Print

Part A

STOCKHOLM CONVENTION ON PERSISTENT ORGANIC POLLUTANTS
NATIONAL REPORT PURSUANT TO ARTICLE 15

1. INFORMATION ON THE PARTY

Name of Party	Lao People´s Democratic Republic
Date on which its instrument of Ratification/ Accession/ Approval or Acceptance was deposited:	28/06/2006

2. INFORMATION ON OFFICIAL CONTACT POINT

Full name of the institution	Water Resources and Environment Administration
Name and title of contact officer	Monemany Nhoybouakong
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3. INFORMATION ON NATIONAL FOCAL POINT FOR THE EXCHANGE OF THE INFORMATION

4. PERIOD REPORTED

Report for the period	from 01/01/2006 to 31/12/2009 *(If your country did not report for the Year 2006 in the previous reporting cycle, the form now provides you the option to do so.)*

5. DATE THE REPORT WAS SUBMITTED

Date the report was submitted	30 Nov 2010

Monemany Nhoybouakong

Signature of reporting officer

Part B

INFORMATION ON THE MEASURES TAKEN BY THE PARTY TO IMPLEMENT THE PROVISIONS OF THE STOCKHOLM CONVENTION AND ON THE EFFECTIVENESS OF SUCH MEASURES IN MEETING THE OBJECTIVES OF THE CONVENTION

SECTION I. ARTICLE 7: IMPLEMENTATION PLANS

1. Has your country developed a National Implementation Plan (NIP) Pursuant to Article 7 of the Stockholm Convention?

- (●) Yes

(Please specify)

- (●) Endorsed as part of a sustainable development strategy
- ( ) Yet to be endorsed as part of a sustainable development strategy

Have you updated your National Implementation Plan to address the new POPs added to the annexes of the Convention in 2009?

- ( ) Yes
- (●) No
- ( ) Information not available

- ( ) No

(Please specify all that apply)

- [ ] In progress
- [ ] Funding is not available
- [ ] Waiting for funding
- [ ] Not a priority in my country
- [ ] Other (Please specify)

2. Did your country receive financial assistance from the Global Environment Facility to develop the National Implementation Plan (NIP)?

- (●) Yes

(Select the implementing agency that supported your NIP preparation)

- ( ) Food and Agriculture Organization (FAO)
- ( ) United Nations Development Programme (UNDP)
- ( ) United Nations Environment Programme (UNEP)
- (●) United Nations Industrial Development Organization (UNIDO)
- ( ) World Bank (WB)
- ( ) Regional Banks

- ( ) No

(Please specify all that apply)

- [ ] Does not qualify for GEF funding
- [ ] Obtained funding from other sources
- [ ] Have yet to request funding
- [ ] No need of funding
- [ ] Other reason (Please specify)

3. Has your country transmitted its National Implementation Plan through the Secretariat to the Conference of the Parties?

- (•) Yes

  Date of transmittal:

  Please contact the Secretariat. There is no record of the NIP of your country received officially by the Secretariat

- ( ) No

  (Please specify the reason)

  - ( ) The plan is not yet completed
  - ( ) The plan has not yet been approved
  - ( ) The plan is in the process of being transmitted
  - ( ) Other (Please specify)

- ( ) Information not available

4. Has your country encountered any difficulty in putting the National Implementation Plan into operation?

- (•) Yes

  (Please specify all that apply)

  - [x] The funds allocated were not sufficient
  - [x] There was not enough time to complete it
  - [x] Lack of required expertise
  - [x] Inadequate information
  - [x] It was difficult to engage the stakeholders in the process
  - [ ] Other (Please specify)

- ( ) No
- ( ) Information not available

Please provide comments, if any, on questions 1 to 4 of this section:

SECTION II. ARTICLE 3: MEASURES TO REDUCE OR ELIMINATE RELEASES FROM INTENTIONAL PRODUCTION AND USE

5. Has your country prohibited and/or taken any legal or administrative measures necessary to eliminate the production and use of chemicals listed in Annex A of the Convention (Article 3, paragraph 1(i))?

