

## **Report from France on the monitoring of the implementation of Regulation (EU) 2019/1021 on persistent organic pollutants (POPs Regulation)**

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## Introduction and background

Persistent organic pollutants (POPs) are organic substances that persist in the environment, accumulate in living organisms and pose a risk to our health and the environment. They can be transported by air, water or migratory species across international borders, reaching regions where they have never been produced or used. International agreements for the risk management of POPs have been established as no region can manage the risks posed by these substances alone.

POPs are regulated worldwide by the UNECE Protocol on POPs ("the Protocol"), adopted in 1998 in Aarhus as part of the Convention on Long Range Transboundary Air Pollution (CLRTAP) and by the Stockholm Convention on POPs, adopted in 2001 and entered into force in 2004 ("the Convention").

The Protocol and the Convention are implemented in the European Union by the Regulation (EU) 2019/1021 on persistent organic pollutants (the POPs Regulation) which repealed the original Regulation (EC) No 850/2004 on POPs. The POPs Regulation aims to protect human health and the environment with specific control measures that:

- prohibit or severely restrict the production, placing on the market and use of POPs;
- minimise the environmental release of POPs that are formed as industrial by-products;
- make sure that stockpiles of restricted POPs are safely managed; and
- ensure the environmentally sound disposal of waste consisting of, or contaminated by POPs.

POPs are listed in three Annexes to the Regulation (Annex I – banned, Annex II – restricted, Annex III – unintentionally released POPs).

POP subject to waste management provisions set out in Article 7 are listed in Annex IV.

[List of substances subject to the POPs Regulation](#)

For more information for the Stockholm Convention and the UNECE Protocol on POPs, see the following links:

[Stockholm Convention on POPs](#)

[The 1998 Aarhus Protocol on Persistent Organic Pollutants \(POPs\)](#)

## Scope and period of time covered by the national reports

Article 13 of the POPs Regulation covers the reporting requirements for Member States and the European Chemicals Agency. The Member States are required to draw up and publish a report containing information specified in its Article 13(1) and give the Commission and ECHA access to the information contained in it. The information contained in this report has been compiled by ECHA on the basis of the information provided by the Member State to ECHA in accordance of Article 8(g) of the POPs Regulation. The report has been published by ECHA in its webpage with the agreement of the Member State Competent Authority on POPs.

The information contained in the national reports pertains the period from 2019 onwards. However, some Member States might have included information from previous years in their national reports for completeness. The national reports are updated annually, as far as new information becomes available to the Member States, or at least every three years.

Information from previous years is reported in accordance with the Article 12 of the Regulation (EC) No 850/2004 and is available in the following Synthesis Reports:

[The first synthesis report for the period 2004-2006](#) [Annex I](#) [Annex II](#)

[The second synthesis report for the period 2007-2009](#)

[Summary of the third synthesis report for the period 2010-2012](#) [Part I](#) [Part II](#)

## **Section 1. Control of manufacturing, placing on the market and use of POPs**

In accordance with Article 3 of the POPs Regulation, the manufacturing, placing on the market and use of substances listed in Annex I to the POPs Regulation is prohibited, while substances listed in Annex II are subject to restriction. Currently no substances are listed in Annex II.

Specific exemptions to the prohibition on manufacturing, placing on the market and use for certain substances are specified in the relevant entries of Annex I. In addition, as specified in Article 4(1), the manufacturing, placing on the market and use of substances listed in Annex I and II and use is permitted: (a) for use for laboratory-scale research or as a reference standard; (b) when the substance is present as an unintentional trace contaminant, as specified in the relevant entries of Annex I or II, in substances, mixtures or articles.

In accordance with Article 4(2), for a substance added to Annex I or II after 15 July 2019, Article 3 shall not apply for a six-month period if that substance is present in articles produced before or on the date that this Regulation becomes applicable to that substance. Article 3 shall not apply in the case of a substance being present in articles already in use before or on the date that this Regulation or Regulation (EC) No 850/2004 on persistent organic pollutants became applicable to that substance, whichever date came first.

