

## **Draft EB Decision on POPs in the Guidelines on Emission Inventories**

Informal document for WGSR45 (September 2009) by the Co-chair of TFPOPs, Johan Sliggers

### **1. Introduction**

Annex I of the Guidelines on Emission Inventories in para 10 asks Parties to deliver emission data of 10 POP substances. The 10 substances are not in line with the present POP Protocol nor with the possible amended version. At the EB26 in December 2008 informal document nr 3 put forward 3 options to revise para 10 of annex I of the Guidelines on Emissions. The informal document nr 3 has not been discussed at the EB. The EB has requested the WGSR to further examine the amendments of the Guidelines adopted at the session, if necessary (ECE/EB.AIR/96 para 83 (d)). At the WGSR44 the EU has requested the WGSR to include the item "EU proposal to extend EB decisions on emission data and reporting under the Convention and its Protocols" at its 45th session. The EB may wish to adjust the Guidelines by adopting the EB decision as outlined below. In the draft EB Decision below, option 1 of the informal document for the EB26 is chosen because this option is both in line with the current Protocol and the negotiations for the amended version. If the WGSR decides to forward another option to the EB27 the draft EB Decision should be changed accordingly. Annexed to the present informal document is the Informal document nr of the EB26.

N.B. The issue is also put on the agenda of the 33rd meeting of the EMEP-SB in September 2009. But since this is also a policy issue it is also brought under the attention of the WGSR45.

### **2. Draft EB Decision**

DECISION [2009/..] ON EMISSION DATA REPORTING OF PERSISTENT ORGANIC POLLUTANTS

*The Parties to the Convention meeting within the Executive Body,*

*Referring to the Guidelines for Reporting Emissions Data under the Convention on Long Range Transboundary Air Pollution (hereinafter "the Guidelines") adopted by the Executive Body at its twenty-sixth session (Decision 2008/16),*

*Noting the 1998 POP Protocol and the negotiations to amend this Protocol,*

Agree that:

Paragraph 10 of Annex I of the Guidelines is adjusted as follows: " 10. Persistent Organic Pollutants (lindane and polychlorinated biphenyls (PCBs))."

## Annex I

Informal document no 3 submitted to the Executive Body, 26th session, 15 – 18 December 2008

### **Guidelines on Emission Inventories: Text changes in Annex I to reflect the situation on POPs.**

At the 26th Executive Body meeting the “Guidelines on Emission Inventories” are to be adopted (ECE/EB.AIR/2008/4). In Annex I of these Guidelines certain POPs are listed for which emission reporting obligations exist (A. Category 1) and for which the reporting of emission data is encouraged (B. Category 2). This Annex I, part B. - Category 2, is annexed to this informal document with the options for changes as discussed in this paper.

Looking at para 10 of Annex I of the Guidelines (Category 2, POPs for which the reporting is encouraged) one can see that the intention of para 10 is to already incorporate the POPs now under negotiation to be added to the POP Protocol. However, looking at the negotiations there is a need for some slight changes to reflect the probable/possible outcome of the negotiations. These slight changes are reflected in option 2. In option 2 DDT is deleted for there is no production and use in the ECE. PeCB, PCN and HCBD are included assuming they arrive in Annex III of the POP Protocol.

If one would not already now include POPs under negotiation, one would arrive at option 1. In option 1 DDT is omitted for the same reason as in option 2.

Option 3 does not only include POPs that are now under negotiation but also incorporates the five substances that have been submitted for this 26th EB meeting for inclusion into the POP Protocol. The advantage of option 3 is that the Convention will get a better picture of the emissions/production/sales/use of the five newly submitted substances. In option 3 DDT is again omitted.

Annexed to this informal document is Annex I, B - Category 2 of the Guidelines on Emission Inventories with the three options for para 10. **It is up to the Executive Body to choose between the options for para 10.** Keeping the para 10 as is now in ECE/EB.AIR/2008/4 is not really an option.

