

## COMPLIANCE WITH REPORTING OBLIGATIONS

### Note by the secretariat

This document contains information referred to in the fourteenth report of the Implementation Committee (ECE/EB.AIR/2011/2) and its recommendations to the Executive Body (ECE/EB.AIR/2011/7). This information provided the basis for the Committee's evaluation of compliance by Parties with their obligations to report on emission data and on strategies and policies.

Part I presents the status of emission data reporting as of 6 July 2011 and contains seven tables reflecting reporting under the seven Protocols in force: the 1985 Sulphur Protocol, the Protocol on Nitrogen Oxides, the Protocol on Volatile Organic Compounds (VOCs), the 1994 Protocol on Sulphur, the Protocol on Heavy Metals, the Protocol on Persistent Organic Pollutants (POPs) and the Gothenburg Protocol. The tables were prepared by the secretariat with the help of the EMEP Centre on Emission Inventories and Projections (CEIP) and were revised to reflect the comments by the Committee.

The "X's" in the tables refer to the submission of national totals for each Party that submitted data to CEIP (and notified the secretariat about their submission). Tables 1 to 4 show whether Parties have reported national totals for the pollutant required under Protocols they are Party to. Tables 4 to 7 show whether Parties have reported on time ("X<sup>T</sup>") in the latest reporting round. Table 5 shows reporting for total PAHs, Dioxin/Furans, HCB - the three POPs for which Parties to the Protocol have emission reduction obligations. Table 6 shows heavy metal reporting of the priority metals (Cd, Pb and Hg). Table 7 shows reporting under the Gothenburg Protocol for SO<sub>2</sub>, NO<sub>x</sub>, VOCs and ammonia.

Part II presents an update by the secretariat of the overview of responses to the 2010 Questionnaire on Strategies and Policies for Air Pollution Abatement submitted by 26 April 2011.

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## Part I

### STATUS OF EMISSION DATA REPORTED BY PARTIES TO THE PROTOCOLS

**Table 1:**  
**Emissions reported by Parties to the 1985 Protocol on Sulphur**

Party	Base year	Annual totals	
	1980	2008	2009
Albania	-	n/a	-
Austria	X	X	X
Belarus	X	X	X
Belgium	X	X	X
Bulgaria	X	X	X
Canada	X	X	X
Czech Republic	X	X	X
Denmark	X	X	X
Estonia	X	X	X
Finland	X	X	X
France	X	X	X
Germany	X	X	X
Hungary	X	X	X
Italy	X	X	X
Liechtenstein	X	X	X
Lithuania	X	X	X
Luxembourg	X	-	-
Netherlands	X	X	X
Norway	X	X	X
Russian Federation	X	X	X
Slovakia	X	X	X
Sweden	X	X	X
Switzerland	X	X	X
The FYR of Macedonia	-	X	X
Ukraine	X	X	X
<b>Total</b>	92%	96%	92%

X Data received

- No data received

n/a - Reporting obligation not applicable

**Table 2:**  
**Emissions reported by Parties to the Protocol on Nitrogen Oxides**

Party	Base year	Annual totals	
	1990	2008	2009
Albania	X	n/a	-
Austria	X	X	X
Belarus	X	X	X
Belgium	X	X	X
Bulgaria	X	X	X
Canada	X	X	X
Croatia	X	X	X
Cyprus	X	X	X
Czech Republic	X	X	X
Denmark	X	X	X
Estonia	X	X	X
Finland	X	X	X
France	X	X	X
Germany	X	X	X
Greece	X	X	X
Hungary	X	X	X
Ireland	X	X	X
Italy	X	X	X
Liechtenstein	X	X	X
Lithuania	X	X	X
Luxembourg	X	-	-
Netherlands	X	X	X
Norway	X	X	X
Russian Federation	X	X	X
Slovakia	X	X	X
Slovenia	X	X	X
Spain	X	X	X
Sweden	X	X	X
Switzerland	X	X	X
The FYR of Macedonia	-	X	X
Ukraine	X	X	X
United Kingdom	X	X	X
United States	X	X	X
EU	X	X	X
<b>Total</b>	97%	97%	94%

X Data received

- No data received

n/a - Reporting obligation not applicable

**Table 3:**  
**Emissions reported by Parties to the Protocol on VOCs**

Party	Annual totals / TOMAs		
	1988	2008	2009
Austria	X	X	X
Belgium	X	X	X
Bulgaria	X	X	X
Croatia	X	X	X
Czech Republic	X	X	X
Denmark	X	X	X
Estonia	X	X	X
Finland	X	X	X
France	X	X	X
Germany	X	X	X
Hungary	X	X	X
Italy	X	X	X
Liechtenstein	X	X	X
Lithuania	X	X	X
Luxembourg	X	-	-
Monaco	X	X	X
Netherlands	X	X	X
Norway	X	X	X
Slovakia	X	X	X
Spain	X	X	X
Sweden	X	X	X
Switzerland	X	X	X
The FYR of Macedonia	-	X	X
United Kingdom	X	X	X
<b>Total</b>	96%	96%	96%