**Table 1. List of substances included in Annex I to the POPs Regulation.**

<b>Substance/group of substances (<a href="#">Link to substance infocard page</a>)</b>	<b>Uses</b>	<b>Specific exemptions for the manufacturing, placing on the market and use</b>
<a href="#">Aldrin</a>	Pesticide	No
<a href="#">Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)</a>	Industrial chemical	No
<a href="#">Bis(pentabromophenyl) ether (decabromodiphenyl ether; decaBDE)</a>	Industrial chemical	Yes. See Annex I to the POPs Regulation
<a href="#">Chlordane</a>	Pesticide	No
<a href="#">Chlordecone</a>	Pesticide	No
<a href="#">DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)</a>	Pesticide	No
<a href="#">Dicofol</a>	Pesticide	No
<a href="#">Dieldrin</a>	Pesticide	No
<a href="#">Endosulfan and its isomers</a>	Pesticide	No
<a href="#">Endrin</a>	Pesticide	No
<a href="#">Heptabromodiphenyl ether</a>	Industrial chemical	Yes. See Annex I to the POPs Regulation
<a href="#">Heptachlor</a>	Pesticide	No
<a href="#">Hexabromo-1,1'-biphenyl</a>	Industrial chemical	No
<a href="#">Hexabromocyclododecane (HBCDD)</a>	Industrial chemical	No
<a href="#">Hexabromodiphenyl ether</a>	Industrial chemical	Yes. See Annex I to the POPs Regulation
<a href="#">Hexachlorobenzene</a>	Industrial chemical and pesticide	No

Substance/group of substances (Link to substance infocard page)	Uses	Specific exemptions for the manufacturing, placing on the market and use
Hexachlorobuta-1,3-diene	Industrial chemical and pesticide	No
Hexachlorocyclohexanes, including lindane	Pesticide	No
Mirex	Pesticide	No
Pentabromodiphenyl ether	Industrial chemical	Yes. See Annex I to the POPs Regulation
Pentachlorobenzene	Industrial chemical and pesticide	No
Pentachlorophenol and its salts and esters	Pesticide	No
Perfluorooctane sulfonic acid and its derivatives (PFOS) C <sub>8</sub> F <sub>17</sub> SO <sub>2</sub> X, (X = OH, Metal salt (O-M <sup>+</sup> ), halide, amide, and other derivatives including polymers)	Industrial chemical and pesticide	Yes. See Annex I to the POPs Regulation
Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	Industrial chemical	Yes. See Annex I to the POPs Regulation
Polychlorinated biphenyls (PCB)	Industrial chemical	No
Polychlorinated naphthalenes	Industrial chemical	No
Tetrabromodiphenyl ether	Industrial chemical	Yes. See Annex I to the POPs Regulation
Toxaphene	Industrial chemical	No

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## Section 1.1. Manufacturing and placing on the market of substances listed in Annex I and II of POPs Regulation

The table below contains information provided by France concerning the production, import and/or placing on the market of substances listed in Annex I or II to the POPs Regulation in France.

**Table 2. Data on the production, import and/or placing on the market in France of substances listed in Annex I or II to the POPs Regulation.**

Substance name or group of substances	Substance name (when part of a group)	EC number	CAS number	Year	Quantities (tonnes)		Additional information
					Manufactured	Imported	
Dieldrin		200-484-5	60-57-1	2020		0.000050	For laboratory use
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Perfluorooctyl iodide	208-079-5	507-63-1	2019		<1	for pharmaceutical products
				2020		<1	for pharmaceutical products

## **Section 1.2 Quantities manufactured and placed on the market per specific use**

No further information on the uses of the substances manufactured and/or placed on the market in France. The provision of this information in the national report is considered as optional.

## **Section 2. Stockpiles notified in accordance with Article 5(2)**

In accordance with Article 5(2) of Regulation (EU) No 2019/1021, the holder of a stockpile greater than 50 kg, consisting of or containing any substance listed in Annex I or II, and the use of which is permitted shall provide the competent authority of the Member State in which the stockpile is established with information concerning the nature and size of that stockpile. Such information shall be provided within 12 months of the date that this Regulation or Regulation (EC) No 850/2004 became applicable to that substance, whichever date came first for the holder, and of relevant amendments to Annex I or II and annually thereafter until the deadline specified in Annex I or II for the restricted use.

The POPs Regulation defines 'Stockpile' as substances, mixtures or articles accumulated by the holder that consist of or contain any substance listed in Annex I or II.

The competent authority(ies) from France have not received any notifications of stockpiles in accordance with Article 5(2) of Regulation (EC) No 850/2004.

