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RE: Chlor-Alkali Partnership – Data 2006

September 18, 2007

Dear Brenda,

In response to the UNEP request regarding progress on Governing Council Decision related to mercury, please find attached the World Chlorine Council's report on 2006 mercury emissions and consumptions in the chlor-alkali industry located in Europe (EU + Norway + Switzerland) India, Russia, South America, USA and Canada. Data have been previously reported (January 12, 2007) for 2002, 2003, 2004 and 2005. These data cover to the best of our information about 85% of the world chlorine production capacity based on mercury.

The consolidated data show a clear trend of significant reduction of the total emissions and consumption within the global chlor-alkali over the period 2002-2006 (see attached charts). The total emissions in 2006 amounted to 11035kg compared to 13797 kg in 2005. The number of plants decreased further to 74 (compared to 78 in 2005).

We hope that these WCC data will be useful for the upcoming OEWG meeting scheduled for November 12-16, 2007.

WCC looks forward to working with governments and other stakeholders in continuing to implement the Partnership and thereby effectively contribute to international efforts to reduce the use and release of mercury.

Sincerely Yours,

Dr Arseen Seys
WCC Managing Director

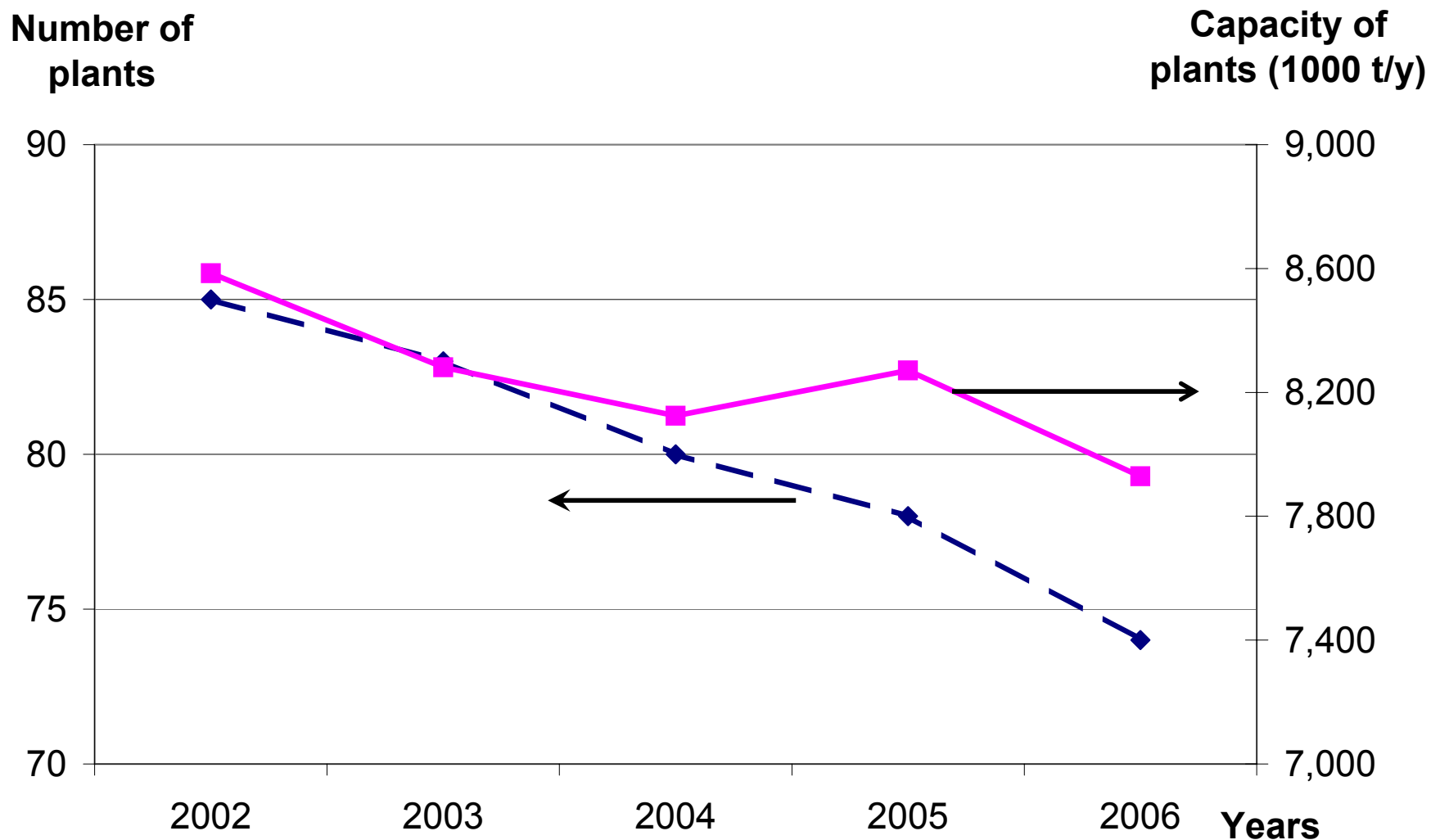
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WCC - Chlor-Alkali Industry

