



Treatment of kerosene contaminated water - Stornoway

The Client: Highlands & Islands Airport Ltd

The Challenge: The client required the treatment of kerosene contaminated water from a pipeline at the airport formally used by NATO. The old pipeline was approximately 2km long and the volume of kerosene contaminated water in the pipeline was estimated at 50m³.

The Solution: Soilutions Ltd used their purpose built mobile groundwater treatment plant. Contaminated water from the pipeline was pumped through the system to remove hydrocarbons, discharge waters were suitable for the local sewage system. Consent was obtained from the Local Authority and SEPA prior to the discharge of treated water.

Discharge waters were constantly monitored using a hydrocarbon meter. When the hydrocarbon concentration reached 1ppm an alarm sounded and the plant shut down. Filters were then changed and the system re-started.

Kerosene remaining in the pipework was pumped out of the pipeline into a tanker and used as a fuel by the airport emergency services. Following removal the pipe was flushed through with clean water, flushings were filtered by the mobile plant.

Client recommendation: "We were extremely delighted with the professionalism of Soilutions and would highly recommend their service to others"
- Nathaniel Anderson – HIAL

Duration: 8 Days



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