

Landfill Aftercare Workshop Priory Rooms, Birmingham

Thursday 29th March 2017

Programme

09:30-10:00 TEA, COFFEE and REGISTRATION

10:00 Welcome and Introduction to the meeting

Professor William Powrie, University of Southampton

10:05 Keynote: Full scale case studies of *in situ* aeration

Marco Ritzkowski, Hamburg University of Technology, Germany

11:00 Technical Review of *in situ* aeration: design aspects, effectiveness, issues

Keith Knox, University of Southampton

11:30 TEA, COFFEE

11:50 A UK landfill operator's experience of aerating old dilute and disperse landfills

Charlie Wright, Norfolk County Council

12:00 In situ aeration: Round table discussion

Charles Wright, Norfolk County Council; Marco Ritzkowski, HUT; Richard Beaven, University of Southampton; Stewart Davies, Viridor Ltd; David Browell, Environment Agency; Rafal Lewicki, Envira Ltd

Chair: Keith Knox

12:50 LUNCH

14:00 Future of LANDSS, what next?

Richard Beaven, University of Southampton

14:15 Coastal landfills: long term effect on shoreline management plans

Richard Beaven, University of Southampton

14:45 Use of wetlands for leachate treatment at closed landfills

Howard Robinson, Phoenix Engineering

15:15 Perspectives/discussion on leachate management at closed landfills

15:45 Discussion and Wrap up

TEA, COFFEE and CLOSE OF MEETING

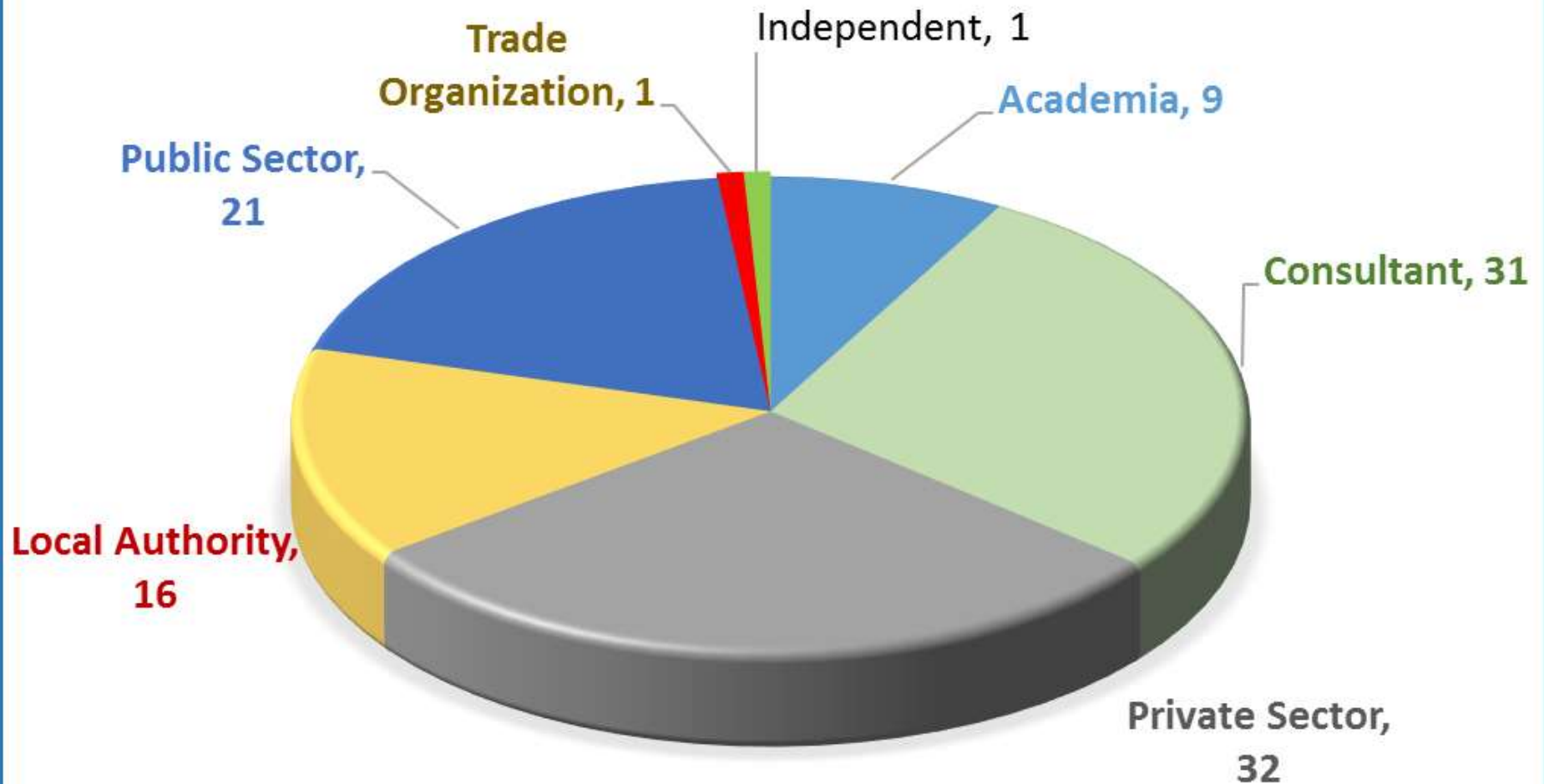
Future of LANDSS what next?