Number of plants and capacity of mercury electrolysis units
in USA/Canada, Europe, India and Brazil/Argentina
(+ 1 Uruguayan and 3 Russian plants from 2005 onwards)



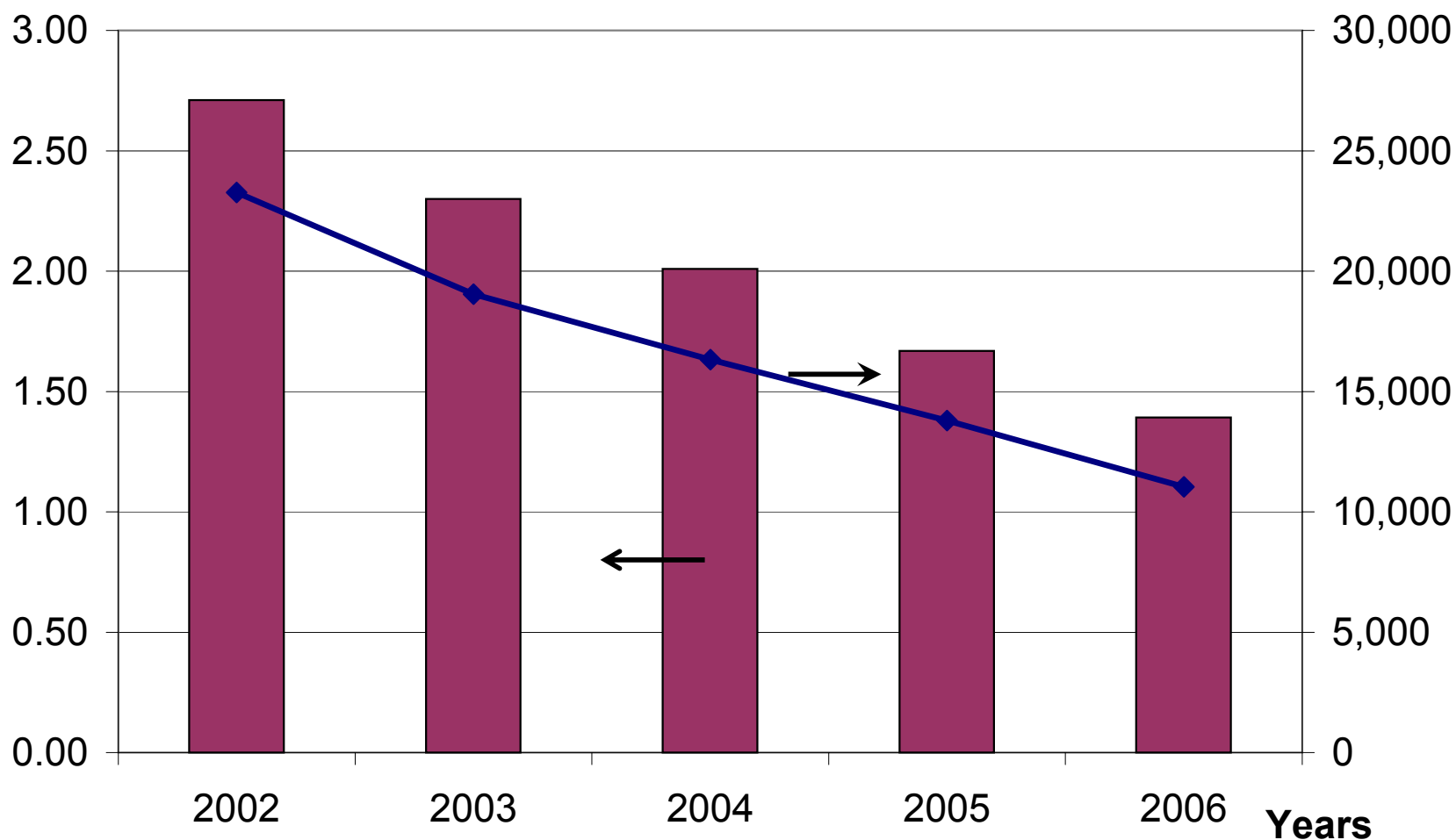
WCC - Chlor-Alkali Industry

Total mercury emissions (air + water + products)
for USA/Canada, Europe, India and Brazil/Argentina

(plus 1 Uruguayan and 3 Russian plants from 2005 onwards)

g Hg/t Cl_2
annual cap.

kg Hg/y



**Evolution for USA/Canada + Europe + India + Brazil/Argentina (and 1 plant in Uruguay from 2005 onward
plus 3 Russian plants from 2005 onwards**

Absolute values

Year	Hg plants	Capacity	Purchases /Sales	Consumption /Use	Emission to products	Emission to water	Emission to air	Total emissions	Solid waste
	Number	In 1000 t Cl ₂ /y	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y
2002	85	8,584	688	249,944	*(1)	821	*(1)	23,265	*(1)
2003	83	8,281	402,444	205,274	2,402	820	15,821	19,043	129,730
2004	80	8,124	263,511	159,806	1,448	657	14,217	16,321	69,601
2005	78	8,271	227,470	176,706	1,361	774	11,662	13,797	116,257
2006	74	7,929	70891	162049	1115	555	9365	11035	173,424

*(1) no data reported for the Indian plants

without Russian plants data

Relative values (/t chlorine capacity)

