

**Table 3: Recovery Facilities Operated within the National Jurisdiction**

*All Regions/Countries, Parties of the Basel Convention*

<i>Year</i>	<i>Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>UN Region: Africa</b>					
<b>Botswana</b>					
2003	No facilities available				
<b>Djibouti</b>					
2003	No facilities available				
<b>Egypt</b>					
2003	Recycling of used oils	Recycling of used oils	R9		
2003	Recycling of Lead from Lead-Acid Batteries	Smelting	R4		
2003	Incineration of Organic solvent in cement kiln	Use as alternative fuel	R1		
<b>Ethiopia</b>					
2003	No facilities available				
<b>Gambia</b>					
2003	No facilities available				
<b>Madagascar</b>					
2003					
<i>Remarks</i>	2003 No information available yet. The national inventory for hazardous wastes is not yet in place regarding the application of the Basel Convention.				
<b>Mauritius</b>					
2003	No facilities available				

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Morocco</b>				
2003	Les fours de cimenteries des groupes suivants : Holcim, Lafarge, Ciment du Maroc	*	R1	Yes
2003	Des unités industrielles spécialisées dans le recyclage et la valorisation des déchets notamment, les déchets de plastiques, métaux, les huiles usées, papiers, textiles, verre, cartouches toners...	**	R4, R9, R5	Yes
<i>Remarks 2003</i> * Valorisation énergétique dans les fours des cimenteries de certains déchets, notamment les résines périmées, plastiques, les pneus, les solvants ** Fabrication des articles à partir de déchets comme par exemple : les couvertures à partir des déchets de textiles, les articles en plastique en verre ... There are national enterprises specialized in waste recovery, particularly textiles, plastic, glass, wood and cardboard.				
<b>Mozambique</b>				
2003	No facilities available			
<b>Niger</b>				
2003	No facilities available			
<b>Seychelles</b>				
2003	No facilities available			
<b>South Africa</b>				
2003	Fry's Metals (Pty) Ltd, P O Box 519, Germiston, 1400		R4	Yes
2003	Collect-A-Can (Pty)Ltd, P O Box 30500, Kyalami, 1684			
2003	FFS Refineries, P O Box 36979, Chempet, 7442			
2003	FFS Refiners (Pty) Ltd, P O Box 25102, Sea View, 4072			
2003	Nampak Polycyclers, P O Box 356, Olifantsfontein, 1665			

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003	Oil Separation Solutions Lowveld (Pty) Ltd, P O Box 17854, Sunward Park, 1470			
2003	Onyx SA, P O Box 46316, Orange Grove, 2119			
2003	Rematech SA (Pty) Ltd, P O Box 131199, Bryanston, 2021			
2003	Sappi Waste Paper, P O Box 32706, Braamfontein, 2017			
2003	Tiger Chemical Treatment (Pty)Ltd / Rechem Industries (Pty) Ltd, P O Box 6674, Homestead, 1412			
2003	Waste Resources (Pty) Ltd, P O Box 731473, Fairland, 2030			
2003	Enviroserv Waste Management (Pty) Ltd, P O Box 1547, Berdfordview, 2008			
2003	Recycling Projects & Composting Services			
2003	Paper King - On Site Waste Management, PO Box 10015, Salt River, Cape Town			
2003	Ritlee-Xecutech Sales & Service Pty Ltd, PO Box 1296, Bedfordview, Gauteng, Johannesburg 2008			
2003	Rose Foundation			
2003	Universal Recycling Company			
2003	Desco Electronic Recyclers			
2003	Rand Refinery			
2003	Impala Refining Services			
2003	Ritlee-Xecutech Sales and Services Pty Ltd, PO BOX 1296 Fishershill Primerose 1400 Bedfordview, Johannesburg 2008			
2003	Dixon Batteries (Donaventa Holdings(Pty) Ltd) P O BOX 81 Vereeniging 1930			

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
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*Source 2003* Mr. Leon Bredenhann, Department of Water Affairs and Forestry, Private Bag X – 313, Pretoria, 0001.Tel: (27-12) 336-8422.

For more information concerning the “Description of the facility, operation or process” contact the focal point and/or competent authority (the field designated to hold this information in the Reporting Database has limited storage space).

*Remarks 2003* This function has been transferred to Department of Environmental Affairs and Tourism under section 20 of Environment Conservation Act (Act 73 of 1989).

**Tanzania (United Republic of)**

2003 No facilities available

**Tunisia**

2003 The Tunisian Company of Lubrication Oils (SOTULUB)	Preflash/gas oil stripping/vacuum distillation/ fractionation	R9	16000	No
2003 One public facility for the treatment of used oil filters	*	R1, R4, R9	500	No
2003 One Composting facility for organic household wastes	Aerobic digestion	R10	1000	No
2003 Sixteen private companies recycling plastic wastes	Physical process (extrusion)	R3	25000	No
2003 One company recycling used lead-acid batteries	Reclamation of lead and plastics	R4	14600	No
2003 Four companies recycling waste papers and paperboard	Recovery of fibres using	R5	40000	No
2003 Two companies recycling photographic liquids and radiological films	Reclamation of metals	R4	1200	No
2003 Five companies recycling aluminium wastes	Transformation to aluminium ingots	R4	2000	No

*Remarks 2003* \*Recovery of the metal fraction – regeneration of the oil fraction – use as a fuel (in a cement plant) of the synthetic fraction

**Uganda**

2003 No facilities available

**Zambia**

2003 No facilities available

*Remarks 2003* Still over 10,000 tonnes are not collected. Need for increased capacity of recycling via a sound collection / take back system.

