

REAL-TIME  
ODOUR  
MONITORING

OdoWatch™

3.713E0  
2.866E-1  
2.197E-2  
1.690E-3  
1.300E-4  
1.000E-5



DATE: 12/01/2004 14:41:50  
WIND DIRECTION: 162.0°  
WIND SPEED: 25.2 km/h  
TEMPERATURE: 20.0 °C  
STABILITY CLASS: CLASS D  
CEILING HEIGHT: 200.0 m



Solutions & Technologies

# WHAT IS OdoWatch™?



OdoWatch™ is the world's first electronic nose network for 24/7 wireless odour monitoring.

Three major components:

#### ELECTRONIC NOSES

- Sensor matrix with an array of up to 64 different sensors
- Remote sensor calibration & software updates
- Wireless communication
- Independent power supply

#### WEATHER TOWER

- Wireless communication
- Provides weather forecasts for odour plume calculations

#### MONITORING CENTRE (display)

- Odour recognition & quantification algorithms
- Source characterisation algorithms
- Utilises weather tower data
- Computes odour plume
- Calculates odour emission rates
- Issues alerts when preset thresholds are exceeded
- Predictions over the next 2, 4, 6, ... 24 hours
- On-demand reports at any time
- Archives data
- Capacity for 250 strategically-placed e-noses

Temporary units available

Real-time image of odour plume superimposed on an aerial map of the site and its surroundings.



Solutions & Technologies

Whittle Road  
Meir  
Stoke-on-Trent  
ST3 7QD England

Telephone: +44 (0)1782 599000  
Fax: +44 (0)1782 599001  
www.veoliawaterst.co.uk