APSE Innovation Forum 2011

Mercury abatement and burden sharing

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...and that's how Emissions Trading works. Any questions?

Was that the Mandarin version?
The Outline of Today’s Presentation

- Background to the CAMEO scheme
- How are local authorities meeting the challenge?
- How is the burden sharing scheme expected to operate after 1st January 2013?
- Question and answers
CAMEO - Background

- 1970/80’s environmental agenda appeared

- 1990’s Proved to be the defining period in time with the publication of the Government White Papers “This Common Inheritance” “The Precautionary Principle” “and the development of the view that “The Polluter Pays”

- The Environmental Protection Act 1990

- Guidance Note PG 5/2

- BATNEEC

- Emission monitoring and abatement
Aquatic Mercury Cycle from The US Geological Survey
CAMEO – The Reasons Why

- Mercury from teeth – pollutes NE Atlantic.
- Rise by two thirds by 2020
- OSPAR requires the UK to abate mercury
- How can this be achieved?
  - Some crematoria abate = Differential pricing
  - If all crematoria must abate = 20% have to close
- What is the alternative? BURDEN SHARE
What is CAMEO?

- It is the only national burden sharing scheme developed in the UK for crematoria.
- It is a non-profit making organisation.
- It collects compliance data from UK crematoria.
- CAMEO informs the industry on issues relating to mercury abatement.
What is Burden Sharing?

- Those who abate – lodge any cremations carried out above the 50% compliance threshold with CAMEO.

- Those who cannot abate – achieve their 50% compliance by purchasing “abated cremations” from CAMEO.

- CAMEO distributes the finance to those who lodged the abated cremations.
How does burden sharing work?

- Identify cost of abatement

- Capital Cost of abatement + Running Cost / Operating Life = £45 Burden Per cremation.

- Reviewed annually
Burden Sharing Example

- Crematorium A abates its total 2,000 cremations p.a.

- Cremations above 50% compliance threshold, 1,000, lodged with CAMEO

- Crematorium B abates none of its 2,000 cremations p.a.

- To achieve 50% compliance purchases 1,000 abated cremations from CAMEO – cost 1000 X £45 = £45,000

- CAMEO funnels income to members
How are local authorities meeting the challenge

- Cautious start.
- Current numbers
- CAMEO Membership
A Trading Scheme
Trading Administration

- Carried out over 12 weeks January – March
- In arrears
- Relating to previous calendar year
- Identify number in trading pool
- Invoice those burden sharing
- Pay those abating
- Issue Certificates
CAMEO – The Benefits

- Flexible – no closures
- Self managing
- Nationally agreed costs
- Nationally agreed payments
- Sharing information