X Data received

- No data received (or blank cells in the reporting table)

n/a - Reporting obligation not applicable

**Table 4:**  
**Emissions reported by Parties to the 1994 Protocol on Sulphur**

Party	Annual totals / SOMAs		Gridded data for EMEP Parties	
	2008	2009	2000	2005
Austria	X	X <sup>T</sup>	X	X
Belgium	X	X <sup>T</sup>	n/a	X
Bulgaria	X	X <sup>T</sup>	n/a	X
Canada*	X	X <sup>T</sup>	n/a	n/a
Croatia	X	X <sup>T</sup>	X	X
Cyprus	X	X <sup>T</sup>	n/a	X
Czech Republic	X	X <sup>T</sup>	X	X
Denmark	X	X <sup>T</sup>	X	X
Finland	X	X <sup>T</sup>	X	X
France	X	X <sup>T</sup>	X	X
Germany	X	X	X	X
Greece	X	X	X	X
Hungary	X	X <sup>T</sup>	n/a	X
Ireland	X	X <sup>T</sup>	X	X
Italy	X	X	X	X
Liechtenstein	X	X	n/a	n/a
Lithuania	X	X <sup>T</sup>	n/a	X
Luxembourg	-	-	-	-
Monaco	X	X <sup>T</sup>	n/a	n/a
Netherlands	X	X <sup>T</sup>	X	X
Norway	X	X <sup>T</sup>	X	X
Slovakia	X	X <sup>T</sup>	X	X
Slovenia	X	X <sup>T</sup>	X	X
Spain	X	X <sup>T</sup>	X	X
Sweden	X	X <sup>T</sup>	X	X
Switzerland	X	X <sup>T</sup>	X	X
The FYR of Macedonia	X	X	n/a	n/a
United Kingdom	X	X <sup>T</sup>	X	X
EU	X	X	X	X
<b>Total</b>	97%	97%	95%	96%

X<sup>T</sup> Data received on time. i.e. by 15 February (only for the current reporting round)

X Data received late (only for the current reporting round)

- No data received

n/a - Reporting obligation not applicable

\*Party outside the geographic scope of EMEP

**Table 5:**  
**Emissions reported by Parties to the Protocol on POPs**

Party	Annual totals												Gridded data		
	Base year			2007			2008			2009			2005		
	Diox	PAH	HCB	Diox	PAH	HCB	Diox	PAH	HCB	Diox	PAH	HCB	Diox	PAH	HCB
Austria	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Belgium	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Bulgaria	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Canada*	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a
Croatia	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a
Cyprus	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Czech Republic	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Denmark	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Estonia	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Finland	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
France	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Germany	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hungary	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Iceland	X	X	X	X	X	NE	X	X	NE	-	-	-	X	X	NE
Italy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NE
Latvia	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Liechtenstein	X	X	X	X	X	NA	X	X	NA	X	X	NA	n/a	n/a	n/a
Lithuania	X	X	X	X	X	NO/NE/NA	X	X	NO/NE/NA	X <sup>T</sup>	X <sup>T</sup>	NE <sup>T</sup>	X	X	NA
Luxembourg	X	X	X	NR	NR	NR	-	-	-	-	-	-	-	-	-
Netherlands	X	X	X	X	X	NO/NE/NA	X	X	NO/NE/NA	X <sup>T</sup>	X <sup>T</sup>	NO <sup>T</sup>	X	X	NA
Norway	X	X	X	X	X	NE	X	X	NE	X <sup>T</sup>	X <sup>T</sup>	NE <sup>T</sup>	NE	NE	NE
Republic of Moldova	X	X	X	-	-	-	X	X	X	X	X	X	-	-	-
Romania	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	NE	NE	NE
Slovakia	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X

Slovenia	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a
Spain	X	X	X	n/a	n/a	n/a	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X
Sweden	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	NE
Switzerland	X	X	X	X	X	NO/NA/IE	X	X	NA	X <sup>T</sup>	X <sup>T</sup>	NA <sup>T</sup>	X	X	NO
The FYR of Macedonia	-	-	-	n/a	n/a	n/a	NE	NE	NE	NE <sup>T</sup>	NE <sup>T</sup>	NE <sup>T</sup>	n/a	n/a	n/a
United Kingdom	X	X	X	X	X	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	NE	NE
EU	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Total</b>	97%	97%	97%	97%	97%	97%	97%	97%	97%	94%	94%	94%	92%	92%	92%

