MOROCCO Name of Respondent: Dr. AZZAOUI Samira Email: samira.azzaoui@gmail.com

Agency /Institution: Ministère Délégué chargé de l'Environnement, Rabat, Maroc Phone number: +212 67 90 53 876

Part I: Basic Information on individual mercury chlor alkali plants for 2015:

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ¹		Status of chlor alkali p re or Conversion to Nor Technology ? ase Provide Details and	Estimated Quantities of Elemental Mercury stored on site or to be decommissioned	
Name and Contact Information in the plant	In 1000 t	Done	In Progress	Planned	t
Quimpac* (sumatoria de dos plantas similares)		-	-	-	
Compagnie Electrochimique Marocaine Mr José M. Ferreira Iglesias (Directeur Technique) Route Oued Laou, Km 3, B.P. 194, Tétouan, Maroc Tel: +212 53 99 73 918/973920/970005			In Discussion		

^{*}TBD: To be determined

^{**} Información proporcionada por Isaias Flit, Asesor del Presidente - QUIMPAC S.A.

¹ In the case of already closed or converted plant, please provide capacity in the respective year.

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity	Purchases / Sales ²	Consumption / Use	Emission to Air	Emission to Water	Emission to Soil	Total emissions	Solid Waste	Mercury Currently at the Plant [exclude wastes]
Name and contact information in the plant	In 1000 t ³	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t
Quimpac*(sumato- ria de dos plantas similares)			4.6			1.32	1.32		

² Indicate as (-) if sold ³ In thousands of metric tons of chlorine capacity

PERU

Name of Respondent: Vilma Morales Q. Email: vmorales@minam.gob.pe

Agency /Institution: Ministerio del Ambiente Phone number: +51 1 611 6000 Anexo 1720

Part I: Basic Information on individual mercury chlor alkali plants for 2015:

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ⁴		Status of chlor alkali e or Conversion to No Technology? se Provide Details and	on-Mercury	Estimated Quantities of Elemental Mercury stored on site or to be decommissioned
Name and Contact Information in the plant	In 1000 t	Done	In Progress	Planned	t
Quimpac* (sumatoria de dos plantas similares)	116.7			SI	TBD**

^{*}TBD: To be determined

** Información proporcionada por Isaias Flit, Asesor del Presidente - QUIMPAC S.A.

⁴ In the case of already closed or converted plant, please provide capacity in the respective year.

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity	Purchases / Sales ⁵	Consumption / Use	Emission to Air	Emission to Water	Emission to Soil	Total emissions	Solid Waste	Mercury Currently at the Plant [exclude wastes]
Name and contact information in the plant	In 1000 t ⁶	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t
Quimpac*(sumato- ria de dos plantas similares)	116.7	0.0	627.0	0.02	0.62	TBD**	0.64	11.98	175.9

^{*}TBD: To be determined

^{**} Información proporcionada por Isaias Flit, Asesor del Presidente - QUIMPAC S.A.

⁵ Indicate as (-) if sold ⁶ In thousands of metric tons of chlorine capacity

ROMANIA Name of Respondent: Mihaela Epure Email: mihaela.epure@oltchim.com

Agency /Institution: OLTCHIM SA Phone number: +40250701220

Part I: Basic Information on individual mercury chlor alkali plants for 2015:

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ⁷	Status of chlor alkali p Closure or Conversion to Non-Mero (Please Provide Details and	gy?	Estimated Quantities of Elemental Mercury stored on site or to be decommissioned	
Name and Contact Information in the plant	In 1000 t	Done	t		
Doina Dobre doina.dobre@oltchim.com	0	Close for conversion to non-mercury technology			158.060

⁷ In the case of already closed or converted plant, please provide capacity in the respective year.

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity	Purchases / Sales ⁸	Consumption / Use	Emission to Air	Emission to Water	Emission to Soil	Total emissions	Solid Waste	Mercury Currently at the Plant [exclude wastes]
Name and contact information in the plant	In 1000 t ⁹	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t

⁸ Indicate as (-) if sold
⁹ In thousands of metric tons of chlorine capacity

SERBIA: Name of Respondent: Sonja Roglic Email: sonja.roglic@eko.minpolj.gov.rs

Agency /Institution: Ministry of Agriculture and Environmental Protection Phone number: +381(0)11 71 55 203

Part I: Basic Information on individual mercury chlor alkali plants for 2015 :

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ¹⁰	Status of chlor alkali plant Closure or Conversion to Non-Mercury Technology? (Please Provide Details and the Date)			Estimated Quantities of Elemental Mercury stored on site or to be decommissioned
Name and Contact Information in the plant	In 1000 t	Done	In Progress	Planned	t
HIP-Petrohemija a.d. Pancevo "Electrolysis" Phone: +381 (0) 13 30 70 00 +381 (0) 13 307 155 E-mail: info@hip- petrohemija.rs	Final product: -18 000 t HCl -6 200 t NaOH (100%) -1 600 t NaOCL, Chlorine is intermediate product Capacity (max) 6 500 t	/	/	/	The number of cells (Olin E-812) is 5, appromatly 14 t, and 480 kg mercury at the stocks
Chemical Industry "Župa"sc in restructuring "Electrolytic products – KCI " Phone: +381 (0) 37 424 476 Fax: +381 (0) 37 423 277	Designed capacity 4000t (produced only 4 t chlorine)	/	/	/	12.4

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¹⁰ In the case of already closed or converted plant, please provide capacity in the respective year.