### **Section 3. Releases to the environment of unintentionally produced POPs**

In line with the Protocol and the Convention, releases of POPs which are unintentional by-products of industrial and other anthropogenic thermal processes (e.g. residential combustion) should be identified and reduced as soon as possible, with the ultimate aim of eliminating the emissions, where feasible.

As set out in Article 6 of the POPs Regulation, the Member States draw up and maintain inventories for the substances listed in Annex III (see below) released into air, water and land, in accordance with their obligations under the Convention and the Protocol. Member States report on their action plans for reducing emissions of unintentionally formed POPs in their national implementation plans (see section 8).

#### **ANNEX III - List of substances subject to release reduction provisions**

Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)  
Polychlorinated biphenyls (PCB)  
Hexachlorobenzene (HCB) (CAS No 118-74-1)  
Polycyclic aromatic hydrocarbons (PAHs)  
Pentachlorobenzene (CAS No 608-93-5)  
Hexachlorobutadiene (CAS No 87-68-3)  
Polychlorinated naphthalenes (CAS No 70776-03-3 and others)

The reporting obligations for releases of unintentionally produced POPs is, in addition to the POPs Regulation, governed by other international, EU and national policy frameworks. Consequently, Member States and the industry sector report data on releases to various institutions, and the data is published in different databases and websites.

In the sections below, it is described which releases are reported where, and by whom and links are provided to the relevant data and reports.

The information on releases provided by the Member States to ECHA, and included in their national reports, does not include inventories which are reported in accordance with the Protocol and/or the European Pollutant Release and Transfer Register (E-PRTR) in publicly available databases (see below for more detail).

#### **Estimates on releases to air reported by France under the Protocol.**

The European Union and its Member States report estimates of PCDD/PCDF, PCB, HCB and PAHs released to air to the European Environmental Agency (EEA) and the European Monitoring and Evaluation Programme - Centre on Emission Inventories and Projection (EMEP-CEIP) in accordance with the obligations under the Protocol.

Emission time trends in Europe of HCB, PCB, PCDD/PCDF and PAHs to air can be found as interactive graphs and tables in the EEA webpage below:

<https://www.eea.europa.eu/data-and-maps/indicators/eea32-persistent-organic-pollutant-pop-emissions-1/assessment-10>

“Persistent organic pollutants emissions in Europe” is an EEA indicator. The EEA publishes information about emission reduction of POPs to air in the EU, as well as in individual Member States, which can be accessed here:

<http://www.eea.europa.eu/ims/persistent-organic-pollutant-emissions-in-europe>

Emission data for France displayed as a time trend for the substances below can also be found from the respective links to the EMEP-CEIP Data viewer.

[PCCD/PCDF](#)   [PAHs](#)   [PCBs](#)   [HCB](#)

Additional reports, as well as information on the review process of emission inventories under LRTAP Convention can be found in the CEIP webpage (<https://www.ceip.at/>).



The annual emission data reported by the Member States and the EU under the Protocol (Inventory files NFR), as well as the informative inventory reports (IIRs) can be downloaded from the EMEP-CEIP webpage (see annual submissions at the top of the page to view the overview table). The IIRs provide detailed information about the reported data, including explanations of pollutant trends and key sources of emission. In addition to POPs, emission data on other air pollutants covered by the different Protocols to the CLRTAP, such as heavy metals, nitrogen oxides and sulphur oxides, are also reported

<https://www.ceip.at/status-of-reporting-and-review-results>

The database (mdb file) of annual emission data for the EU Member States can also be downloaded from the EEA webpage:

<https://www.eea.europa.eu/data-and-maps/data/national-emissions-reported-to-the-convention-on-long-range-transboundary-air-pollution-lrtap-convention-15>

The EMEP/EEA air pollutant emission inventory guidebook provides guidance on estimating emissions of POPs and other air pollutants from both anthropogenic and natural emission sources and is designed to facilitate reporting of comparable and consistent air pollutant emissions inventory data.

<https://www.eea.europa.eu/publications/emep-eea-guidebook-2019>

### **Estimates on releases to air reported by France under the Convention**

The Member States report data on unintentional releases to air water and land to the Convention. In order to assist the preparation of the inventories on releases, the Convention has developed The Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional POPs. The data on emissions reported to the Convention can be accessed through the Convention Reporting Dashboard and the national report database.