Year	Hg plants	Capacity	Purchases /Sales	Consumption /Use	Emission to products	Emission to water	Emission to air	Total emissions	Solid waste
	Number	In 1000 t Cl ₂ /y	g Hg /t Cl ₂	g Hg /t Cl ₂	g Hg /t Cl ₂	g Hg /t Cl ₂	g Hg /t Cl ₂	g Hg /t Cl ₂	g Hg /t Cl ₂
2002	85	8,584	0.08	29.12	*(1)	0.10	*(1)	2.71	*(1)
2003	83	8,281	48.60	24.79	0.29	0.10	1.91	2.30	15.67
2004	80	8,124	32.44	19.67	0.18	0.08	1.75	2.01	8.57
2005	78	8,271	27.50	21.36	0.16	0.09	1.41	1.67	14.06
2006	74	7,929	8.94	20.44	0.14	0.07	1.18	1.39	21.87

*(1) no data reported for the Indian plants

without Russian plants data

WCC - Chlor-Alkali Industry
Consumption and emissions in kg/year (absolute data)

Production year: 2006								
Capacity	Purchases /Sales	Consumption /Use	Emission to products	Emission to water	Emission to air	Total emissions	Solid waste	
In 1000 t Cl ₂ /y	kg Hg /y (- if sold)	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	
4	5,413	21,970	122,763	412	493	4,805	5,710	143,017
9	1,282	27,372	13,179	128	40	2,618	2,786	5,562
1	383	2,622	11,134	57	0	240	297	1,657
7	449	18,927	14,973	49	12	1,566	1,627	5,071
3	402	*(3)	*(3)	469	10	136	615	18,117
4	7,929	70,891	162,049	1115	555	9,365	11,035	173,424

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预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_14439