- (•) Yes

  (Please fill in the following table. For each type of legal and/or administrative measure taken, please indicate the year in which it was implemented)

PROHIBITION AND/OR LEGAL OR ADMINISTRATIVE MEASURES TO ELIMINATE PRODUCTION AND USE OF CHEMICALS IN ANNEX A OF THE CONVENTION (ARTICLE 3, PARAGRAPH 1(I))

CHEMICAL	LEGAL/ADMINISTRATIVE MEASURE (SELECT ALL THAT APPLY)	YEAR
Aldrin *CAS No: 309-00-2*	[x] *Ban/prohibition on production*	2009
	[x] *Ban/prohibition on Import*	2009
	[ ] *Ban/prohibition on Export*	-
	[ ] *Ban/prohibition on all uses*	-
	[x] *Restriction for specific uses*	Up to 2004
	[ ] *No legal measures taken*	
Chlordane	[x] *Ban/prohibition on production*	2009

CAS No: 57-74-9	☑ Ban/prohibition on Import ☐ Ban/prohibition on Export ☐ Ban/prohibition on all uses ☑ Restriction for specific uses ☐ No legal measures taken	2009 - - Up to 2004
Dieldrin CAS No: 60-57-1	☑ Ban/prohibition on production ☑ Ban/prohibition on Import ☑ Ban/prohibition on Export ☐ Ban/prohibition on all uses ☑ Restriction for specific uses ☐ No legal measures taken	2009 2009 2009 - 2009
Endrin CAS No: 72-20-8	☑ Ban/prohibition on production ☑ Ban/prohibition on Import ☑ Ban/prohibition on Export ☐ Ban/prohibition on all uses ☑ Restriction for specific uses ☐ No legal measures taken	Up to 2004 Up to 2004 - - -
Heptachlor CAS No: 76-44-8	☑ Ban/prohibition on production ☑ Ban/prohibition on Import ☑ Ban/prohibition on Export ☐ Ban/prohibition on all uses ☑ Restriction for specific uses ☐ No legal measures taken	Up to 2004 Up to 2004 Up to 2004 - 2009
Hexachlorobenzene CAS No: 118-74-1	☐ Ban/prohibition on production ☐ Ban/prohibition on Import ☐ Ban/prohibition on Export ☐ Ban/prohibition on use as an intermediate in open systems ☐ Ban/prohibition on use as intermediate in closed system ☐ Ban/prohibition on use as solvent ☐ Ban/prohibition on all uses ☐ Restriction for specific uses ☑ No legal measures taken	- - - - - - - -
Mirex CAS No: 2385-85-5	☐ Ban/prohibition on production ☐ Ban/prohibition on Import ☐ Ban/prohibition on Export ☐ Ban/prohibition on all uses ☐ Restriction for specific uses ☑ No legal measures taken	- - - - -
Toxaphene CAS No: 8001-35-2	☑ Ban/prohibition on production ☑ Ban/prohibition on Import ☑ Ban/prohibition on Export ☐ Ban/prohibition on all uses ☑ Final elimination of all stocks is required	2009 2009 2009 - 2009 2008

	☑ *Restriction for specific uses* ☐ *No legal measures taken*	
Polychlorinated Biphenyls (PCB)	☐ *Ban/prohibition on production* ☐ *Ban/prohibition on Import* ☐ *Ban/prohibition on Export* ☐ *Ban/prohibition on all uses* ☐ *Final elimination of all stock is required* ☐ *Restriction for specific uses* ☑ *No legal measures taken*	- - - - - -
DDT (1,1,1-trichloro-2, 2-bis (4-chlorophenyl) ethane) CAS No: 50-29-3	☑ *Ban/prohibition on production* ☑ *Ban/prohibition on Import* ☑ *Ban/prohibition on Export* ☑ *Ban/prohibition on agricultural use* ☑ *Ban/prohibition on public health use* ☐ *Restriction on the production and or use in accordance with annex B* ☐ *No legal measures taken*	2009 2009 2009 2009 2009 -

○ No

(Please specify)

- ○ Measure are in the process of being developed and adopted
- ○ My country does not have the necessary legal or institutional framework
- ○ Other (Please specify)

○ Information not available

Please provide comments, if any, on question 5 of this section:

SECTION III. ARTICLE 5: MEASURES TO REDUCE OR ELIMINATE RELEASES FROM UNINTENTIONAL PRODUCTION

6. Has your country developed an action plan or, where appropriate, a regional or sub-regional plan, designed to identify, characterize and address the release of the chemicals listed in Annex C ?

○ Yes

◉ No

(Please specify all that apply)

- ☑ The action plan is currently in development
- ☑ The data required is not yet available
- ☑ Legal and administrative measures are not yet established
- ☑ Technical and financial capacity to develop the action plan is not available
- ☑ Technical and financial capacity to develop the action plan is being obtained
- ☐ Other (Please specify)

○ Information not available

7. Has your country encountered difficulties in the implementation of the action plan?

◉ Yes

(Please specify all that apply)

- [x] No adequate funding
- [x] Lack of necessary expertise
- [x] Insufficient information
- [x] Lack of necessary technology
- [x] Lack of enforcement framework
- [ ] Not a priority at the moment
- [ ] Other (Please specify)

( ) No
( ) Information not available
( ) Not Applicable

8. Has your country reviewed and/or updated your action plan?

( ) Yes
(•) No
( ) Information not available
( ) Not applicable

9. Has your country undertaken an evaluation of the releases derived from anthropogenic sources of the chemicals listed in Annex C of the Convention?

