

Reporting PAH measurements for operators subject to the requirements of the Waste Incineration Directive

1. Background

Some industrial operators subject to the requirements of the Waste Incineration Directive (WID) are required to measure PAHs from stack gas emissions. The PAHs they must measure are given by DEFRA in “*Guidance on: Directive 2000/76/EC on the incineration of waste Edition 2*” .

2. List of PAHs provided in DEFRA guidance on WID

The following is the list of PAHs provided in the DEFRA guidance on WID:

- Anthanthrene
- Benzo[a]anthracene
- Benzo[b]fluoranthene
- Benzo[k]fluoranthene
- Benzo(b)naph(2,1-d)thiophene
- Benzo(c)phenanthrene
- Benzo[ghi]perylene,
- Benzo[a]pyrene
- Cholanthrene
- Chrysene
- Cyclopenta(c,d)pyrene
- Dibenzo[ah]anthracene
- Dibenzo[a,i]pyrene
- Fluoranthene
- Indo[1,2,3-cd]pyrene
- Napthalene

2. Analysis

The monitoring organisations should confirm that the analytical laboratory that carries out the analysis is UKAS accredited to analyse the individual PAHs listed above.

3. Reporting

The monitoring organisations should report a result for each of the **individual** PAHs listed above.

The results for the individual PAHs should be included in Part 1 (Executive Summary) of an MCERTS accredited monitoring report.

It is **not** necessary to report the summed total of the PAHs measured. However, if this is asked for by the operator it should be done by simply adding each individual PAH together. There is no requirement to calculate toxic equivalents for PAHs or for reporting them as a standardised mass, corrected to one specific PAH.

4. Feedback

If you have any comments or suggestions regarding this bulletin please contact Rupert Standing at rupert.standing@environment-agency.gov.uk.