Role of Forum

- Exchange ideas between a wide range of stakeholders on technical and scientific aspects of Landfill aftercare
 - e.g. this meeting and its technical presentations
 - Central issue of aftercare periods of centuries
- Provide input into LANDSS development – commentary and content
- Highlight areas where there is insufficient technical information, that could be addressed by research
- Be open to any interested party

100+ delegates

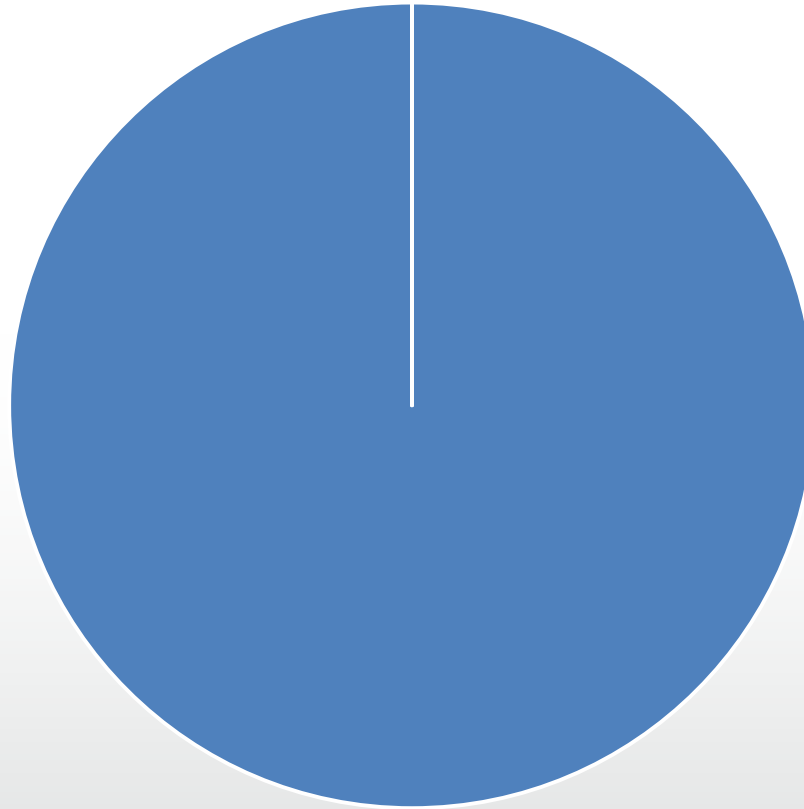
SOUTHAMPTON LANDSS FORUM MEETING
BIRMINGHAM, 30 MARCH 2017



