



Review of Crematoria Guidance – PG 5/2 (2012)

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REVIEW TRIGGER



- New standard required following lessons from Pandemic – UK unpreparedness
- Review timely and needed to track UK 25 Year Environmental Plan and emissions targets proposed in the Environmental Act 2021
- Industry worries on Mercury abatement. Industry is 70% compliant
- Desire to assist Crematoria industry improve environmental performance
- Defra/LAU initial call inviting interest to identify priority issues

BACKGROUND

- Initial call for comments in July 2021. Response overwhelming.
- Improve preparedness through a genuine desire to improve, modernise and replace.
- Defra/LAU set up Technical Working Group (TWG) in November 2021
- Comprised of 46 members – technical experts, industry and interested parties
- Initial timeline set for 18 months.
- Most deliberation were virtual over TEAMS with three face-to-face covid compliant in-person meetings.
- Background paper prepared identifying all the key issues for review.
- Invitation for initial positions for review and agree scope
- Scoping meeting Dec 2021 to review PG 5/2 (2012)

SUMMARY OF REVIEW PROCESS

- Various phases of engagement involving both virtual and in-person meetings
- Focus on open participation and deliberations using empirical evidence - data/evidence, questionnaire, consensus debates
- Data gathered was collated on spreadsheets and shared for review
- Contributions from Buckinghamshire Council from our three crematoriums
- Draft guidance agreed by TWG for PG 5/2 (23) in December 2022
- Defra commenced regulatory impact assessment – costs et al
- Final consultation 9/10/23 to 3/12/23
- Seek approval of Ministers and Devolved Governments, after which it will be adopted as PG 5/2 (23)

TWG AGREED OUTCOMES

- Listed 38 consensus areas of the 2012 guidance to address
- Will apply to the whole of the UK, unlike existed previously
- Defined small, standby and temporary cremators
- Updating the cremation process to accommodate electric cremators and remote monitoring of the cremation process
- Emissions reporting on 7 key pollutants will be compulsory

CHANGES WORTH NOTING (1)

- Tighter ELV's for Particulate Matter (PM) and Hydrogen Chloride (HCL) from unabated cremators (subject to 100 HR/PA operating restrictions)
- Tighter concentration-based limit values for most pollutants from abated cremators
- Requirement for Mercury abatement technology to be extended to rest of the sector
- Tighter controls for standby cremators and small-scale cremators
- Tighter controls on bypass operation – Temp
- Operation of Abated Cremators in Bypass Mode
- Implementation dates for mandatory mercury abatement – 4yrs from date new guidance is issued.



CHANGES WORTH NOTING (2)