[http://ers.pops.int/eRSodataReports2/ReportSC\\_DashBoard.html](http://ers.pops.int/eRSodataReports2/ReportSC_DashBoard.html)

<http://chm.pops.int/Countries/Reporting/NationalReports/tabid/3668/Default.aspx>

### **Additional information on emissions of POPs reported by industrial facilities under the E-PRTR**

The Regulation (EC) No 166/2006 on the establishment of a European Pollutant Release and Transfer Register (the E-PRTR Regulation) has established a publicly accessible electronic database containing key environmental data from industrial facilities in Europe. The European Industrial Emissions Portal provides easily accessible data on emissions reported under the E-PRTR. The portal replaced the E-PRTR website in June 2021.

<https://industry.eea.europa.eu/>

All Annex III POPs are covered by the E-PRTR, for a list of pollutants with their description, characteristics and reporting thresholds visit the Pollutants page of the European Industrial Emissions Portal. The legal reporting requirements are defined in the Regulation (EC) No 166/2006 of the European Parliament and of the Council of 18 January 2006 concerning the establishment of a European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC.

### **Additional data on on emissions of POPs:**

Additional data on releases to air, land and water of Annex III substances, not covered by the Protocol or the E-PRTR, as reported by France is available in the Appendix B.

## **Section 4. Monitoring data on POPs available in IPCHEM**

The table below provides information of monitoring programmes on POPs in France that are currently available in IPCHEM.

<https://ipchem.jrc.ec.europa.eu>

**Table 3. information of monitoring programmes on POPs, as reported by France, which are currently available in IPCHEM.**

<b>Data provider</b>	<b>Data collection name</b>	<b>Substance(s) covered by the monitoring programme</b>
Agency for Biodiversity (AFB)	NAIADES	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); All
Institut national de la santé et de la recherche médicale	ELFE	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Santé publique France	ENNS	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); Hexachlorobenzene, Alpha-Hexachlorocyclohexane
	Esteban	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); HCH, PFOA, PFOS, HBCD, BDE

## **Section 5. Art. 7(4)(b)(iv) notifications on the derogation for waste treatment**

In accordance with Article 7(2) of the POPs Regulation, notwithstanding Council Directive 96/59/EC on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT), waste consisting of, containing or contaminated by any substance listed in Annex IV to the POPs Regulation shall be disposed of or recovered, without undue delay and in accordance with Part 1 of Annex V to the POPs Regulation, in such a way as to ensure that the POP content is destroyed or irreversibly transformed so that the remaining waste and releases do not exhibit the characteristics of POPs.

As specified in Article 7(4), by way of derogation from the second paragraph of Article 7, a Member State or the competent authority designated by that Member State may, in exceptional cases, allow wastes listed in Part 2 of Annex V containing or contaminated by a substance listed in Annex IV up to concentration limits specified in Part 2 of Annex V to be otherwise dealt with in accordance with a method listed in Part 2 of Annex V, provided that the following conditions are fulfilled.

- (i) the holder concerned has demonstrated to the satisfaction of the competent authority of the Member State concerned that decontamination of the waste in relation to substances listed in Annex IV was not feasible, and that destruction or irreversible transformation of the POP content, performed in accordance with best environmental practice or best available techniques, does not represent the environmentally preferable option and the competent authority has subsequently authorised the alternative operation;
- (ii) the holder concerned has provided information on the POP content of the waste to the competent authority;
- (iii) the operation is in accordance with relevant Union legislation and with the conditions laid down in relevant additional measures referred to in paragraph 5;
- (iv) the Member State concerned has informed the other Member States, the Agency and the Commission of its authorisation and the justification for it.

No authorisation for the derogation on the treatment of waste in accordance for the Article 7(4)(b)(i) have been granted by France.

## **Section 6. Enforcement - controls, infringements and enforcement measures**

In order to ensure transparency, impartiality and consistency at the level of enforcement activities, Member States should lay down rules on penalties applicable to infringements of the POPs Regulation and ensure that they are implemented. Those penalties should be effective, proportionate and dissuasive, since non-compliance can result in damage to human health and to the environment.

The Member States are responsible for the enforcement of the POPs Regulation. In this section, the number of official controls carried out by France in which the POPs regulation was covered, the number of cases of non compliance and enforcement measures are presented. The information on numbers of controls was reported by the Member States in their reports submitted under Art 13(1) of the POPs Regulation. The template for reporting the information on controls was agreed with the Forum for Exchange of Information on Enforcement.

