

# Case Study

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## Oil Storage Environmental Investigation

### *The Challenge*

Following a number of explosions at a large Oil Storage Depot, a large fire engulfed over 20 large fuel storage tanks over a high proportion of the site. Significant damage occurred to both commercial and residential properties in the vicinity and a large area around the site was evacuated on emergency service advice. About 2,000 people were evacuated. Sections of the nearby motorway were also closed. Depot operators required environmental investigations to be carried out within the site and surrounding area.

### *The Solution*

On environmental issues the focus was on containment of products and fire-fighting materials on site and releases of toxins from these contaminants to the environment. Pathways of pollutants into the environment were identified and the scale of impact to the environment both on and off site with regard to land and water was identified.

### *The Outcome*

As the clean-up operation progressed, samples were taken from lagoons, boreholes and surrounding watercourses. Desk study reviews, preparation of action plans, liaison with regulators and excavation of trial pits was provided. Consultants continued to support the operators on managing the environmental issues associated with the incident and the on-going groundwater monitoring programme.



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