

# Curriculum



**Louise Warren**  
**Senior Odour Consultant**

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## Professional Experience

**10 Years**  
**250+ Studies**

## Qualifications

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

## Senior Odour Consultant

Louise is a Senior Consultant with over 9 years specialist odour 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 250 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 theoretical 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: #5dade2;"></div>
Solid waste & composting	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Odour control	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Contaminated land	<div style="width: 80%; height: 10px; background-color: #5dade2;"></div>
Wastewater treatment	<div style="width: 80%; height: 10px; background-color: #5dade2;"></div>
Flavours and fragrances	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Other sectors of industry	<div style="width: 80%; height: 10px; background-color: #5dade2;"></div>

## Memberships

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

## Languages

English	<div style="width: 100%; height: 10px; background-color: #f1c40f;"></div>
German	<div style="width: 10%; height: 10px; background-color: #f1c40f;"></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