Controls are understood as inspections or investigations or monitoring, or other enforcement measures carried out by enforcement authorities. Therefore, the number of controls takes into account the total number of enforcement related activities carried out by France. Controls can relate to products (substances, articles, mixtures) in case of controlling some requirements (for instance restrictions on the manufacturing, placing on the market and use) and to duty holders in case of controlling other requirements (e.g. stockpiles).

**Table 3. Number of official controls carried out by France in which the POPs regulation was covered and the number cases of non-compliance.**

Year	Total number of controls in which the POPs Regulation was covered and/or enforced	Number of official controls which addressed the following requirements:			Number of cases of non-compliance found for each of the following requirements (out of the total number of controls which addressed each requirement)		
		Manufacturing, placing on the market and use (Art. 3)	Stockpiles (Art. 5)	Waste management (Art. 7)	Manufacturing, placing on the market and use (Art. 3)	Stockpiles (Art. 5)	Waste management (Art. 7)
2019	432						
2020	247						

Note: The summed number of controls addressing the specific duties listed on the table does not have to equal the total number of controls for that year as there may also be controls of other duties under the POPs Regulation and overlap of provisions controlled within one interaction (inspection, desktop assessment etc.).

Data from the controls from the year preceding the publication of the report might be updated as new information becomes available to France.

**Table 4. Number of official controls in France which resulted in no measures or enforcement actions.**

Year	No measures	Verbal advice	Written advice	Public announcement	Admin. measures /orders	Withdrawal/recall of products from the market, confiscation or seizure, ban of sale/use, destruction of non-compliant products or waste	Fines	Suspension or revocation of business license	Imprisonment	Other legal enforcement action
2019			432	3	49					
2020			247	1	28		1			

Data from the controls in the year preceding the publication of the report might be updated as new information becomes available to the Member States.

## **Section 7. Sites contaminated with POPs**

The Member States can optionally include in this section information concerning sites contaminated with POPs located in their country. France has taken measures to identify sites contaminated by POPs. Information on the identified contaminated sites is included in table 4.

## **Section 8. National implementation plans**

The national implementation plan (NIP) and its subsequent updates are prepared by the EU and its Member States in accordance with its obligations under the Stockholm Convention. The NIPs are publicly available in the Convention webpage:

<http://chm.pops.int/Implementation/NationalImplementationPlans/NIPTransmission/tabid/253/Default.aspx>

**Table 5. Status of the initial NIP from France and its subsequent updates.**

	<b>Status</b>	<b>Mechanisms for public participation during the development of the NIP</b>
Initial NIP	Transmitted to the SC	
Update addressing COP 4 amendments	Transmitted to the SC	
Update addressing COP 5 amendments	Transmitted to the SC	
Update addressing COP 6 amendments	Under development	
Update addressing COP 7 amendments	Under development	
Update addressing COP 8 amendments	Under development	

## **Section 9. Provision of technical and financial assistance**

In accordance with Articles 12 and 13 of the Convention, the Commission and the Member States shall cooperate in providing appropriate and timely technical and financial assistance to developing countries and countries with economies in transition to assist them, upon request and within available resources and taking into account their particular needs, to develop and strengthen their capacity to fully implement their obligations under the Convention. Such support may also be channeled through Regional Centres, as identified under the Convention, non-governmental organisations or the European Chemicals Agency.

The task of regional and subregional centres (SCRCs) established by the Stockholm Convention is to provide technical assistance and to promote the transfer of technology to developing country Parties and Parties with economies in transition relating to the implementation of their obligations under the Convention. Information on their work plans and activity reports is available in the Convention website.

<http://chm.pops.int/Partners/RegionalCentres/Overview/tabid/425/Default.aspx>

Additional financial/technical assistance to third countries is also provided through multilateral channels such as the Global Environmental Facility (GEF), the Stockholm Convention Trust funds, Strategic Approach to International Chemicals Management (SAICM) Quick Start Programme, or the UN Special Programme. The financial contribution of the MS to the different instruments, as well as information about the projects founded is publicly available on the following websites:

- The GEF Projects database. Focal area: Chemicals and Waste. The GEF provides funding to assist developing countries in meeting the objectives of international environmental conventions. The GEF serves as a "financial mechanism" to the Stockholm Convention on Persistent Organic Pollutants (POPs).

