

Name: Dr Julian L E Flack BSc, PhD, CIWM  
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**Summary of Key Skills:**

**Waste Management & Disposal:** Landfill/ waste management; Design and installation of landfill containment systems; site monitoring; Process/Activity Audit; EMS (ISO 14001) Certification Audit; EMS Consultancy regarding Implementation.

**Minerals/Aggregates:** Operational and senior/project management; waste/landfill; Process/Activity Audit (first, second and third party); EMS training needs and Implementation advice; Identification of key environmental issues.

**Oil & Petrochemical:** Execution of HSSE MS audits for marine operations and facilities. EMS/EMAS Lead Auditor training; Process/Activity/Due Diligence Audit and identification of key environmental issues. Construction of and implementation of systems (in accord with ISO 14001 and/or EMAS)

**Mining (Coal, Gold and other Poly-metallic):** Environmental Assessment; EMS; Process/Activity; internal/Due Diligence Audit.

**Automotive Parts & Cabling:** EMS (ISO 14001) Certification Audit; EMS Internal Auditing Training; Process/Activity Audit.

**Confectionery:** EMS (ISO14001) Awareness and Aspects Evaluation Course

**Further Education (Agricultural):** EMS (ISO14001) Lead Auditor training

**Local Government/NGO's:** EMS Lead Auditor; Aspects Evaluation & Awareness training; consultant for landfill and contaminated land issues.

**Skills by Representative Project:**

- HSSE Assessment & Audits for a major oil company (including all refined oil/fuel products and Biofuel) for both refining and storage, encompassing ship to shore transfers, all compliant with OCIMF and ISGOTT requirements – in various locations, including Singapore, Bahamas, Albania, Lebanon, Malta, Sardinia, Spain, Netherlands, Sweden, and France.
- Closed landfill site monitoring and leachate treatment, current permits for Environment Agency and Planning Authority.
- EMS compliant with ISO14001:2004 for UK Port Authority to address all their shipping, materials and import handling, land utilisation and third party activities.
- Due Diligence Audit (Environmental & Social Issues) on Zinc Sulphide deposit in Burkina Faso.
- Environmental Consultant, Advisor and Inspector for a major PFI project to ensure remediation of contaminated land and compliance to mitigation/protection measures.
- Lead Environmentalist to produce an IFC approved Environmental & Social Impact Assessment together with an Environmental Action Plan, Gold Project, Tajikistan.
- Environmental input to major feasibility study review of Coal Project on behalf of the World Bank– China.

- Lead Tutor for a 2 day internal auditing course for an automotive parts manufacturer – northern Ireland.
- Co-Project Manager for environmental audit of 35 oil wells in Tobasco and Chiapas states, Southern Mexico.
- Team Leader on annual environmental audits, required by the IFC as part of the loan agreement for gold mining and refining operations in Western Ghana.
- Environmental assessment of a closed manganese mine in Bulgaria.
- Undertook an audit of major/key environmental issues at various Peruvian Government owned mines for the IFC – to establish the baseline for a possible buyout. (1992)
- Carried out pre EIA study assessments of six mine sites and one quarry – Peru.

**Professional Qualifications:**

- Member of the Institute of Waste Management
- Formerly Vice Chairman and Secretary of the Environmental Committee of the International Federation of Inspection Agencies (IFIA)
- Successfully completed IRCA approved Lead Auditor (5-day) training course for ISO9001/2, 1996
- Successfully completed EARA approved Lead Auditor (5-day) training course for EMS ISO140001, 1996
- Approved Lead Tutor (SGS Environment & SGS Yarsley ICS) for EARA EMS Lead Tutor Courses and other environmental training courses, including EMAS

**Education & Training:**

BSc. (Hons) Applied Biology 1976

PhD. (Liverpool University, Department of Botany) 1981

IRCA approved Lead Auditor for ISO9001/2, 1996

EARA approved Lead Auditor for EMS ISO140001, 1996

Approved Lead Tutor (SGS Environment & SGS Yarsley ICS) for EARA EMS Lead Tutor Courses and other environmental training courses, including EMAS

**Publications:**

- Flack, J.L.E. (1981) The Selection for Asulam Resistance in Crop Plants
- Flack, J.L.E. (1982) The assessment of colliery spoil for use as blinding material for toxic wastes, and as a soil substitute and determination of treatments enabling the rapid establishment of a permanent vegetation cover, R&D 75 Minestone Executive, National Coal Board
- Flack, J.L.E., Sykes, S.R. and Putwain, P.D. (1983) Selection for Asulam-tolerance in oilseed, rape and Simazine-tolerance in white mustard – Aspects of Applied Biology 3. pp83-94
- Flack, J.L.E. (1997) Reducing Waste (EBC 443-444). Executive Business Channel Limited.

- Bishop, G.P. and Flack, J.L.E. (1997) Land Pollution In: Sensor Systems for Environmental Monitoring, Volume 2: Environmental Monitoring, pp1-57 Blackie Academic & Professional (Chapman & Hall).

**Employment History:**

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|-----------------|--|
| 2010 to present | Associate Consultant – Awaken Consulting Limited   |
| 2005 to 2010    | Associate Consultant – Awaken Consulting Limited<br>Associate Director - AMEC Earth & Environmental. |
| 1998 – 2004     | Director - Environmental Advice Centre, Mold Flintshire  |
| 1989 – 1990     | Senior Area Manager– ARC Ltd   |
| 1986 – 1989     | Unit Manager- Quarry & Landfill, North Wales   |
| 1983 – 1986     | Area Landfill Manager & Unit Manager – ARC North West  |
| 1981 – 1983     | Project Manager & Environmental Consultant, EAU Ltd  |