#### Notes for EMEP

1. Production of PCBs is prohibited. PCB is contained in several products in use and can be emitted from these products. Although PCBs are not in Annex III they are emitted in several combustion processes. This is all covered in the Guidebook.
2. In all options substances are listed which are pesticides or that are chemicals contained in products. For these substances EMEP-SB should preferably ask the production, sales and (historic) use. If the Guidebook contains emission factors then the countries can be asked to estimate the emissions of these substances. If the emission factors are not (yet) in the Guidebook it might be better if MSC-E should derive/calculate emissions for these substances.

Johan Sliggers, Co-chair of the TF on Persistent Organic Pollutants.

October 7, 2008.

Annex I

**SUBSTANCES AND DEFINITIONS**

**I. SUBSTANCES**

**B. Category 2 – Substances for which parties are encouraged requested<sup>1</sup> to report emission data**

7. Carbon monoxide.

8. Particulate matter<sup>2</sup> (PM10 and PM2.5 and TSP (total suspended particulate matter)) means:

(a) PM2.5: The mass of particulate matter that is measured after passing through a size-selective inlet with a 50 per cent efficiency cut-off at 2.5 µm aerodynamic diameter;

(b) PM10: The mass of particulate matter that is measured after passing through a size-selective inlet with a 50 per cent efficiency cut-off at 10 µm aerodynamic diameter;

(c) TSP: The mass of particles, of any shape, structure or density, dispersed in the gas phase at the sampling point conditions which may be collected by filtration under specified conditions after representative sampling of the gas to be analyzed, and which remain upstream of the filter and on the filter after drying under specified conditions.

9. Heavy metals (arsenic, chromium, copper, nickel, selenium, zinc) and their compounds.

Option 1

10. Persistent organic pollutants (lindane and dichloro-diphenyl trichloroethane (DDT), polychlorinated biphenyl (PCBs), pentabromodiphenyl ether (PeBDE), perfluorooctane sulfonate (PFOS), hexachlorobutadiene (HCBd), octabromodiphenyl ether (OctaBDE), polychlorinated naphthalenes (PCNs), pentachlorobenzene (PeCB) and short-chained chlorinated paraffins (SCCP)).

N.B. Lindane is not produced/used anymore in the EU. Is there production/use in the rest of the ECE region.

Option 2

10. Persistent organic pollutants (lindane, dichloro-diphenyl trichloroethane (DDT), polychlorinated biphenyl (PCBs), pentabromodiphenyl ethers (tetra-, penta-, hexa- and heptaBDE), perfluorooctane sulfonates (PFOS), hexachlorobutadiene (HCBd), octabromodiphenyl ether (OctaBDE), polychlorinated naphthalenes (PCNs), pentachlorobenzene (PeCB) and short-chained chlorinated paraffins (SCCP)).

N.B. 1. Lindane is not produced/used anymore in the EU. Is there production/use in the rest of the ECE region?

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<sup>1</sup> Is encouraged the best wording in the title of Category 2? (suggestion to change into requested).

<sup>2</sup> A few typo's have been spotted in section B. Category 2. They are indicated in red.

N.B. 2. Polychlorinated naphthalenes (PCNs), pentachlorobenzene (PeCB) are emitted as unintentional by-products. For PeCB there are no emission factors. PCN emissions can be derived from the D/F emissions and the use of PCBs.

### Option 3

10. Persistent organic pollutants (~~lindane, dichloro-diphenyl-trichloroethane (DDT),~~ polychlorinated biphenyl (PCBs), ~~penta~~bromodiphenyl ethers (~~tetra-, penta-, hexa- and hepta~~BDE), perfluorooctane sulfonates (PFOS), hexachlorobutadiene (HCBd), ~~octabromodiphenyl ether (OctaBDE),~~ polychlorinated naphthalenes (PCNs), ~~pentachlorobenzene (PeCB), and~~ short-chained chlorinated paraffins (SCCP), hexabromocyclododecane (HBCDD), endosulfan, dicofol, pentachlorophenol (PCP) and trifluralin.

N.B. 1. Lindane is not produced/used anymore in the EU. Is there production/use in the rest of the ECE region?

N.B. 2. Polychlorinated naphthalenes (PCNs), pentachlorobenzene (PeCB) are emitted as unintentional by-products. For PeCB there are no emission factors. PCN emissions can be derived from the D/F emissions and the use of PCBs.