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>UN Region: Asia and Pacific</b>				
<b>Azerbaijan</b>				
2003	No facilities available			
<b>Bahrain</b>				
2003	Falcon Factory	Recycling of waste paper	-	1500 No
2003	Bahrain Recycling Plant Askar - P.O. Box: 26390	Aluminium dross recycling	R4	9000 No
2003	AluServ Middle East W.L.L. Manama - P.O. Box: 519	Aluminium dross recycling	R4	20000 No
2003	Bahrain Scrapmould Manama - P.O. Box: 1208	Recovery of aluminium and metals scrap	R4	2000 No
2003	Crown Industries & Crown Metals Manama - P.O. Box:	Recovery of aluminium and metals scrap	R4	1200 No
2003	Bramco, fax : (973) 23-0614	Recovery / Recycling of metals scrap	R4	- No
<b>Bangladesh</b>				
2003	No facilities available			
<b>Cambodia</b>				
2003	No facilities available			
<b>China</b>				
2003	Shanghai waste recovery and treatment center			
2003	Beijing waste recovery and treatment center			
2003	Shenzhen waste recovery and treatment center			
2003	Shenyang waste recovery and treatment center			
2003	Fujian waste recovery and treatment center			
2003	Tianjin Hejia-Onyx Environmental Protection Co. Ltd			

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 Hangzhou Dadi Environmental Protection Co. Ltd <i>Source 2003</i> Hong Kong Special Administrative Region, China: Information is available from the competent authority of HKSAR.				
<b>Cyprus</b>				
2003 No facilities available <i>Source 2003</i> Information could be obtained from the Focal Point.				
<b>Indonesia</b>				
2003 PT. WGI (Wiraswasta Gemilang Indonesia Ltd.), Ds. Gandamekar 24 Cibitung Bakagitel: (62-21) 883-1241	Used oil re-refining	R9		No
2003 PT. Teknotama Lingkungan Internusa, Lippo Karawaci, Tangerang	Acid-base solution recovery	R2		No
2003 PT. Agip Lubrindo, Jakarta, tel: (62-21) 570-0072	Used oil re-refining	R9		No
2003 PT. Multimadya Niaga Pratama, Jakarta Timur, tel: (62-21) 524-0250/51	Solvent recovery			No
2003 PT. Hanwa Kimia Indonesia, Kawasan Industri Delta Silikon Kav. A1/2 Lippo Cikarang, Bekasi	CuCl <sub>2</sub> , Zn ash and Zn blowing	R4		No
2003 PT. Cimanggis Sakti, Jl. Kapten Tole Iskandar Km 2 Sukmajaya, Cimanggis, Bogor	Zinc chloride and Zinc oxide recovery	R4		No
2003 PT. Pride Chem Industries, Jl. Jababeka VIII Blok K-5D Lemah Abang, Bekasi	CuCl <sub>2</sub> recovery	R4		No
2003 PT. Freeport Indonesia, Kab. Mimika, Irian Barat	Used oil as alternative fuel at lime kiln	R9		No
2003 PT. Fajar Zippindo, Jl. Faliman Jaya 19 Kel. Jurumudi Baru, TANGERANG	CuCl <sub>2</sub> recovery	R5		No
2003 PT. Non Ferindo Utama Jl. Manis II/1 Manis Industrial estate Tangerang	Lead acid battery recovery			No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 PT. Citra Logam Alpha Sejahtera, Jl. Dadap I Kav. 3, TANGERANG	Tin recovery	R4		No
2003 PT. Semen Padang, Indarung, PADANG	Copper slag recovery at cement kiln	R4		No
2003 PT. Nebraska Pratama, Jl. Puri Indah Ruko Puri Indah Sentra Niaga Blok T-II No. 39, JAKARTA	Aluminium - scrap recovery	R4		No
2003 CV. Cahaya Agung, Jl. Raya Jakarta-Bogor Km. 34 No. 19, Cimanggis	Tin recovery	R4		No
2003 PT. Indah Kiat Pulp and Paper SerangJl. Raya Serang Km.76, Kab. Serang-Banten	Used oil as alternative fuel at lime kiln	R9		No
2003 PT. Indocement Tunggal PrakarsaDesa Nambo – Cibinong, Bogor – Jawa Barat	Copper slag and fly ash utilization at cement kiln			
2003 PT. Semen Cibinong TbkDesa Narogong, Klapanunggal Bogor	Copper slag as substitute material at cement kiln	R4		No
2003 PT. Semen Gresik Unit TubanDesa Sumberarum Kecamatan Kerek Tuban - Jawa Timur	Copper slag as substitute material at cement kiln	R4		No
2003 PT. Jaya ReadymixJ. Dupak Rukun Tambak Mayor Surabaya – Jawa Timur	Copper slag and fly ash as substitute material at concrete industry	R4		No
2003 PT. Wijaya Karya Beton PasuruanJl. Raya Kejapanaan-Mojosari No.323 Kec. Gempol, Kab. Pasuruan, Jawa Timur Telp. 0343 - 852130 Fax. 0343 - 851480	Copper slag and fly ash as substitute material at concrete industry	R4		No
2003 PT. Semen TonasaBiringere, pangkep. Prop. Sulawesi selatan	Copper slag, bottom ash and fly ash as substitute material at concrete industry	R4		No
2003 PT. Multimadya Niaga MitratamaPulogebang Raya No.13, Jakarta Timur Telp.021-4809024 Fax.021-4809026	Solder flux recovery			No
2003 PT. Feralindo AdhitamaJl. Raya industri Km. 8 Hegarmanah-Purwakarta Telp./Fax.0264-210236	CuCl <sub>2</sub> recovery	R5		No
2003 PT. Simultan Intina IndonesiaJl. Raya Cikuda No. 1 RT.02 RW. 05 Desa wanaherang, Kec. Gn. Putri, cibinong, Bogor	Solvent and Solder flux recovery			No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 PT. MuhtomasJl. Jababeka II Kav. 20-21 lemah Abang, Bekasi	Lead acid battery recovery			No
2003 CV. Sinerga IndonesiaJl. Raya Gunung Masigit KM. 24,5 Padalarang, Bandung – Jawa Barat Telp. Kantor Pusat 022-6009032 Fax.022-6009032	Aluminium sludge for Aluminium sulphate production			No
2003 PT. Indra Eramulti Logam IndustriDs. Gununggangsir, Kec. Beji Pasuruan	Lead acid battery recovery			No
2003 CV. Cahaya PurnamaJl. Stadion 146, desa kemiri Sidoarjo – Jawa Timur	Fly ash for concrete industry			No
2003 PT. Greenindo TritamaTrasper Dipo limbah industri B3 Kabil - Batam	Solvent recovery			No