X<sup>T</sup> Data received on time i.e. by 15 February (only for the current reporting round)

X Data received late (only for the current reporting round)

'- No data received

n/a - Reporting obligation not applicable

NA "Not Applicable" (notation key from the Emission Reporting Guidelines used by Party)

NE "Not Estimated" (notation key from the Emission Reporting Guidelines used by Party)

NR "Not reported" (notation key from the Emission Reporting Guidelines used by Party)

NO "Not Occurring" (notation key from the Emission Reporting Guidelines used by Party)

IE "Included Elsewhere" (notation key from the Emission Reporting Guidelines used by Party)

\*Party outside the geographic scope of EMEP

**Table 6:**  
**Emissions reported by Parties to the Protocol on Heavy Metals**

Party	Annual totals				Gridded data
	Base year	2007	2008	2009	2005
Austria	X	X	X	X <sup>T</sup>	X
Belgium	X	X	X	X <sup>T</sup>	X
Bulgaria	X	X	X	X <sup>T</sup>	X
Canada*	X	n/a	n/a	X <sup>T</sup>	n/a
Croatia	X	X	X	X <sup>T</sup>	n/a
Cyprus	X	X	X	X <sup>T</sup>	X
Czech Republic	X	X	X	X <sup>T</sup>	X
Denmark	X	X	X	X <sup>T</sup>	X
Estonia	X	X	X	X <sup>T</sup>	X
Finland	X	X	X	X <sup>T</sup>	X
France	X	X	X	X <sup>T</sup>	X
Germany	X	X	X	X	X
Hungary	X	X	X	X <sup>T</sup>	X
Latvia	X	X	X	X <sup>T</sup>	X
Liechtenstein	X	NA	NA	NA	n/a
Lithuania	X	X	X	X <sup>T</sup>	X
Luxembourg	X	NR	-	-	-
Monaco	X	X	X	X <sup>T</sup>	n/a
Netherlands	X	X	X	X <sup>T</sup>	X
Norway	X	X	X	X <sup>T</sup>	NE
Republic of Moldova	X	-	X	X	-
Romania	X	X	X	X <sup>T</sup>	NE
Slovakia	X	X	X	X <sup>T</sup>	X
Slovenia	X	X	X	X <sup>T</sup>	X
Sweden	X	X	X	X <sup>T</sup>	X
Switzerland	X	X	X	X <sup>T</sup>	X
The FYR of Macedonia	-	n/a	n/a	NE <sup>T</sup>	n/a
United Kingdom	X	X	X	X <sup>T</sup>	X
United States*	X	n/a	n/a	X <sup>T</sup>	n/a
EU	X	X	X	X	X
<b>Total</b>	97%	96%	96%	97%	92%

X<sup>T</sup> Data received on time (only for the current reporting round)

X Data received late (only for the current reporting round)

- No data received

n/a - Reporting obligation not applicable

NA "Not Applicable" (notation key from the Emission Reporting Guidelines used by Party).

NE "Not Estimated" (notation key from the Emission Reporting Guidelines used by Party).

NR "Not reported" (notation key from the Emission Reporting Guidelines used by Party)

\*Party outside the geographic scope of EMEP



**Table 7:**

**Emissions reported by Parties to Gothenburg Protocol in accordance with Executive Body decision 2005/1**

Party	Annual totals								Gridded data			
	2008				2009				2005			
	SO <sub>2</sub>	NO <sub>x</sub>	VOCs	NH <sub>3</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOCs	NH <sub>3</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOCs	NH <sub>3</sub>
Belgium	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Bulgaria	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Croatia	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a	n/a
Cyprus	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	n/a	n/a	n/a
Czech Republic	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Denmark	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Finland	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
France	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a	n/a
Germany	X	X	X	X	X	X	X	X	X	X	X	X
Hungary	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Latvia	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Lithuania	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Norway	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Portugal	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Romania	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Slovakia	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Slovenia	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Spain	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Sweden	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
Switzerland	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
The FYR of Macedonia	n/a	n/a	n/a	n/a	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a	n/a
United Kingdom	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X	X	X	X
United States*	X	X	X	X	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	X <sup>T</sup>	n/a	n/a	n/a	n/a
EU	X	X	X	X	X	X	X	X	X	X	X	X
<b>Total</b>	96%	96%	96%	96%	96%	96%	96%	96%	95%	95%	95%	95%

X<sup>T</sup> Data received on time (only for the current reporting round)

X Data received late (only for the current reporting round)