( ) Yes

Is the referred evaluation of release included in the Action Plan called for in Article 5(a)?

( ) Yes
( ) No

( ) No
(•) Information not available

10. Please provide the information on estimation of annual releases of Annex C chemicals in your country (refer to annexes: estimations, updating, revisions and projections and Source Categorization) Please indicate the information sources used to elaborate the release estimates (Please specify all that apply)

- [x] UNEP-Toolkit
- [ ] UN ECE-EEA Atmospheric Emission Inventory Guidebook
- [ ] National data derived from measurements
- [ ] Other published sources (Please specify)

Instructions: Please select the chemical and the year and complete the table. Then repeat for each chemical and each year.

- Please check NR (not relevant) if the source category does not exist in your country.
- Please check ND (not determined/no data) in case the source category is relevant but no release estimation was made.

Annual Releases of PCDD-PCDF (g TEQ/a)

Source Catagory	year	NR	ND	Air	Water	Land	Product	Residue
Ferrous and non-ferrous metal production	2004			1.32	0.02			0.03
Heat and power generation	2004			5.12				0.38
Miscellaneous	2004			2.16				
Open buming processes	2004			35.99		18.75		36.00
Production of chemicals and consumer goods	2004						0.32	0.01
Production of mineral products	2004			1.34				0.26

Waste incineration	2004			0.45				0.00
Ferrous and non-ferrous metal production	2005			1.32	0.02			0.03
Heat and power generation	2005			5.12				0.38
Miscellaneous	2005			2.16				
Production of mineral products	2005			1.34				0.26
Transportation	2005			0.05				
Waste incineration	2005			0.45				0.00

Annual Releases of PCB (kg/a)

Annual Releases of HCB (kg/a)

11. Has your country undertaken an evaluation of the efficacy of the laws and policies adopted to manage releases of unintentionally produced POPs?

- ○ Yes
- ○ No
- ○ In progress
- ◉ Information not available
- ○ Not Applicable

12. Has your country introduced requirements for use of Best Available Techniques (BAT) /and/or Best Environmental Practices (BEP) for new and existing sources?

- ○ Yes
- ○ In progress
- ○ No
- ◉ Information not available
- ○ Not Applicable

Please provide comments, if any, on questions 6 to 12 of this section:

SECTION IV. ARTICLE 6: MEASURES TO REDUCE OR ELIMINATE RELEASES FROM STOCKPILES AND WASTES

13. Has your country developed strategies for identifying stockpiles consisting of, or containing, chemicals listed in either Annex A or Annex B of the Convention (see Article 6, paragraph (a) (i))?

- ○ Yes

  (Please specify)

  - ○ As part of the National Implementation Plan
  - ○ Not as part of the National Implementation Plan

- ◉ No

  (Please specify all that apply)

  - ☐ The strategy is currently in development
  - ☐ The National Implementation Plan is still in progress
  - ☐ The information is already available
  - ☑ The necessary expertise and/or technical or financial capacity to develop a strategy is lacking
  - ☑ The necessary expertise and/or technical or financial capacity to develop a strategy is being obtained
  - ☐ Other (Please specify)

- ○ Information not available
- ○ Not Applicable

14. Has your country identified stockpiles consisting of, or containing, chemicals listed in Annex A or Annex B ?

- (●) Yes
- ( ) No
- ( ) Information not available
- ( ) Not Applicable

15. Has your country adopted any legislative or/and administrative measures to manage stockpiles in a safe efficient and environmentally sound manner?

- ( ) Yes
- ( ) No

(Please specify all that apply)

- [ ] Measures are in the process of being developed and adopted
- [ ] No necessary legal or institutional framework
- [ ] Other (Please specify)

- (●) Information not available
- ( ) Not Applicable

16. Has your country developed strategies for identifying products and articles in use and wastes consisting of, containing or contaminated with chemicals listed in Annex A, B or C (see Article 6, paragraph (a)(ii))?