[https://www.thegef.org/projects-operations/database?f%5B0%5D=focal\\_areas%3A2206](https://www.thegef.org/projects-operations/database?f%5B0%5D=focal_areas%3A2206)

- The SAICM Quick Start Programme Projects:

<http://www.saicm.org/QuickStartProgramme/Projects/tabid/5470/language/en-US/Default.aspx>

- The UN Special (chemical and waste) programme projects database:

<https://www.unenvironment.org/explore-topics/chemicals-waste/what-we-do/special-programme/special-programme-projects-database>



The Member States can optionally include in this section further information on the provision of financial and technical assistance to third countries.

**Table 6. Information on the technical and/or financial assistance provided by France.**

Type of assistance	Description of the assistance	Recipient country(ies) or regions	Period
Bilateral assistance	The project WEEECAM: building a pioneering treatment system for electrical and electronic waste in Africa, is cofinanced by the French Facility for Global Environment (FFEM), a financing instrument that was established in 1994 by the French government after the first Earth Summit to support innovative projects generating environmental, social and economic benefits for local populations. These projects help preserve biodiversity, climate, international waters, land and the ozone layer while combating pollution.	Cameroon	2019 -

## **Section 10. Information exchange measures and awareness programmes**

In accordance with Article 11(2) of the POPs Regulation, the Commission, the European Chemicals Agency and the Member States, as appropriate, shall promote and facilitate with regard to POPs:

- (a) awareness programmes, including relating to their health and environmental effects and their alternatives and on the reduction or elimination of their manufacture, use and release, especially for:
  - (i) policy- and decision-makers;
  - (ii) particularly vulnerable groups;
- (b) the provision of public information;
- (c) training, including workers, scientists, educators and technical and managerial personnel.

The Member States can optionally report on their information exchange activities under this section.

**Table 7. Information exchange activities carried out by France.**

General description of the measure	Type of measure	Webpage (copy the URLs in your browser)	Period
4th national plan to fight against pollution by chlordecone	Awareness programme, and The provision of public information, and Training of workers, scientists, educators and technical and managerial personnel with regard to persistent organic pollutants	<a href="https://solidarites-sante.gouv.fr/IMG/pdf/plan_chlordecone_iv_fevrier_2021-2.pdf">https://solidarites-sante.gouv.fr/IMG/pdf/plan_chlordecone_iv_fevrier_2021-2.pdf</a>	2008 -

**Table 7. Information exchange activities carried out by France.**

General description of the measure	Type of measure	Webpage (copy the URLs in your browser)	Period
National helpdesk on POP	Awareness programme, and The provision of public information, and Training of workers, scientists, educators and technical and managerial personnel with regard to persistent organic pollutants	<a href="https://pop-info.ineris.fr/">https://pop-info.ineris.fr/</a>	
National phase-out plan for PCB transformers	Awareness programme, and The provision of public information, and Training of workers, scientists, educators and technical and managerial personnel with regard to persistent organic pollutants	<a href="https://www.ecologie.gouv.fr/sites/default/files/Plan_micropolluants_def_light.pdf">https://www.ecologie.gouv.fr/sites/default/files/Plan_micropolluants_def_light.pdf</a>	2001 -
Publication of a database on polluted sites and soils - BASOL	Awareness programme, and The provision of public information, and Training of workers, scientists, educators and technical and managerial personnel with regard to persistent organic pollutants	<a href="https://www.georisques.gouv.fr/risques/pollutions-sols-sis-anciens-sites-industriels">https://www.georisques.gouv.fr/risques/pollutions-sols-sis-anciens-sites-industriels</a>	

