

The Multi Service Group.

## Containment Site 22.21

Vienna, Austria



**Contract Value (net):**

8.70 Mio EURO

**Construction Period:**

08/2002 – 11/2003

**Client:**

City of Vienna

Austria

**Services:**

Containment Wall

Ground Water Treatment Plant

Water Purification Systems

**Contact:**

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The area to be contained lies alongside the Breitenleerstraße and eastwards of the Austrian Railways Ostbahn line. In-situ purification systems are designed to clean up the outflow of water over an extended period of time. In other words, they offer a suitable means of removing the pollutants washed out of a contaminated site by the natural flow of groundwater.

On a site located some 400 m downstream (in groundwater terms) of Mobil Austria AG one maturation pond has been built approx. 3 m deep and 560 m in length. In hydraulic terms the pond has a barrier effect, preventing the uncontrolled drifting of mineral oil contamination. Planted with special vegetation and equipped with a filter, the pond also serves as an aid to purification. Groundwater from the series of containment wells is used for occasional recirculation of the pond's content.

Downstream of the pond is a containment wall with an overall length of 1,650 m. This containment wall directs the flow of groundwater to the six in-situ purification systems. 15 inner containment wells are arranged some 150 m upstream of the pond in order to prevent the inflow of excessively contaminated groundwater. This water is directed to the treatment plant and thereafter discharged via seepage drains. The two outer containment wells serve to collect contamination in the downstream area which either cannot be intercepted by the containment wall and the in-situ purification system or has already drifted away.

**Quantities:**

1,650 m Containment Wall

1 No. Ground Water Treatment Plant

6 Nos. Water Purification Systems