- ( ) Yes
- ( ) No
- (●) Information not available
- ( ) Not Applicable

17. Has your country disposed of wastes consisting of or containing chemicals listed in Annex A or Annex B?

- ( ) Yes
- (●) No

(Please specify all that apply)

- [ ] There are no stockpiles
- [x] There is no technical and financial capacity for Environmentally Sound Management (ESM) of waste in my country
- [ ] Disposal of identified waste stockpiles is under the process
- [ ] Other (Please specify)

- ( ) Information not available
- ( ) Not Applicable

18. Has your country undertaken an evaluation of the efficacy of the laws and policies adopted to control and manage releases of POPs from Stockpiles and Wastes?

- ( ) Yes
- ( ) No
- ( ) In progress
- (●) Information not available
- ( ) Not Applicable

19. Has your country adopted any legislative and/or administrative measures to manage wastes, including products and

articles upon becoming wastes, as described in paragraph(d) of Article 6

- ( ) Yes
- ( ) No

(Please specify all that apply)

- [ ] Measures are in the process of being developed and adopted
- [ ] No necessary legal or institutional framework
- [ ] Other (Please specify)

- (•) Information not available
- ( ) Not Applicable

20. Has your country developed appropriate strategies for identifying sites contaminated by POPs (see Article 6, paragraph (a)(ii))?

- ( ) Yes
- (•) No

(Please specify all that apply)

- [ ] Strategies are in the process of being developed and adopted
- [x] No necessary legal or institutional framework
- [ ] Other (Please specify)

- ( ) Information not available
- ( ) Not Applicable

21. Has your country indentified contaminated sites?

- (•) Yes
- ( ) No
- ( ) In progress
- ( ) Information not available
- ( ) Not Applicable

22. Has your country taken steps to remediate the POPs contaminated sites?

- ( ) Yes
- (•) No

(Please specify all that apply)

- [x] No funds available
- [x] No technical capacity
- [ ] Not a priority
- [ ] Other (Please specify)

- ( ) Information not available

Please provide remarks, if any, regarding the questions 13 - 22 in this section:

SECTION V. INFORMATION REQUIRED PURSUANT PARAGRAPH 2 OF ARTICLE 15 OF THE CONVENTION

PRODUCTION OF CHEMICALS LISTED IN ANNEX A AND B OF THE CONVENTION

23. Has your country produced any of the chemicals listed in Annex A and B of the Convention?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

EXPORT OF CHEMICALS LISTED IN ANNEXES A AND B OF THE CONVENTION

24. Pursuant to Article 3, paragraph 2(b) has your country exported any of the chemicals listed in Annexes A and B of the Convention?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

IMPORT OF CHEMICALS LISTED IN ANNEXES A AND B OF THE CONVENTION

25. Pursuant to Article 3, paragraph 2(a) has your country imported any of the chemicals listed in Annexes A and B of the Convention?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

INFORMATION REGARDING CHEMICALS LISTED IN ANNEX B OF THE CONVENTION

26. Has your country submitted a report on the production and uses of DDT in a format provided by the Secretariat pursuant to paragraph 4 of Part II of Annex B?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

Please provide remarks, if any, regarding the questions 23 to 26 of this section:

SECTION VI. ARTICLE 9: INFORMATION EXCHANGE

27. Has your country established an information exchange mechanism?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

Please provide remarks, if any, regarding the question 27 of this section:

SECTION VII. ARTICLE 10: PUBLIC INFORMATION, AWARENESS AND EDUCATION

28. Has your country taken any measures to implement Article 10 of the Convention?

- ○ Yes
- ◉ No

(Please specify all that apply)

- ☐ National implementation plan is still in development
- ☑ Lack of institutional or policy framework
- ☑ Insufficient human capacity
- ☑ Insufficient financial capacity
- ☐ Other (Please specify)

- ○ Information not available
- ○ Not Applicable

Please provide remarks, if any, regarding the questions 28 of this section below

SECTION VIII. ARTICLE 11: RESEARCH, DEVELOPMENT AND MONITORING

29. Has your country taken any of the research, development and monitoring measures as requested in Article 11 of the Convention?

- ○ Yes
- ◉ No

(Please specify all that apply)

- ☐ National implementation plan is still in development
- ☑ Lack of institutional or policy framework
- ☑ Insufficient human capacity
- ☑ Insufficient financial capacity
- ☐ Other (Please specify)

- ○ Information not available
- ○ Not Applicable

Please provide remarks, if any, regarding the questions 29 of this section below

SECTION IX. ARTICLE 12: TECHNICAL ASSISTANCE

30. Has your country provided technical assistance to another Party as requested in Article 12?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

31. Has your country received technical assistance, pursuant to Article 12?

- ◉ Yes

(Please provide total value of the contribution in cash from each Party in the table below)

NAME OF THE PARTY PROVIDING ASSISTANCE	TOTAL AMOUNT(US$) FOR THE FOLLOWING YEARS				

	2006	2007	2008	2009	

- ○ No
- ○ Information not available
- ○ Not Applicable

32. Has your country taken measures to provide technology transfer to another Party pursuant to Article 12?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

33. Has your country received technology transfer, pursuant to Article 12?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

Please provide remarks, if any, regarding the questions 30 to 33 of this section below

SECTION X. ARTICLE 13: FINANCIAL RESOURCES AND MECHANISMS

34. Has your country provided, within its capabilities, financial support and incentives for national activities to implement the Convention (refer to paragraph 1 of Article 13)?