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity	Purchases / Sales ¹¹	Consumption / Use	Emission to Air	Emission to Water	Emission to Soil	Total emissions	Solid Waste	Mercury Currently at the Plant [exclude wastes]
Name and contact information in the plant	In 1000 t ¹²	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t
HIP- Petrohemija a.d. Pancevo "Electrolysis" Phone: +381 (0) 13 30 70 00 +381 (0) 13 307 155 E-mail: info@hip- petrohemija.rs	Final product: -18 000 t HCl -6 200 t NaOH (100%) -1 600 t NaOCL, Chlorine is intermediate product Capacity (max) 6 500 t	/	Consumption 730 kg/year	0	4,69	/	/	2500 kg/year (sludge contaminated with Hg) Total amount of sludge = 62,400 kg 5284 t (sludge contaminated with Hg at the landfill in the company)	14, 483

Indicate as (-) if sold
 In thousands of metric tons of chlorine capacity

Chemical	Designed								
Industry	capacity 4000t								
"Župa"sc	(produced only	/	/	/	/	/	/	No official	12.4
"Electrolytic	4 t chlorine)							data available	
products – KCI"									
bankruptcy									
Phone									
: +381 (0) 37									
424 476									
Fax: +381 (0) 37									
423 277									
zupahi@open.t									
<u>elekom.rs</u>									

SYRIA Name of Respondent: Eng FAROUK ALETER Email: F. aleter@yahoo.com/ Fa.aleter@hotmail.com

Agency /Institution: Ministry of State for Environment Affairs Phone number: ++963 944 496 270

Part I: Basic Information on individual mercury chlor alkali plants for 2015:

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ¹³	Closure or Co	of chlor alkali pla pnversion to Non- Technology ? yide Details and th	Estimated Quantities of Elemental Mercury stored on site or to be decommissioned	
Name and Contact Information in the plant	In 1000 t	Done	In Progress	Planned	t
Quimpac* (sumatoria de dos plantas similares)		-	-		
Eng. FAROUK ALETER SAICM focal point Ministry of State for Environment Affairs Damascus/Syrian Arab Republic f.aleter@yahoo.com Fa.aleter@hotmail.com		Plant Closed			

^{*}TBD: To be determined

^{**} Información proporcionada por Isaias Flit, Asesor del Presidente - QUIMPAC S.A.

¹³ In the case of already closed or converted plant, please provide capacity in the respective year.

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity	Purchases / Sales ¹⁴	Consumption / Use	Emission to Air	Emission to Water	Emission to Soil	Total emissions	Solid Waste	Mercury Currently at the Plant [exclude wastes]
Name and contact information in the plant	In 1000 t ¹⁵	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t
Quimpac*(sumato- ria de dos plantas similares)									

^{*}TBD: To be determined

^{**} Información proporcionada por Isaias Flit, Asesor del Presidente - QUIMPAC S.A.

¹⁴ Indicate as (-) if sold
15 In thousands of metric tons of chlorine capacity

CUBA Name of Respondent : Martha Sentí Darias Email : senti@citma.cu

Agency /Institution: Ministerio de Ciencia, Tecnología y Medio Ambiente Phone number: 8355566 – 71 ext. 133

Part I: Basic Information on individual mercury chlor alkali plants for 2015 :

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ¹⁶		Status of chlor alkali plant Closure or Conversion to Non-Mercury Technology ? (Please Provide Details and the Date))	Estimated Quantities of Elemental Mercury stored on site or to be decommissioned
Name and Contact Information in the plant	In 1000 t	Done	In Progress		t
Magalis Torres Martínez Esp. Medio Ambiente Planta Cloro Sosa	NaOH al 100 %= 40 t/day Cl2 gas= 35 t/day Cl2 liq= 21.3 t/day NaOCl= 80 t/day HCl= 35 t/day (future production capacity of the new plant)		The investment to reconvert the plant in a mercury-free technology is in process, is at 30% execution. The start of the new plant is predicted for the year 2017.		2553 kg end of 2015

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¹⁶ In the case of already closed or converted plant, please provide capacity in the respective year.

