
Techno Center Netherlands B.V.  
Celsiusstraat 34  
6716 BZ Ede  
The Netherlands  
Phone: +31 (0) 318 664010  
Email: mppsystems@veolia.com  
www.mpptechnology.com & www.tipssotechnology.com