Feedback from last meeting

- Questions on the forum, venue and costs
- ~ 40% response rate

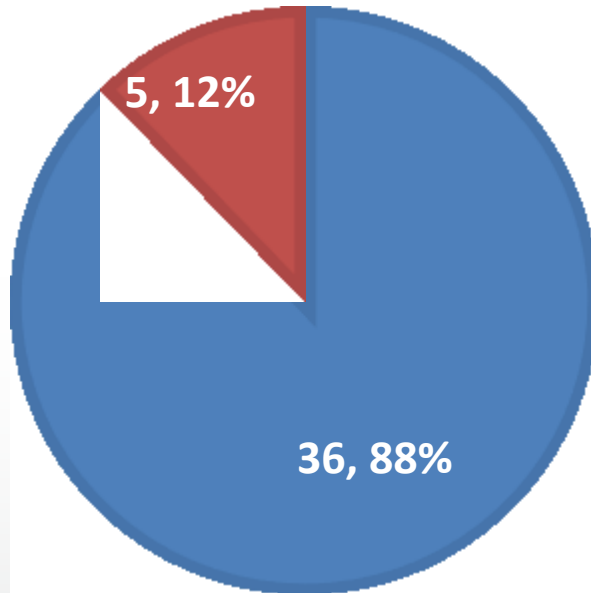
Would you like us to continue running the
Landfill Aftercare Forum with meetings
approximately every 9 months?



■ Yes ■ No

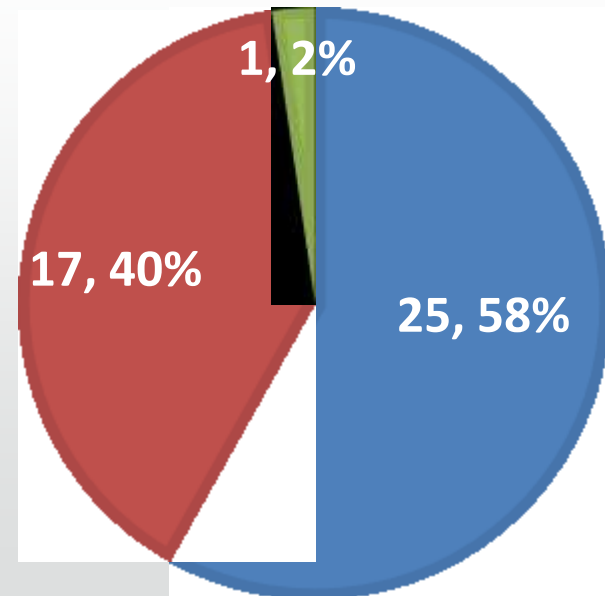
ON BALANCE, SHOULD WE KEEP THE PRIORITY ROOMS AS A VENUE FOR THE AFTERCARE FORUM (OR SEEK AN ALTERNATIVE)?

