



**United Nations
Environment
Programme**

Distr.
GENERAL

UNEP/POPS/EGB.2/2
23 October 2003

ENGLISH ONLY

EXPERT GROUP ON BEST AVAILABLE
TECHNIQUES AND BEST ENVIRONMENTAL
PRACTICES

Second session

Villarrica, Chile 8-12 December 2003

Item 3 of the provisional agenda¹

Development of guidelines on best available techniques and provisional guidance on best environmental practices relevant to the provisions of Article 5 and Annex C of the Stockholm Convention on Persistent Organic Pollutants

POSSIBLE ELEMENTS OF GUIDANCE ON BEST ENVIRONMENTAL PRACTICES AND
GUIDELINES ON BEST AVAILABLE TECHNIQUES²

Note by the secretariat

Contained in the annex to the present note is a list of possible elements of guidance on best environmental practices and guidelines on best available techniques prepared by the Secretariat to facilitate discussion on the matter by the Expert Group. The annex to the present note is based on annex A of the report of the first session of the Expert Group (UNEP/POPS/INC.7/6).

¹ UNEP/POPS/EGB.2/1.

² This document has not been formally edited.

Annex

Possible elements of guidance on BEP and guidelines on BAT

- I. Introduction
 - A. Convention provisions
[insert SC Article 5 and Annex C]
 - B. Principles
[see annex B of document UNEP/POPS/ INC.7/6]
 - C. Implementation flowchart with description
[To be developed]

- II. Best environmental practices
 - A. General considerations
[To be developed]
 - B. Policy issues (including assessment of options, environmental assessment of new projects, pollution prevention/control (hierarchy), education, reporting, etc.)
[To be developed]
 - C. Scientific and technological issues (evolving; research and development)
[To be developed]
 - D. Economic and social implications (new vs. existing facilities; relative priorities)
[To be developed]
 - E. Legal frameworks (national and subnational)
[To be developed]

- III. Best available techniques
 - A. New sources
[To be developed]
 - B. Existing sources
[To be developed]
 - C. Content:
 - (1) Process description
[To be developed]
 - (2) Sources of unintentionally produced POPs
[insert source categories from Annex C]
 - (3) Primary and secondary measures
[To be developed]
 - (4) Performance standards
[To be developed]
 - (5) Performance reporting
[To be developed]

IV. Guidance on BEP and Guidelines on BAT by source category

A. Part II: Source Categories

1. Waste incinerators, including co-incinerators of municipal, hazardous or medical waste or of sludge
[Based on documents UNEP/POPS/EGB.2/INF/9 and UNEP/POPS/EGB.2/INF/10]
2. Cement kilns firing hazardous waste
[Based on document UNEP/POPS/EGB.2/INF/8]
3. Production of pulp using elemental chlorine or chemicals generating elemental chlorine for bleaching
[Based on document UNEP/POPS/EGB.2/INF/5]
4. Thermal processes of the metallurgical industry:
 - a. Secondary copper production
[based on appendix 1 of UNEP/POPS/EGB/INF/7]
 - b. Sinter plants in the iron and steel industry
[based on appendix 2 of UNEP/POPS/EGB/INF/7]
 - c. Secondary aluminium production
[based on appendix 3 of UNEP/POPS/EGB/INF/7]
 - d. Secondary zinc production
[based on appendix 4 of UNEP/POPS/EGB/INF/7]

B. Part III: Source Categories

1. Open burning of waste, including burning of landfill sites
[based on document UNEP/POPS/EGB.2/INF/6]
2. Thermal processes in the metallurgical industry not mentioned in Part II:
 - a. Secondary lead production
[based on attachment 5 of UNEP/POPS/EGB.2/INF/7]
 - b. Primary aluminium production
[based on attachment 6 of UNEP/POPS/EGB.2/INF/7]
 - c. Magnesium production
[based on attachment 7 of UNEP/POPS/EGB.2/INF/7]
 - d. Others
[to be developed as identified]
3. Residential sources
[to be developed]
4. Fossil fuel-fired utility and industrial boilers
[to be developed]
5. Firing installations for work and other biomass fuels
[to be developed]

6. Specific chemical production processes releasing unintentionally formed POPs, especially production of chlorophenols and chloranil
[based on document UNEP/POPS/EGB.2/INF/11]
 7. Crematoria
[to be developed]
 8. Motor vehicles, particularly those burning leaded gasoline
[to be developed]
 9. Destruction of animal carcasses
[to be developed]
 10. Textile and leather dyeing (with chloranil) and finishing (with alkaline extraction)
[to be developed]
 11. Shredder plans for the treatment of end of life vehicles
[to be developed]
 12. Smouldering of copper cables
[to be developed]
 13. Waste oil refineries
[to be developed]
- V. Annexes: Applicable existing national and sub-national standards, guidelines or guidance for BAT
[to be identified or developed]
- VI. References: Applicable reference material from various sources, including assessment methods and measurement techniques.
[to be identified]