

**Regional Plan on the reduction of inputs of Mercury in the framework of the
implementation of Article 15 of the LBS Protocol**

Reporting obligations and requirements

Geographical scope: LBS Protocol Area (Art 4)

	Mesure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators	National Implementation reports
1	Prohibit new chlor-alkali plants with Hg cells	No new plants	Immediate effect upon entry into force in Oct 2012	On biannual basis	-National Legal/regulatory acts in force or under preparation; -Enforcement actions	2013 and 2015
2	Prohibit vinyl chloride monomer plant installation using Hg as catalyst	No new plants	Immediate effect upon entry into force in Oct 2012		-Other Measures taken, -Difficulties encountered -Effectiveness indicators	
3	Cease Hg releases from chlor alkali plants	No Hg releases from chlor- alkali plants	By 2020 at the latest		-National Legal/regulatory acts issued or under preparation -Action plans/roadmap for its implementation	
4	Achieve environmental sound management of mercury and mercury wastes from decommissioned plants	No quantified target	On plant decommission		-Monitoring data in the framework of Medpol hot spot monitoring programme; -Inventories of releases in the framework of NBB/PRTR	
	Progressively reduce total Hg releases to air, water and products until their final cessation	<1,0 g per metric tone in each plant Air emission <0,9 g per metric tone in each plant (of installed capacity of the decommissioned Chlor alkali plants)	By 2015 (as the plants should be closed in 2020 at the latest)		-Legal/regulatory acts issued or under preparation -Technical measures: BAT and BEP put in place - Implementation Action plans/roadmap 2015 -Monitoring data in the framework of Medpol monitoring programme; -Inventories of releases in the framework of NBB/PRTR	
5	Prohibit Re-entry of Hg (into the national market or exported) from decommissioned plants	No mercury available in the national market or exported from decommissioned plants	Immediate effect upon entry into force in Oct 2012	National Legal/regulatory acts issued or under preparation; Decommissioning plan Destination of the decommissioned Hg Quantities and Disposal measures detailed	2013	

	Mesure(s)/obligations	Targets to be achieved		Implementation timetable	Reporting requirements frequency	Suggested reporting elements and indicators	National Implementation reports
6	a) Use of mercury catalysts in the manufacture of polyurethane elastomers	50 micrograms/liter	5 ¹	By 2015	On biannual basis	<p>Legal/regulatory acts issued or under preparation to ensure compliance with the 2015 target</p> <p>Inventory, location and capacity of the plants per country</p> <p>Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the 2015 target as appropriate</p> <p>Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target</p>	2013 and 2015
7	b) Acetaldehyde production with mercury-sulphate (HgSO ₄) as catalyst						
8	c) Vinyl acetate production with Hg catalysts						
9	d) Production of the cube (1-amino anthrachion) colours/pigments with Hg catalyst						
10	e) Use of mercury intermediates for production of other mercury compounds						
11	f) Use of mercury intermediates in the pharmaceutical / chemical industry						
12	g) Manufacture of mercury catalysts						
13	h) Manufacture of organic and non-organic mercury compounds						

¹ By 2019 as target value (to be revised in 2015)

	Mesure(s)/obligations	Targets to be achieved		Implementation timetable	Reporting requirement frequency	Suggested reporting elements	Implementation reports
To set National ELV in the Battery Industries							
14	Manufacture of batteries containing mercury	50 micrograms/l	5 ¹	By 2015		National Legal/regulatory acts issued or under preparation to ensure compliance with the 2015 target Inventory, location and capacity of the plants per country Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the 2015 target as appropriate Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target	2013 and 2015
To set National ELV in the Non Ferrous industry							
15	a-Mercury recovery plants b-Extraction and refining of non-ferrous metals	50 micrograms/l	5 ¹	By 2015	On biannual basis	National Legal/regulatory acts issued or under preparation to ensure compliance with 2015 target Inventory, location and capacity of the plants per country Technical measures: BAT and BEP put in place or envisaged to ensure compliance with 2015 target as appropriate Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target	2013 and 2015

¹ By 2019 as target value (to be revised in 2015)

	Mesure(s)/obligations	Targets to be achieved		Implementation timetable	Reporting requirement frequency	Suggested reporting elements	Implementation reports
To set National ELV for the Waste treatment							
16	Plants for the treatment of wastes	50 micrograms/l	5 ¹	By 2015	On biannual basis	National Legal/regulatory acts issued or under preparation to ensure compliance with the 2015 target Inventory, location and capacity of the plants per country Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the 2015 target as appropriate Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target	2013 and 2015
To set National ELV for Incineration Plants							
17	Waste gas	0.05 mg/ Nm ³		By 2019 at the latest	na	National Legal/regulatory acts issued or under preparation to ensure compliance with the target Inventory, location and capacity of the plants per country Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the target as appropriate Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target	2013, 2015, 2017, 2019

	Mesure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirement frequency	Suggested reporting elements	Implementation reports
In Other sectors						
18	Take the appropriate measures to reduce the inputs of Mercury emissions and use alternatives as appropriate	Mercury substitution initiatives put in place. Mercury reduction attained	By 2019 at the latest	na	National Legal/regulatory acts issued or under preparation to ensure compliance with the target Inventory, location and capacity of t any plant generating mercury emissions or mercury containing waste or mercury in products - per country Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the target as appropriate Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target Hg reduction data	2013, 2015, 2017, 2019
In Mercury containing waste						
19	Take the appropriate measures to isolate and contain the mercury containing wastes to avoid potential contamination of air, soil or water	To identify and assure ESM of any waste containing mercury	By 2019 at the latest	On biannual basis	National Legal/regulatory acts issued or under preparation to ensure compliance with the target Inventory, location and capacity of the plants generating any waste with mercury content per country Technical measures: BAT and BEP put in place or envisaged to ensure compliance with the target as appropriate Any Action plans/roadmap or other tool to ensure as appropriate compliance with 2019 target	2013,2015,2017 and 2019

	Mesure(s)/obligations	Targets to be achieved	Implementation timetable	Reporting requirement frequency	Suggested reporting elements	Implementations reports
In Contaminated sites						
20	1. Identify existing sites contaminated with mercury including at least the old mines and decommissioned Chlor alkali plants, 2. Submit the inventory for submission to the Secretariat	List of sites -old mines -chlor alkali plants - other	January 2013	n/a	List of sites, locations, surface area decontaminated, level of pollution, Hg concentration in air, water and soil where appropriate	2013
21	Undertake environmentally sound management measures such as safety works, use restrictions or decontamination, as appropriate	ESM fully implemented	2015	biannual	Concrete measures envisaged for each site; type of technology used, level of expected decontamination, decontamination timeframe	2013.2015
New mines						
22	Prohibit new mines or re-opening of old mercury mining sites	No new or reopened old Hg mines in the Mediterranean	With immediate effect upon entry into force	NA	National Legal/regulatory acts issued or in process of preparation	2013
Monitoring and enforcement						
23	Ensure that competent authorities or appropriate bodies monitor releases of Mercury into water, air and soil to verify compliance with the requirements of the above table	National monitoring plan in place including Hg	With immediate effect upon entry into force	Annually and biannually	Monitoring data submitted to the Secretariat on annual basis Releases data in accordance with NBB/PRTR reporting cycle	2013, 2015, 2017, 2019
24	The Parties shall take the necessary steps to enforce the above measures	Enforcement measures in place, mercury releases reduced /phased out and eliminated	With immediate effect upon entry into force	On biannual basis	Enforcement measures such as inspectorate controls in accordance with LBS protocol effectiveness indicator	2013, 2015, 2017, 2019