

# CASE STUDY



## DRAINAGE & INTERCEPTOR REMEDIATION WORKS

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A recent **integrity inspection and associated drainage remediation works** were undertaken on an oil interceptor system to assess its condition, remove hazardous materials, and restore optimal performance in compliance with environmental and industry standards.

### AT A GLANCE

#### Challenges

- Silted drainage channels
- Misaligned coalescing filter
- Alarm system fault
- Residual hydrocarbon risk

#### Result

- Interceptor functionality restored
- ACO channels cleared
- Enhanced environmental protection
- Actionable recommendations & maintenance plan



### SCOPE OF WORKS

The project involved a comprehensive cleaning and inspection of the site's oil interceptor and associated surface drainage systems. Key activities included:

- Removal of hazardous contents using a vacuum tanker and safely transported to a licensed disposal facility.
- High-pressure water jetting to clean internal surfaces and mobilise residual sediment
- HD camera equipment deployed to visually inspect internal structure. Footage reviewed offsite by environmental consultants and integrity inspection reports provided to the client following the works.
- Remediation of heavily silted surface drainage channels (ACOs)

### FINDINGS

- The oil interceptor's coalescer was in good condition but incorrectly positioned, allowing contaminants to bypass treatment, reducing the effectiveness of the system.
- The alarm system, critical for early warning of oil accumulation, was tested and found to be non-functional.

### RECOMMENDATIONS

Based on best practices and BS EN 858-2:2003, it was recommended to:

- Replace the coalescing filter with a correctly sized unit
- Install a high oil alarm system
- Implement regular maintenance, including six-monthly audits and five-yearly integrity inspections by qualified personnel

### OUTCOME

The inspection and remediation works effectively restored the oil interceptor and drainage systems. With our recommendations the site will be better protected against environmental risks and remain compliant with regulatory standards.