- ◉ Yes

(Please provide total amount allocated for the implementation of national activities in the table below)

TOTAL AMOUNT(US$) ALLOCATED FOR THE FOLLOWING YEAR			
2006	2007	2008	2009
			10000.00

- ○ No
- ○ information not available
- ○ Not Applicable

35. Has your country provided new and additional financial resources in support of the financial mechanism (refer to paragraph 2 of Article 13)?

- ○ Yes
- ○ No
- ◉ Information not available
- ○ Not Applicable

36. Has your country received financial resources through the financial mechanism (refer to paragraph 2 of Article 13)?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

37. Has your country provided financial resources through other bilateral, regional and multilateral sources or channels (refer to paragraph 3 of Article 13)?

- ○ Yes

- ( ) No
- (•) information not available
- ( ) Not Applicable

38. Has your country received financial resources external to financial mechanism through other bilateral, regional and multilateral sources and channels (refer to paragraph 3 Article 13)

- ( ) Yes
- (•) No
- ( ) Information not available
- ( ) Not Applicable

Please provide remarks, if any, regarding the questions 30 to 33 of this section below

Part C

REPORT ON PROGRESS IN ELIMINATING POLYCHLORINATED BIPHENYLS, PURSUANT TO ANNEX A, PART II SUBPARAGRAPH (G) OF THE CONVENTION

SECTION I. ARTICLE 6: MEASURES TO REDUCE OR ELIMINATE RELEASES FORM STOCKPILES AND WASTES

1. Has your country developed a strategy for identifying stockpiles consisting of or containing greater than 50 ppm PCBs (refer to Article 6, paragraph 1 (a) (i))?

- ( ) Yes

(Please specify all that apply)

- [ ] Media campaign
- [ ] Regulatory and enforcement policies
- [ ] Incentives
- [ ] Partnerships with stakeholders
- [ ] Sector identification
- [ ] Records
- [ ] Formal communication
- [ ] Informal communication
- [ ] Door to door search
- [ ] Other (Please specify)

- (•) No
- ( ) Information not available
- ( ) Not Applicable

2. Has your country developed a strategy for identifying products and articles in use and wastes consisting of, containing or contaminated with greater than 50 ppm PCBs (refer to Article 6, paragraph 1 (a) (ii))?

- ( ) Yes

(Please specify all that apply)

- [ ] Media campaign
- [ ] Regulatory and enforcement policies
- [ ] Incentives

- [ ] Partnerships with stakeholders
- [ ] Sector identification
- [ ] Records
- [ ] Formal communication
- [ ] Informal communication
- [ ] Door to door search
- [ ] Other (Please specify)

- (•) No
- ( ) Information not available
- ( ) Not Applicable

3. Has your country developed a strategy for identifying products and articles contaminated with open application of PCBs?

- ( ) Yes

(Please specify all that apply)

- [ ] Media campaign
- [ ] Regulatory and enforcement policies
- [ ] Incentives
- [ ] Partnerships with stakeholders
- [ ] Sector identification
- [ ] Records
- [ ] Formal communication
- [ ] Informal communication
- [ ] Door to door search
- [ ] Other (Please specify)

- (•) No
- ( ) Inforamtion not available
- ( ) Not Applicable

4. Has your country adopted legislative or/and administrative measures to ensure PCBs or articles containing greater than 50 ppm PCBs identified as wastes (See Article 6, paragraphs 1 d (i) and 1 d (ii))?)) are managed in an environmentally sound manner

- ( ) Yes

(Please indicate)

*Handled **in an environmentally sound manner?***	( ) *Yes*	( ) *In progess/under consideration*	( ) *No*	( ) *Does not apply*
*Collected **in an environmentally sound manner?***	( ) *Yes*	( ) *In progess/under consideration*	( ) *No*	( ) *Does not apply*
*Transported **in an environmentally sound manner?***	( ) *Yes*	( ) *In progess/under consideration*	( ) *No*	( ) *Does not apply*
*Stored **in an environmentally sound manner?***	( ) *Yes*	( ) *In progess/under consideration*	( ) *No*	( ) *Does not apply*
*Disposed of **in such a way as indicated in paragraph d(ii) of Article 6 of the Convention?***	( ) *Yes*	( ) *In progess/under consideration*	( ) *No*	( ) *Does not apply*

- (●) No
- ( ) Information not available
- ( ) Not Applicable

5. Has your country developed appropriate strategies for identifying sites contaminated by greater than 50 ppm PCBs (refer to Article 6, paragraph 1(e))?

