

Odour Emissions Management

1-Day Conference & Exhibition

24th April 2024 - The Studio, Leeds

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TIMETABLE

9:30 – 9:35	Chair's Welcome – Rowland Minall, Technical Specialist, Stantec
9:35 – 10:00	<p>The role of the Odour Management Plan (OMP) in effective odorous emissions control <i>Sam Hantoosh, Technical Advisor and Sophie Siddle, Senior Advisor, Environment Agency</i></p> <ul style="list-style-type: none"> Regulatory Framework: Understanding how the Environment Agency oversees Odour Management Plans and their integration with Environmental Permits. Elements of a high-quality Odour Management Plan: Identifying key components and characteristics of a well-structured odour management plan, while also delineating what should be avoided. Case Study: Examining an anaerobic digestion site to illustrate instances where the OMP's outlined measures do not align with actual site performance. This case study will shed light on discrepancies between Odour Management Plan provisions and criteria evaluated by Environmental Agency officers, including compliance with permit improvement conditions and Best Available Techniques requirements.
10:00 – 10:25	<p>Improvements to neighbours' amenity lead by emission measurements and odour impact surveys and abatement <i>Robert Sneath, Director, Silsoe Odours</i></p>
10:25 – 10:50	<p>Approaches for odour complaint validation using meteorological data <i>Camelia-Eliza Telteu, Solutions Manager, Olfasense GmbH</i></p> <ul style="list-style-type: none"> Odour complaint validation Analysis using local weather station data (ALWS) and Reverse Trajectory Analysis (RTA) Practical examples of successful citizen engagement in the odour complaint validation
10:50 – 11:20	Morning Break and Networking
11:20 – 11:45	<p>Selection, design and operation of cost effective odour control technologies <i>David Sivil, Consultant Engineer, WRc</i></p> <ul style="list-style-type: none"> The selection of suitable odour control technologies needs to consider the effectiveness for removing odorous gaseous species present, the ability to deal with the volume of air and the 'true' costs and benefits. Good design will enable the odour control equipment to be monitored, operated and maintained effectively. Suitable monitoring, operation and maintenance of odour control equipment will help it to continue to perform effectively.

11:45 – 12:10	<p>Biological scrubbing for odour & VOC removal in wastewater, waste treatment and food processing industries <i>Trevor Montgomery, Director & EHS Consultant, Montgomery EHS Ltd</i></p> <ul style="list-style-type: none"> • MEHS has developed a 5-point plan for the investigation of odour & VOC emission issues from a number of different sectors. • Two case studies will be presented from Karro Foods and Bio-Marine Ingredients
12:10 – 12:35	<p>Advancing environmental stewardship: leveraging technology to measure, monitor and mitigate methane emissions from digester breather valves <i>Ewart Cox, Managing Director, Assentech Sales Ltd</i></p> <ul style="list-style-type: none"> • Data is the key to demonstrating LDAR planning • Vent-Less valve testing is fully automatic and independent • Reduced emissions cloud from 198 to 0.2 double decker buses
12:35 – 13:30	Lunch Break and Networking
13:30 – 14:15	<p>Panel Discussion – How should emissions control be best applied in a carbon crisis?</p> <p>Chair: Amanda Lake, Head of Carbon and Circular Economy, Jacobs</p> <p>Panellists:</p> <ul style="list-style-type: none"> • <i>Antony Saunders, Principal Process Engineer, Stantec</i> • <i>Sam Hantoosh, Technical Advisor, Environment Agency</i> • <i>Ewart Cox, Managing Director, Assentech Sales Ltd</i> • <i>Mike Loyns, Asset Engineer – Odour Specialist Wastewater Assets – Programme & Delivery AGA, Dwr Cymru Welsh Water</i>
14:15 – 14:40	<p>Optimisation of conventional biofiltration odour control units (HEAB) <i>Craig Lewis, Air Quality Solutions Manager, Suez Air and Climate</i></p> <ul style="list-style-type: none"> • To achieve the upper range AEL of 1,000ouE/m³, waste management facilities that operate conventional biofiltration systems face challenges to comply with the determined upper range AEL. • The replacement of conventional organic material with an alternative innovative media serves as a valuable option to facilities/ operators negating away from costly mechanical intervention or system replacement, and ultimately ensures that they will comply with the upper range AEL of 1,000ouE/m³. • High Efficiency Advanced Biomedia (HEAB) presents significant advantages compared to conventional organic media: Increased treatment performance (odour, H₂S, NH₃ etc vs conventional media), a residual outlet odour concentration of 1,000ouE/m³, long media bed life in excess of 8 No. years & substantially lower pressure drop compared to conventional organic media's resulting in notably reduced electrical costs (circa 40% lower).
14:40 – 15:10	<p>Odour abatement with Neutralox photoionisation technology <i>Paul Jurczuk, Business Development Executive, Envva</i></p> <ul style="list-style-type: none"> • Overview of the Neutralox photoionisation process – how it works. • Advantages of the process over traditional odour abatement technologies. • Case studies with actual odour removal data
15:10 – 15:40	Afternoon Break and Networking

15:40 – 16:05	<p>Efficiency of the ColdOx system at various concentrations <i>Oliver Mills, Manager Export Sales, Centriair</i></p> <ul style="list-style-type: none"> • Coldox as means to treat odours • ColdOx performance in highly contaminated streams with low airflow • ColdOx performance in low-medium contaminated streams with high flow
16:05 – 16:30	<p>Liquid H₂S online measurement for optimized sewer system insights and better H₂S control <i>Marie Inizan, Application Development Manager, Hach</i></p> <ul style="list-style-type: none"> • Introduction to the benefit of monitoring H₂S in the liquid phase vs the current “go to technology” which is the gas phase measurement • Presentation of the technology proposed and its benefits • Through different case studies, the additional insights brought by the liquid phase measurement will be emphasized so that the liquid phase measurement becomes a new referential for operator
16:30	Conference close

Please note timings may be subject to change.

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