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity	Purchases / Sales ¹⁷	Consumption / Use	Emission to Air	Emission to Water	Emission to Soil	Total emissions	Solid Waste	Mercury Currently at the Plant [exclude wastes]
Name and contact information in the plant	In 1000 t ¹⁸	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t
Magalis Torres Martínez Esp. Medio Ambiente Planta Cloro Sosa	NaOH al 50 %= 108 t/day Cl2 gas= 48 t/day Cl2 liq= 43 t/day / NaOCl= 80 t/day HCl= 60 t/día (maximum capacity of the actual plant) *	16762.5 **	14209.5	***5.37	103.01	No ****	108.38	565.84	2.553

¹⁷ Indicate as (-) if sold
¹⁸ In thousands of metric tons of chlorine capacity

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							+

^{*} The technical conditions of the plant after 35 years of operation and the lack of timely financing to carry out maintenance have prevented these capacities from being reached in addition to the existing limitation with the demand for chlorinated products in our country.

evaporate in other parts of the process as a result of the physico-chemical properties of this substance.

^{**} In the year 2015 bought 16762.5 kg of mercury. The historical consumption index is around 6 t / year which has been affected in the last years due to the technical conditions of the main equipment and the presence of heavy metals in the salt that propitiates great losses of mercury in the form of butters Which is not recoverable at 100%.

*** In air emissions only hydrogen is considered to be released into the atmosphere as a surplus of the production process, because it cannot be quantified the values that

^{****} There are no emissions to the soil, unless there is leakage of contaminated water, so they are not monitored.

PHILIPPINES

Name of Respondent: Patrick Cristobal

Email: hazwaste.embco@gmail.com

Agency / Institution: DENR-EMB

Phone number : (632) 9281212

Part I: Basic Information on individual mercury chlor alkali plants for 2015 :

Mercury Cell Chlor Alkali Plant	Mercury Cell Chlorine Capacity ¹	Status of chlor alkali plant Closure or Conversion to Non-Mercury Technology? (Please Provide Details and the Date)			Estimated Quantities of Elemental Mercury stored on site or to be decommissioned	
Name and Contact Information in the plant	In 1000 t	Done	In Progress	Planned	t	
Superior Gas and Equipment Company (SUGECO) Address: P. Martinez St., Barangay Daang Bakal, Mandaluyong City Office: Sandoval Ave., Pasig Metro Manila Email: http://www.sugeco.net/ Tel: (632) 531-8021 to 26	0 (No Information of previous capacity)	Ceased Operation (before Year 2000)			N/A	
Ajinomoto Philippines Address: E. Rodriguez Ave., Ugong, Pasig City Office: 139 Corporate Center, Valero, Makati, Metro Manila Email: http://www.ajinomoto.com.ph/ Tel: 0917 552 8304	0 (No Information of previous capacity)	Ceased Operation (September 2007)			N/A	
Mabuhay Vinyl Corporation Address: Assumption Heights, Burun, Iligan City Office: 139 Corporate Center, Valero, Makati, Metro Manila	Ion Exchange Membrane Chlor Alkali Plant Capacity 6000 MT/Year	Convert to Ion Exchange (Since 1993)			N/A	

¹ In the case of already closed or converted plant, please provide capacity in the respective year.

Email: edilbertobayor@yahoo.com.ph Tel: (632) 223-6794	

Part II: Additional information on individual mercury cell chlor alkali plants for 2015

			C	j		emissions	Waste	[exclude wastes]
In 1000 t ³	kg Hg /y	Kg Hg /y	kg Hg /y	kg Hg /y	kg Hg /y	Kg Hg /y	kg Hg /y	t
	manie mieropo (sa kristinia krimina stronografico esa kr				Plant	Control of the State of the Sta		
A	None	None	None	Effluent Water Hg=0.112ppb	None		BFLs 50-90 Kg bulbs/vear	N/A
DOMT/Year	None	None	None	Effluent Water Hg=0.054ppb	None			N/A
_	4	A None	Ma Ion Excha None None	Mabuhay Vinyl Ion Exchange Membrai None None None	Mabuhay Vinyl Corporation Ion Exchange Membrane Chlor Alkali None None None Effluent Water Hg=0.112ppb DOMT/Year None None Effluent Water	Mabuhay Vinyl Corporation Ion Exchange Membrane Chlor Alkali Plant None None None Effluent Water Hg=0.112ppb None None None Effluent Water Hg=0.112ppb None Water	Mabuhay Vinyl Corporation Ion Exchange Membrane Chlor Alkali Plant None None None Effluent Water Hg=0.112ppb None None None Effluent Water Water Hg=0.112ppb	Mabuhay Vinyl Corporation Ion Exchange Membrane Chlor Alkali Plant None None None Effluent Water Hg=0.112ppb None None None Effluent None - Water Water Hg=0.112ppb None None None Effluent Water

² Indicate as (-) if sold ³ In thousands of metric tons of chlorine capacity