- ( ) Yes
- (●) No
- ( ) Information not available
- ( ) Not Applicable

6. Has your country identified sites contaminated by greater than 50 ppm of PCBs (e.g. building and or soil contaminated by leaking equipment, etc)?

- ( ) Yes
- (●) No
- ( ) site survey is in progress
- ( ) Information not available
- ( ) Not Applicable

Please provide remarks, if any, regarding the questions 1 to 6 of this section below

SECTION II. POLYCHLORINATED BIPHENYLS (PCBS) INVENTORY

7. Has your country taken measures to identify and label, where appropriate, all equipment in use containing greater than 50 ppm PCBs (refer to Article 6, paragraph 1 (a) and (b) and Annex A, part II, paragraph(a))?

- ( ) Yes

(Please specify all that apply)

- [ ] Constitution of Task force
- [ ] Questionnaire survey
- [ ] Legislation/regulation
- [ ] Inventory implementation
- [ ] Other (Please specify)

- (●) No

(Please specify all that apply)

- [ ] national implementation plan or inventory is in progress
- [ ] national implementation plan or inventory has not yet begun
- [ ] lack of financial resources
- [ ] lack of trained human resources
- [ ] Other (Please specify)

- ( ) Information not available
- ( ) Not Applicable

8. Has your country taken measures to identify and/or label, where appropriate, all wastes liable to contain greater than 50 ppm PCBs (transformer oils in drums or reservoirs and contaminated equipment)? (Refer to Article 6 and paragraph 1 (a) and (b))

- ( ) Yes
- (•) No
- ( ) Information not available
- ( ) Not Applicable

9. Has your country taken measures to identify articles and materials contaminated through open application of PCBs?

- (•) Yes

(Please specify all that apply)

- [ ] Constitution of Task force
- [x] Questionnaire survey
- [ ] Legislation/regulation
- [x] Inventory implementation
- [ ] Other (Please specify)

- ( ) No
- ( ) Information not available
- ( ) Not Applicable

10. Has your country identified articles and materials contaminated through open application of PCBs?

- ( ) Yes
- (•) No
- ( ) Information not available
- ( ) Not Applicable

11. What proportion of the storage facilities for equipment and wastes containing greater than 50 ppm PCBs that have been identified in your country, are clearly secured?

- ( ) All of them (100%)
- ( ) Most of them (51-99%)
- ( ) Some of them (1-50%)
- (•) None
- ( ) Information not available
- ( ) Not Applicable

12. What proportion of waste containing greater than 50 ppm PCBs that have been identified in your country, is stored in leak-proof containers?

- ( ) All of them (100%)
- ( ) Most of them (51-99%)
- ( ) Some of them (1-50%)
- (•) None
- ( ) Information not available
- ( ) Not Applicable

13. Has your country developed a specific plan for the management, phase-out and disposal of PCBs?

- (•) Yes

(Please specify all that apply)

- [x] As a part of National Implementation Plan

- [ ] Not as a part of National Implementation Plan

- ( ) Is in progress
- ( ) No
- ( ) Information not available
- ( ) Not Applicable
- ( ) Other (Please specify)

14. Has your country encountered any difficulties in the implementation of the specific plan for the management, phase-out and disposal of PCBs?

- (•) Yes

(Please specify all that apply)

- [x] Lack of funds
- [x] Lack of technical expertise
- [x] Lack of human resources
- [x] Lack of disposal facility
- [x] Lack of storage facility
- [x] Lack of analytical laboratory
- [x] Lack of policy framework
- [ ] Other (Please specify)

- ( ) No
- ( ) Information not available
- ( ) Not Applicable

15 Has your country instituted any of the following measures to reduce exposures from the use of PCBs (refer to Annex A, Part II subparagraph (b))? (Please specify all that apply)

- ( ) Yes
- (•) No
- ( ) Not known
- ( ) Not Applicable

16 Has your country undertaken an inventory of PCB oil and contaminated equipment?

- ( ) Yes
- ( ) No
- (•) Information not available
- ( ) Not Applicable

Please provide remarks, if any, regarding the questions 7 to 16 of this section below

SECTION III. INFORMATION ON PRODUCTION, IMPORT, EXPORT AND DISPOSAL OF PCBS

PRODUCTION OF PCBs AS LISTED IN ANNEX A OF THE CONVENTION

17. Did your country produce any PCBs?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

DESTRUCTION OF PCBs AS LISTED IN ANNEX A OF THE CONVENTION

18. Has your country locally destroyed any PCB oil and equipment or articles containing greater than 50 ppm PCBs identified in your country (refer to Article 6, paragraph 1 (d) (ii))?