- No data received (or blank cells in the reporting table)

n/a - Reporting obligation not applicable

\*Party outside the geographic scope of EMEP

## Part II

### INFORMATION SUBMITTED UNDER THE 2010 QUESTIONNAIRE ON STRATEGIES AND POLICIES FOR AIR POLLUTION ABATEMENT

**Table 8. 2010 review on strategies and policies: responses received by Parties to the Protocols in force**

Party Protocol	1985 Sulphur (Q.1)	1988 NOx (Q.2– 6)	1991 <sup>1</sup> VOCs (Q.7–12)	1994 Sulphur (Q.13–17)	1998 <sup>2</sup> POPs (Q.18–31)	1998 <sup>3</sup> Heavy Metals (Q.32–38)	1999 Gothenburg (Q. 39–66)
1. Albania	B	B					
2. Austria	A	A	A	A	A	A	
3. Belarus	B	B	R		R		R
4. Belgium	A	A	A	A	A	A	A
5. Bulgaria	A	A	A	A	A	A	A
6. Canada	A	A	R	B	A	B	R
7. Croatia		B	B	B	B	B	B
8. Cyprus	R	A	R	A	A	A	A
9. Czech Republic	A	A	A	A	A	A	A
10. Denmark	A	A	A	A	A	A	A
11. Estonia	A	A	A		A	A	R
12. Finland	A	A	A	A	A	A	A
13. France	None	None	None	None	None	None	None
14. Germany	B	B	B	B	<b>B</b>	B	B
15. Greece		B		B			
16. Hungary	A	A	A	A	A	A	B
17. Iceland					B		
18. Ireland		B		B			
19. Italy	B	B	B	B	B		R

<sup>1</sup> Questions 9-10 refer only to Parties in those areas in which national or international tropospheric ozone standards are exceeded or where transboundary fluxes originate or are expected to originate. Estonia did not respond to 9-10 and the Czech Republic did not respond to 9 but because they had no obligation to do so, they are marked as having answered all questions.

<sup>2</sup> Questions 28-29 are not mandatory. The obligation will become effective after 23 October 2011.

<sup>3</sup> Questions 35-36 are not mandatory. The obligation will become effective after 23 October 2011.

<b>Party</b> <b>Protocol</b>	<b>1985</b> <b>Sulphur</b> <b>(Q.1)</b>	<b>1988</b> <b>NOx</b> <b>(Q.2–6)</b>	<b>1991<sup>4</sup></b> <b>VOCs</b> <b>(Q.7–12)</b>	<b>1994</b> <b>Sulphur</b> <b>(Q.13–17)</b>	<b>1998<sup>5</sup></b> <b>POPs</b> <b>(Q.18–31)</b>	<b>1998<sup>6</sup></b> <b>Heavy Metals</b> <b>(Q.32–38)</b>	<b>1999</b> <b>Gothenburg</b> <b>(Q. 39–66)</b>
20. Latvia					None	None	None
21. Liechtenstein	A	A	A	A	A	A	
22. Lithuania	B	B	B	B	B	B	B
23. Luxembourg	None	None	None	None	None	None	None
24. Monaco			B	B		B	
25. Netherlands	A	A	A	A	A	A	A
26. Norway	A	A	A	A	A	A	A
27. Portugal							A
28. Republic of Moldova					B	B	
29. Romania					A	A	A
30. Russian Federation	A	C(q.4)					
31. Slovakia	A	A	A	A	A	A	A
32. Slovenia	R	A		A	A	A	A
33. Spain		A	A	A			B
34. Sweden	A	A	A	A	A	A	A
35. Switzerland	A	A	A	A	A	A	B
36. Ukraine	A	A	R	R	R	R	R
37. United Kingdom	R	A	A	A	A	A	A
38. United States		A				A	A
39. European Union		None		None	None	None	None

*Notes:*

A: Response to all questions related to the Protocol received by 1 April 2010.

B: Response to all questions related to the Protocol received, but not by 1 April 2010.

<sup>4</sup> Questions 9-10 refer only to Parties in those areas in which national or international tropospheric ozone standards are exceeded or where transboundary fluxes originate or are expected to originate. Estonia did not respond to 9-10 and the Czech Republic did not respond to 9 but because they had no obligation to do so, they are marked as having answered all questions.

<sup>5</sup> Questions 28-9 are not mandatory. The obligation will become effective after 23 October 2011.

<sup>6</sup> Questions 35-36 are not mandatory. The obligation will become effective after 23 October 2011.

C (no...):

None:



R

Response to all questions related to the Protocol received, except those specified.

No response received to any question regarding the Protocol.

Not applicable (not Party to the Protocol at the time of the reporting deadline of 31 March 2010).

Reply by a non-Party to the Protocol

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