

Releases of mercury and its compounds in the Republic of Croatia in the year 2010- data reported to the data bases Register of the environmental pollutants (according to the Ordinance on the Register of the environmental pollutants OG 35/08)

Recognizing the national needs to establish and implement the above mentioned data base Register of the environmental pollutants, we have accomplished the fulfillment of the international obligations of the Republic of Croatia in the field of releases and transfer of pollutants as it was stipulated in the Regulation 166/2006 on establishment of the European Pollutant Release and Transfer Register (Regulation EC 166/2006 of the European Parliament and of the Council concerning the establishment of a European Pollutant Release and Transfer Register). Consecutively through this Regulation it was ensured the implementation of the requirements of the UN/ECE Protocol to the Aarhus Convention on Pollutant Release and Transfer Registers).

Requirements of the UN/ECE Protocol have been transposed in the Croatian legislation in the Act on confirmation of the protocols on pollutant release and transfer registers that entered into force in 2009.

1) Releases of Mercury into the air

Threshold for the releases of mercury into the air stipulated in the Ordinance Annex 2 (List of pollutants“ Hg and its compounds“) is:

„ **1 kg/year** on particular location.

Additionally gathered data for year 2010:

Total releases of the mercury into the air in the year 2010 were **35,94 kg** (source: Report of the data from the Pollutant release and transfer Register of the Republic of Croatia, page 60. <http://www.azo.hr/lzvjescaROO01>).

2) Releases and transfer in water and sea

According to the above mentioned Ordinance, Annex 2, List of Pollutants, threshold for release of „Mercury and its compounds“ into the waters is NO.

It means that the thresholds are not determined and that any quantity of mercury and its compounds released in the waters have to be reported.

We are sending the data classified in two groups:

- a) Classified by water basins of the Republic of Croatia (there are four river basins according to the Water Act (OG 150/2005))

Table 3.2.3. from the report:

Table 3.2.3. Data on types and quantities (kg/year) of pollutant releases and transfer into the waters and/or in the sea reported from the river basins of the Republic of Croatia

Pollutant	Releases and transfer of pollutants into the water and/or sea (kg/year)									
	Form KI-V Waste waters from the public sewage					Form PI-V Waste waters from the liable party location				
	Water basin of the river Sava	Water basin of the rivers Drava and Danube	Water basin of rivers in Istria and Primorje	Water basin of rivers in Dalmatia	In total	Water basin of the river Sava	Water basin of the rivers Drava and Danube	Water basin of rivers in Istria and Primorje	Water basin of rivers in Dalmatia	In total
407 – Mercury and its compounds (Hg)			<0,01	0,07	0,07	0,23	2,07	0,03	<0,01	2,33

- b) Classified by different activities in Annex 1, Ordinance on Environmental Pollutant register (OG 35/08) (Source: Report on data from the Releases and Transfer Pollutant Register table 3.2.4., page 129.).

Table 3.2.4.

Table 3.2.4. Data on types and quantities (kg/year) of pollutant releases and transfer into the waters and/or sea from the reported sectors of activities in the Republic of Croatia

407 – Mercury and its compounds (as Hg)		Releases and transfer pollutant into the waters and/or sea (kg/year)									
		Sectors of activities according Annex 1 of the Ordinance on Release and Transfer Pollutant Register									In total
		01 00 00 Combustion in thermoenergetic facilities for energy production	02 00 00 Combustion in non industrial facilities	03 00 00 Fuels combustion from manufacturing processes	04 00 00 Manufacturing processes	05 00 00 Getting and distribution of fossil fuels for geothermal energy	06 00 00 Use of diluters and other products	08 00 00 Left for future use Health protection of humans and animals	09 00 00 Waste waters treatment and disposal	11 00 00 Other sources of releases	
2010.	Waste waters from public sewage								<0,01	0,07	0,07
	Waste waters from liable party location				0,04	1,62	0,49		0,19	<0,01	2,33

3. Releases into the soil

According to the Ordinance, Annex 2 (List of pollutants) the threshold for „Mercury and its compounds (as Hg)“ (code 407) release into the soil is **1 kg/ year** on the particular location.

There was no mercury and its compound releases in 2010 reported into the soil in the Republic of Croatia.