

Curriculum



Louise Warren
Senior Odour Engineer

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Professional Experience

10 Years
250 Studies

Qualifications

- BSc (Hons) Chemistry
- MPhil Chemistry
- MCERTS level 2

Senior Odour Engineer

Louise is a Senior Consultant with over 9 years specialist experience in the field of environmental odour assessment, preceded by 2 years experience in environmental emissions assessment. She specialises in industrial food manufacturing, land remediation and odour abatement, and has completed over 200 projects in the UK and overseas.

Key Areas of Expertise

- Odour impact assessment
- Dispersion modelling
- Odour survey design
- Odour abatement and management techniques
- Odour monitoring procedures and equipment
- Biofilter design and operation
- Molecular odour analysis
- Bioaerosol monitoring and assessment
- Fugitive emissions control and assessment
- Health impact assessments

Key Skills

Project management	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Quality assurance and control	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Auditing and peer review	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Personnel management	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Data analysis	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Odour sampling and analysis	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Expert witness	<div style="width: 80%; height: 10px; background-color: #76b82a;"></div>

Experience and project examples

- Odour abatement appraisals of various food production and preparation facilities
- Odour abatement system performance tests (various sectors)
- Practical and theoretic odour training (local authority and industry)
- Health impact assessments of various industrial facilities
- Odour impact assessments for planning and licencing (various sectors)
- Research into the odour and bioaerosol removal performance of biofilters for the waste sector
- Emission measurement and impact assessment of various land remediation projects
- Development of MCERTS and UKAS accredited emission testing procedures
- Design and development of bespoke biofilter testing procedures
- Biofilter health assessments and performance monitoring

Key Industries

Food production	<div style="width: 100%; height: 10px; background-color: #4a86e8;"></div>
Solid waste & composting	<div style="width: 100%; height: 10px; background-color: #4a86e8;"></div>
Odour control	<div style="width: 100%; height: 10px; background-color: #4a86e8;"></div>
Contaminated land	<div style="width: 80%; height: 10px; background-color: #4a86e8;"></div>
Wastewater treatment	<div style="width: 80%; height: 10px; background-color: #4a86e8;"></div>
Flavours and fragrances	<div style="width: 100%; height: 10px; background-color: #4a86e8;"></div>
Other sectors of industry	<div style="width: 80%; height: 10px; background-color: #4a86e8;"></div>

Memberships

- Member of the Royal Society of Chemistry (MRSC)
- Chartered Scientist

Languages

English	<div style="width: 100%; height: 10px; background-color: #f1c232;"></div>
German	<div style="width: 10%; height: 10px; background-color: #f1c232;"></div>

Louise Warren

Publications and conferences

- Fletcher L.A., Jones N., Warren L., Stentiford E., (2014)
Understanding biofilter performance and determining emission concentrations under operational conditions
- CEM 2009 (Conference on Emissions Monitoring) –
‘The benefit of accreditation for odour sampling and analysis’.
- MCERTS 2009 -
UKAS Accreditation of odour sampling: From sample collection to olfactory analysis.
- STA 2009 – The importance of quality in odour sampling.
- AQE 2013 – Odour sampling and MCerts
- Industrial Air Pollution Monitoring (conference/training course) 2014 –
The sampling and assessment of industrial odour emissions.