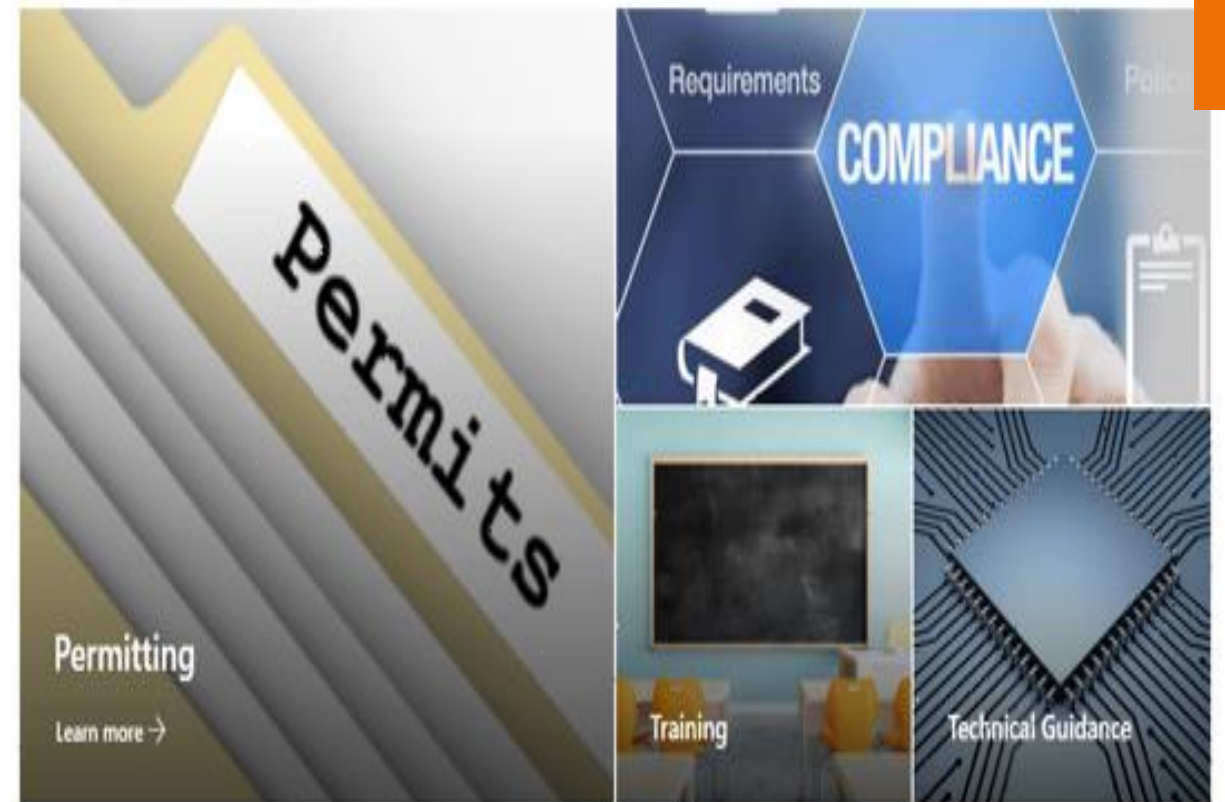
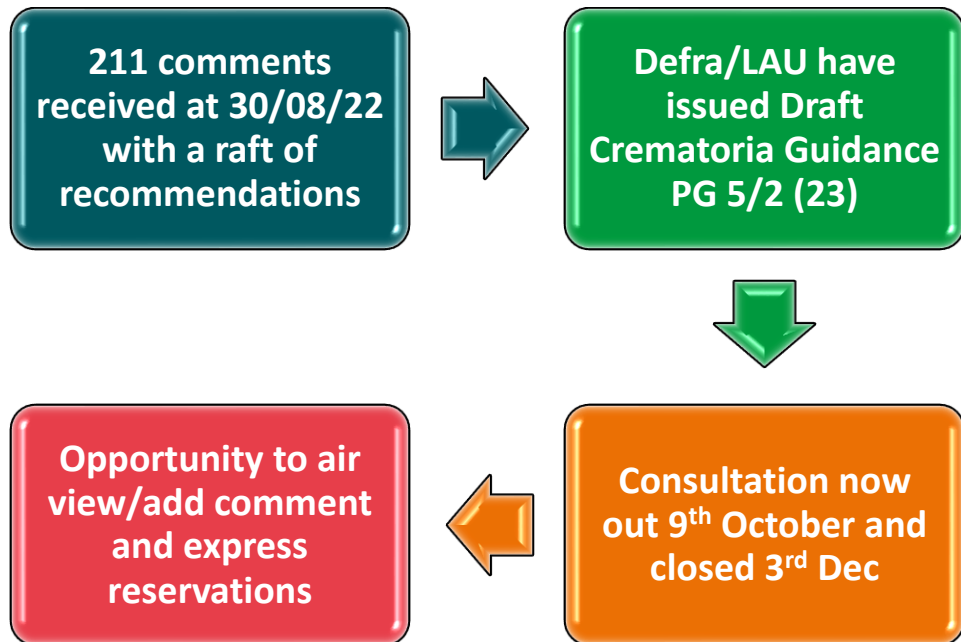
- Minimum temperatures and residence times
- New NOx emission limit (ammonia slip monitoring requirement due to Selective Non-Catalytic Reduction (SNCR) via De-Nox abatement
- Need for Air Quality Assessments at new and when substantial changes occur
- Mandatory data collation and reporting for stack height methodology for new crematoria
- Flue Gas treatment will be compulsory BAT across the industry. 4 years from new guidance issue date to comply
- Data collation and reporting for stack height methodology for new crematoria
- All pollutants identified as key environmental issues should be subject to monitoring



EXAMPLE OF A
PG 5/2 (23)
COMPLIANT
SITE



WHERE ARE WE NOW?



THANK YOU!

QUESTIONS PLEASE

