

# MICROBIOLOGICAL SERVICES FOR FUEL TERMINALS AND DEPOTS



RISK ASSESSMENT

MONITORING

REMEDICATION & CONTROL

## ECHA's fully comprehensive service includes;

- Audit and review of facilities and operating practices
- On-site attendance for routine sampling
- Routine tests to assess contamination status
- Reporting results and recommendations for further actions
- Analysis of test data trends
- Additional investigation and testing
- Advice on control and remedial measures

## Benefits of our services

- Enables timely response to avoid fuel quality and corrosion issues.
- Provides additional assurance on fuel quality to customers
- Provides predictive information for planned maintenance
- Risk based asset management
- Compliance with best practice for microbiological monitoring in accordance with standard industry guidelines
- Ensures correct and consistent sampling and testing for reliable assessment of tank and fuel status
- Minimise high costs of system downtime
- Frees up terminal staff time



## RISK ASSESSMENT

ECHA Consultants have globally recognised expertise in problems of microbiological contamination in fuels. We can conduct on-site audits and reviews of terminal and depot operating practice and infrastructure to assess the risk of microbiological contamination in your facility. Where appropriate, our consultants will discuss practical options for improving control by modifications to infrastructure or day to day operating procedures. We will identify critical control points for sampling and recommend a monitoring strategy appropriate to the facility's needs.

## MONITORING

We believe microbiological monitoring of identified critical control points is a key part of a prevention strategy. It is a strategy now endorsed for diesel, marine and aviation fuels in guidelines published by the Energy Institute, ASTM, IATA and JIG. Monitoring indicates if and when additional control or remedial measures are necessary and these can then be implemented in a timely and proportionate manner to minimise disruption to operations and avoid fuel quality problems.

## REMEDICATION & CONTROL

ECHA Consultants can provide fully independent recommendations for treatment and remediation of fuel tanks when necessary. In some cases recommendations may be minor modifications to existing procedures, for example additional fuel settling and/or water draining of tanks. Where contamination is heavy, biocide treatment of fuel and/or tanks and facilities is usually required. ECHA can supply approved fuel biocides, supervise decontamination working with approved tank cleaning and waste contractors as necessary. We will validate remedial

For more information, please contact a member of our Sales Team using any of the details below. You can also find more information on our website.

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