- ○ Yes
- ○ No
- ○ Information not available
- ○ Not Applicable

IMPORT AND EXPORT OF PCBS AS LISTED IN ANNEX A OF THE CONVENTION

19. Has your country imported any PCB oil and equipment or articles containing greater than 50 ppm PCBs for destruction (refer to Annex A, part II, paragraph (c))?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

EXPORT OF PCBs AS LISTED IN ANNEX A OF THE CONVENTION

20. Has your country exported any PCBs oil and equipment or articles containing greater than 50 ppm PCBs for destruction (refer to Annex A part II, paragraph (c))?

- ○ Yes
- ◉ No
- ○ Information not available
- ○ Not Applicable

Please provide remarks, if any, regarding the questions 17 to 20 of this section below

Part D

Additional information and comments.

1. Please provide any substantial information that you consider useful

2. Please provide comments, suggestions and recommendations regarding ways to improve the questionnaire, if any.

Annex

Categorization of sources of unintentional releases of POPs

Categorization of sources of unintentional releases of POPs under the Stockholm Convention is listed in Annex C Part II and Part II to the Convention. These source categories are considered also in the Standardized Toolkit for Identification and Quantification of Dioxin and Furan Releases developed by UNEP under the Stockholm Convention. The source categories are grouped into logical clusters to facilitate elaboration and reporting of the POPs releases.

Some countries are reporting POPs releases also under the UNECE Convention on Longrange Transboundary Air Pollution (CLRTAP) along with a number of other pollutants. They are reporting according to the Guidelines for Estimating and Reporting Emission Data (UNECE CLRTAP 2003). Source categorization according to the Common Reporting Format (CFR) is used, what is a standardised reporting format established for reporting on national emissions under UN Framework Convention on Climate Change (UNFCCC) and CLRTAP. Within the CFR a standardised Nomenclature for Reporting (NFR) is applied, which lists and classifies a number of source categories and sub-sectors by codes. NFR replaced the categorization system SNAP, which has been used under UNECE before.

To facilitate comparability of the reported unintentional POPs release data, processing of regional and global release summaries as well as elaboration of time trends for the purpose of effectiveness evaluation under Article 16 of the Convention, Parties are encouraged to report releases of unintentional POPs according to the source categorization listed in Annex C of the Convention, grouped according to the main source categories as used in the UNEP Dioxin/Furan Toolkit

UNEP Dioxin/Furan Toolkit	Stockholm Convention Annex C	SNAP 97	NFR
1. Waste incineration		0902	
Municipal solid waste incineration	Part II (a)	090201	6C
Hazardous waste incineration	Part II (a) Part II (b)	090202, 090208	6C
Medical waste incineration	Part II (a)	090207	6C
Light-fraction shredder waste incineration	Part II (a)		6C
Sewage sludge incineration	Part II (a)	090205	6C
Waste wood and waste biomass Incineration	Part II (a)		6C
Destruction of animal carcasses	Part III (i)	090902	6C
2.Ferrous and non-ferrous metal production			
Iron ore sintering	Part II (d)(ii)	030301	1A2a
Coke production	Part III (b)	010406	1A1c
Iron and steel production	Part III (b)	030203, 040206	1A2a 2C1
Foundries	Part III (b)	030303	1A2a
Copper production	Part II (d) (i)	030306, 030309	1A2b
Alluminium production	Part II (d)(iii)	030310 030322, 040301	1A2b 2C3
Lead production	Part III (b)	030307	1A2b
Zinc production	Part II (d)(iv)	030308	1A2b
Brass and bronze production	Part III (b)		1A2b
Magnesium production	Part III (b)	030323	1A2b
Other non-ferrous metal production	Part III (b)		1A2b
Shredders	Part III (k)		
Thermal wire reclamation	Part III (l)	No SNAP	
3.Power generation and heating/cooking Annex C Part III (c) (d) (e)		01, 02, 03	
Fossil fuel power plants	Part III (c)	0101, 0102, 0201, 0202	1A1a, 1A1b, 1A1c, 1A2a, 1A2b, 1A2c, 1A2d, 1A2e, 1A2f, 1A4a,1A4c, 1A5a
Biomass power plants	Part III (e)	0101, 0102, 0201, 0202	1A1a, 1A1b, 1A1c, 1A2a, 1A2b, 1A2c, 1A2d, 1A2e, 1A2f, 1A4a,1A4c, 1A5a
Landfill, biogas combustion	Part III (e)	0101, 0102, 0201	1A1a, 1A1b, 1A1c, 1A2a, 1A2b, 1A2c, 1A2d, 1A2e, 1A2f, 1A4a,1A4c, 1A5a
Household heating and cooking (biomas)	Part III (c)	020205	1A4b