■ Yes ■ No

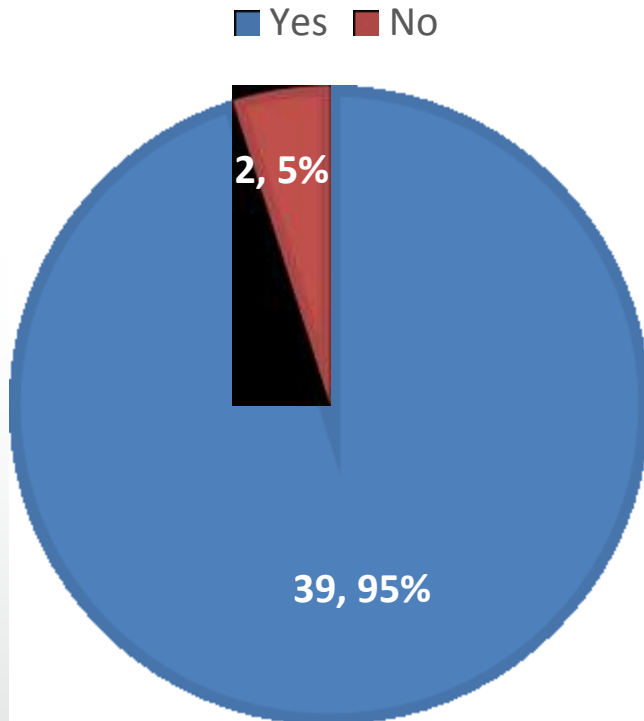


HOW DID YOU RATE THE AUDIO

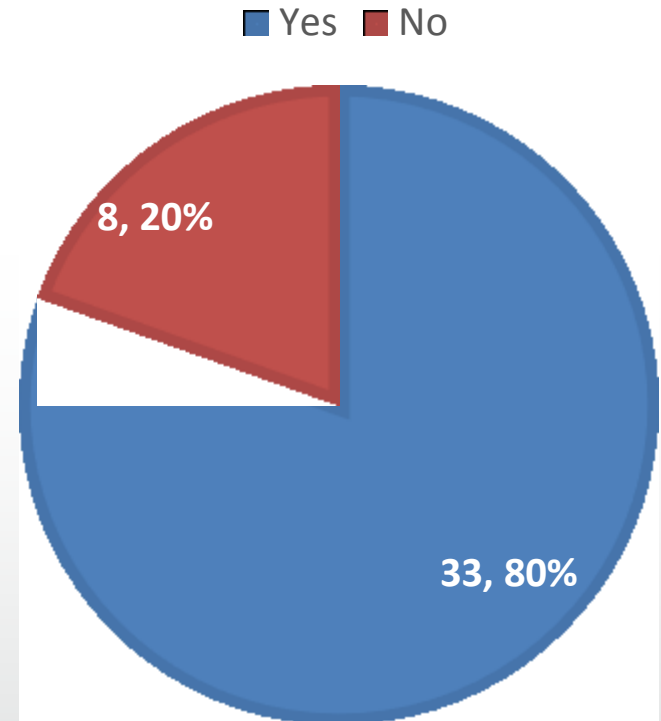
■ Good ■ Adequate ■ Poor



IF WE HAD TO COVER COSTS IN THE FUTURE WOULD YOUR ORGANISATION SUPPORT YOUR ATTENDANCE IF COSTS WERE £25



IF WE HAD TO COVER COSTS IN THE FUTURE WOULD YOUR ORGANISATION SUPPORT YOUR ATTENDANCE IF COSTS WERE £50



Comments

- Keep the International speakers coming. Great to get these insights from elsewhere
- Good to maintain EA representation and speakers
- I found the speakers and debate interesting. However, I thought there were more questions raised than answered.
- I find these sessions very useful to keep up to date with the industry. I'm wondering if it would be possible to have discussion topics and break up into smaller groups
- Discussion board / group

Specific topics you'd like covered?

- *In situ* aeration
- Methane abatement technologies
- Landfill mining
- Licence surrender
- Update on EA's landfill closure project
- Contextualise real risk of landfills to environment
 - Landfill gas migration
- Leachate recirculation
- Leachate treatment
- Long-term leachate and LFG monitoring
- Completion criteria
- Planning conflicts with long term control systems
- Legislation
- Fail-safe engineering
- Case studies of landfill performance cf prediction

Aspirations

- Hold another forum early 2018
- We'd like it to be free if we can find funding....
- Topics: Methane oxidation layers (and one other)
- International speaker
- We will need to include presentations from forum members
- Comments?

Acknowledgements

Development supported by EPSRC
Platform Grant **Processes, resource
recovery and remediation of residual
wastes**