**Table 7. Information exchange activities carried out by France.**

General description of the measure	Type of measure	Webpage (copy the URLs in your browser)	Period
Publication of lindane soil contamination maps	The provision of public information, and Training of workers, scientists, educators and technical and managerial personnel with regard to persistent organic pollutants	<a href="https://ree.developpement-durable.gouv.fr/themes/risques-nuisances-pollutions/pollution-des-sols/contamination-des-sols/article/la-contamination-des-sols-par-les-pesticides">https://ree.developpement-durable.gouv.fr/themes/risques-nuisances-pollutions/pollution-des-sols/contamination-des-sols/article/la-contamination-des-sols-par-les-pesticides</a>	
Publication of soil contamination maps with chlordecone	Awareness programme, and The provision of public information, and Training of workers, scientists, educators and technical and managerial personnel with regard to persistent organic pollutants	<a href="https://ree.developpement-durable.gouv.fr/themes/risques-nuisances-pollutions/pollution-des-sols/contamination-des-sols/article/la-contamination-des-sols-par-les-pesticides">https://ree.developpement-durable.gouv.fr/themes/risques-nuisances-pollutions/pollution-des-sols/contamination-des-sols/article/la-contamination-des-sols-par-les-pesticides</a>	
Public information on POP	Awareness programme, and The provision of public information	<a href="https://www.ecologie.gouv.fr/polluants-organiques-persistants-pop">https://www.ecologie.gouv.fr/polluants-organiques-persistants-pop</a>	

### **Appendix A. Stockpile notifications**

The competent authority(ies) from France have not received any notifications of stockpiles in accordance with Article 5(2) of Regulation (EC) No 850/2004.

## Appendix B. Releases to the environment of unintentionally produced POPs - additional data

Additional data on releases to air, land and water of Annex III substances.

**Table 8. Additional data on unintentional releases of POPs to the environment.**

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
1990	Hexachlorobutadiene	air	1,197	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1990	Polychlorinated Biphenyls (PCB)	land	178	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1990	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,797	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1990	Polycyclic aromatic hydrocarbons (PAHs)	land	45	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1991	Hexachlorobutadiene	air	1,219	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1991	Polychlorinated Biphenyls (PCB)	land	175	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1991	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,847	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1991	Polycyclic aromatic hydrocarbons (PAHs)	land	53	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1992	Hexachlorobutadiene	air	1,245	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
1992	Polychlorinated Biphenyls (PCB)	land	164	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1992	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,876	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1992	Polycyclic aromatic hydrocarbons (PAHs)	land	52	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1993	Hexachlorobutadiene	air	629	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1993	Polychlorinated Biphenyls (PCB)	land	176	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1993	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,933	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1993	Polycyclic aromatic hydrocarbons (PAHs)	land	50	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1994	Hexachlorobutadiene	air	74	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1994	Polychlorinated Biphenyls (PCB)	land	142	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1994	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,936	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1994	Polycyclic aromatic hydrocarbons (PAHs)	land	44	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
1995	Hexachlorobutadiene	air	71	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1995	Polychlorinated Biphenyls (PCB)	land	152	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1995	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,738	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1995	Polycyclic aromatic hydrocarbons (PAHs)	land	44	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1996	Hexachlorobutadiene	air	72	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1996	Polychlorinated Biphenyls (PCB)	land	147	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1996	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,523	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1996	Polycyclic aromatic hydrocarbons (PAHs)	land	47	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1997	Hexachlorobutadiene	air	64	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1997	Polychlorinated Biphenyls (PCB)	land	128	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1997	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,093	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA



Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
1997	Polycyclic aromatic hydrocarbons (PAHs)	land	42	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1998	Hexachlorobutadiene	air	57	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1998	Polychlorinated Biphenyls (PCB)	land	126	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1998	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	993	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1998	Polycyclic aromatic hydrocarbons (PAHs)	land	42	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1999	Hexachlorobutadiene	air	50	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1999	Polychlorinated Biphenyls (PCB)	land	112	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1999	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	667	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
1999	Polycyclic aromatic hydrocarbons (PAHs)	land	40	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2000	Hexachlorobutadiene	air	45	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2000	Polychlorinated Biphenyls (PCB)	land	98	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2000	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	575	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2000	Polycyclic aromatic hydrocarbons (PAHs)	land	38	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2001	Hexachlorobutadiene	air	36	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2001	Polychlorinated Biphenyls (PCB)	land	90	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2001	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	445	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2001	Polycyclic aromatic hydrocarbons (PAHs)	land	37	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2002	Hexachlorobutadiene	air	28	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2002	Polychlorinated Biphenyls (PCB)	land	67	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2002	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	417	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2002	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2003	Hexachlorobutadiene	air	22	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2003	Hexachlorobutadiene	water	18	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2003	Polychlorinated Biphenyls (PCB)	land	67	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2003	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	298	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2003	Polycyclic aromatic hydrocarbons (PAHs)	land	36	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2004	Hexachlorobutadiene	air	17	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2004	Hexachlorobutadiene	water	38	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2004	Polychlorinated Biphenyls (PCB)	land	69	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2004	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	379	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2004	Polycyclic aromatic hydrocarbons (PAHs)	land	36	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2005	Hexachlorobutadiene	air	12	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2005	Hexachlorobutadiene	water	20	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2005	Polychlorinated Biphenyls (PCB)	land	69	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2005	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	260	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2005	Polycyclic aromatic hydrocarbons (PAHs)	land	34	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2006	Hexachlorobutadiene	air	7	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2006	Hexachlorobutadiene	water	9	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2006	Polychlorinated Biphenyls (PCB)	land	64	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2006	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	186	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2006	Polycyclic aromatic hydrocarbons (PAHs)	land	32	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2007	Hexachlorobutadiene	air	7	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2007	Hexachlorobutadiene	water	42	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2007	Polychlorinated Biphenyls (PCB)	land	60	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2007	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	184	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2007	Polycyclic aromatic hydrocarbons (PAHs)	land	31	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2008	Hexachlorobutadiene	air	19	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2008	Hexachlorobutadiene	water	340	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2008	Polychlorinated Biphenyls (PCB)	land	59	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2008	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	172	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2008	Polycyclic aromatic hydrocarbons (PAHs)	land	33	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2009	Hexachlorobutadiene	air	19	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2009	Hexachlorobutadiene	water	45	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2009	Polychlorinated Biphenyls (PCB)	land	53	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2009	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	156	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2009	Polycyclic aromatic hydrocarbons (PAHs)	land	33	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2010	Hexachlorobutadiene	air	21	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2010	Hexachlorobutadiene	water	88	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2010	Polychlorinated Biphenyls (PCB)	land	54	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2010	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	170	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2010	Polycyclic aromatic hydrocarbons (PAHs)	land	36	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2011	Hexachlorobutadiene	air	20	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2011	Hexachlorobutadiene	water	166	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2011	Polychlorinated Biphenyls (PCB)	land	46	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2011	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	159	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2011	Polycyclic aromatic hydrocarbons (PAHs)	land	31	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2012	Hexachlorobutadiene	air	20	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2012	Hexachlorobutadiene	water	165	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2012	Polychlorinated Biphenyls (PCB)	land	50	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2012	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	149	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2012	Polycyclic aromatic hydrocarbons (PAHs)	land	34	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2013	Hexachlorobutadiene	air	21	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2013	Hexachlorobutadiene	water	145	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2013	Polychlorinated Biphenyls (PCB)	land	50	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2013	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	155	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2013	Polycyclic aromatic hydrocarbons (PAHs)	land	37	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2014	Hexachlorobutadiene	air	23	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2014	Hexachlorobutadiene	water	177	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2014	Polychlorinated Biphenyls (PCB)	land	42	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2014	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	146	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2014	Polycyclic aromatic hydrocarbons (PAHs)	land	32	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2015	Hexachlorobutadiene	air	25	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2015	Hexachlorobutadiene	water	158	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2015	Polychlorinated Biphenyls (PCB)	land	41	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2015	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	146	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2015	Polycyclic aromatic hydrocarbons (PAHs)	land	33	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2016	Hexachlorobutadiene	air	26	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2016	Hexachlorobutadiene	water	177	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law



Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2016	Polychlorinated Biphenyls (PCB)	land	41	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2016	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	135	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2016	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2017	Hexachlorobutadiene	air	28	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2017	Hexachlorobutadiene	water	119	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2017	Polychlorinated Biphenyls (PCB)	land	42	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2017	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	132	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2017	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2018	Hexachlorobutadiene	air	29	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2018	Hexachlorobutadiene	water	159	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2018	Polychlorinated Biphenyls (PCB)	land	38	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
2018	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	128	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2018	Polycyclic aromatic hydrocarbons (PAHs)	land	34	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2019	Hexachlorobutadiene	air	30	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2019	Hexachlorobutadiene	water	192	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
2019	Polychlorinated Biphenyls (PCB)	land	33	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2019	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	124	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2019	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2020	Hexachlorobutadiene	air	28	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2020	Polychlorinated Biphenyls (PCB)	land	30	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2020	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	118	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
2020	Polycyclic aromatic hydrocarbons (PAHs)	land	32	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

### **Appendix C. Art. 7(4)(b)(iv) notifications**

No authorisation for the derogation on the treatment of waste in accordance for the Article 7(4)(b)(i) have been granted by France.