Domestic heating (fossil fuels)	Part III (c)	020205	1A4b
4. Production of mineral products			
Cement production	Part III (d)	030311	1A2f
Lime production	Part III (d)	030312	1A2f
Asphalt mixing	Part III (d)	030313	1A2f
Glass production	Part III (d)	030314-030318	1A2f
Ceramic production	Part III (d)	030320	1A2f
Brick production	Part III (d)	030319	1A2f
5. Transport		07, 08	1A3
4 –Stroke engines	Part III (h)		
2- Stroke engines	Part III (h)		
Diesel engines	Part III (h)		
Heavy oil fired engines	Part III (h)		
6. Open burning			
Biomass burning: Forest fires Savanah burning Agriculture residue burning	Part III (a)		5B 4E 4F
Waste burning, accidental fire	Part III (a)	0907	6D
7. Production and use of chemicals and consumer goods			
Pulp and paper production	Part II (c)	040602-04	2D1
Chemical industry	Part III (f)	0405	2B5
Petroleum industry	Part III (f)	0401	1B2aiv
Textile production	Part III (j)	060312	6c
Leather refining	Part III (j)	060313	6c
8. Miscellaneous			
Drying of biomass			
Crematoria	Part III (g)	090901	6c
Smoke houses			
Dry cleaning	Part III (f)	060202	6b
Tobaco smoking			
9. Disposal			
Landfills and waste dumps		090401, 090402	6A
Seawage and seawage treatment		091002	6B
Open water dumping		091001	6B
Composting		091005	6D
Waste oil treatment	Part III (m)	091008	6A1
10. Identification of potential hot spots			6A
Production sites of chlorinated organics	Para 1 (e)	090402	
Production sites of chlorine	Para 1 (e)	090402	
Formulation sites of chlorinated phenols	Para 1 (e)	090402	
Application sites of chlorinated phenols	Para 1 (e)	090402	
Timber manufacture and treatment sites	Para 1 (e)	090402	
PCBs filled transformers and capacitors	Para 1 (e)	090402	
Dumps of wastes/residues from categories 1-9	Para 1 (e)	090402	
Sites of relevant accidents	Para 1 (e)	090402	

Kaolinite or ball clay sites	**Para 1 (e)**	**090402**	
Dredging of sediments	**Para 1 (e)**	**090402**	

Release estimations, updating, revisions, and projections

Article 5, paragraph (a) (i) of the Stockholm Convention requires that Parties evaluate current and projected releases, including the development and maintenance of source inventories and release estimates of chemicals listed in Annex C Part I, taking into consideration the source categories identified in Annex C Part II and III.

This means in practice that Parties have to elaborate their **initial release estimates** and **update these estimates** in regular intervals (e.g. every 4 years) as well as **revise the estimates** if necessary to establish **time trends** and to maintain their consistency.

Initial release estimate is the first inventory of sources and releases of Annex C POPs elaborated by a particular Party usually as part of the national implementation plan developed under Article 7. It is the baseline information according to which changes in releases over time will be evaluated.

Updating of the release estimates will be necessary through estimation of annual releases in regular intervals, establishing trends over time. To update the release estimates and maintain consistency of the time trends it is essential to:

- Use the same methodology as used for the initial release estimate to calculate also releases for the following years
- Adjust the activity rates in a particular year according to the situation in this particular year (e.g. production statistics)
- In case of change in technology, raw material, abatement technique or other key parameter which could have influence on release strength, also the emission factors have to be changed as appropriate

Revisions (recalculation/correction) of previous estimations may be necessary, in order to correct the estimations while maintaining consistency over time, for the following reasons:

- Major changes in methodology such as publishing of revised or new emission factors and/or adding new source categories
- New/corrected information/knowledge on country level

Projections (forecasts) of future releases may be elaborated by Parties using the same methodology considering:

- Assumptions of the future activity rates based on e.g. expected GDP grow, production plans of the particular plant/sector, expected socio-economic development etc.
- Appropriate emission factors based on planed/expected change in technology, raw material, abatement technique or other key parameter which could have influence on release strength