### **Japan**

2003

*Remarks 2003* At April 1, 2002 (the beginning of the fiscal year of 2002), the number of treatment facilities authorized by governors is 19 474. Individual list is not available.

### **Kyrgyzstan**

2003 No facilities available

### **Lebanon**

2003 No facilities available

### **Malaysia**

2003 Metal Reclamation (Industries) Sdn. Bhd., Batu Caves, Selangor	Off-site Recovery of Dross, slag, ash, dust from lead smelting process or dust emission control system	R4	1500 mt/month	
2003 Metal Reclamation (Industries) Sdn. Bhd., Batu Caves, Selangor	Dross from lead soldering process	R4	500 mt/month	
2003 Metal Reclamation (Industries) Sdn. Bhd., Batu Caves, Selangor	Discarded or off specification lead batteies from battery manufacturing plant	R4	6000 mt/month	



<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 Metal Reclamation (Industries) Sdn. Bhd., Batu Caves, Selangor	Lead sludges from wastewater treatment system.	R4	500 mt/month	No
2003 Hiap Huat Chemicals Sdn. Bhd., Bentong, Pahang	Off-site Recovery of waste solvents	R2, R9	500 drums/month	
2003 Hiap Huat Chemicals Sdn. Bhd., Bentong, Pahang	spent oils	R2, R9	2000 drums/month	
2003 Hiap Huat Chemicals Sdn. Bhd., Bentong, Pahang	waste paint.	R2, R9	50 drums/month	No
2003 Centralised Waste Treatment Plant S.B, N. Sembilan	Off- site Recovery of Waste Solvents	R2	1000 drums/month	No
2003 Universal Cyclone Sdn. Bhd., Sungai Buluh, Selangor	Off-site recovery of Photographic wastes	R5	160 mt/month	No
2003 Southern Cement Industries Sdn. Bhd., Pasir Gudang, Johor	Off- site Recovery of Calcium sulphate sludge	R5	7500mt	No
2003 Intercedar Industry (M) Sdn. Bhd., Batang Kali Selangor	Off-site Recovery of Lead acid batteries	R4	1400 mt/month	No
2003 CCM Chemicals Sdn. Bhd., Pasir Gudang, Johor	Off-site Recovery of spent aqueous acid solution	R6	800 mt/month	No
2003 Positive Chemical Sdn. Bhd., Pasir Gudang, Johor	Off-site Recovery of spent ferric chloride	R2, R6	200 mt/month	No
2003 Positive Chemical Sdn. Bhd., Pasir Gudang, Johor	spent copper chloride	R2, R6	300 mt/month	
2003 Positive Chemical Sdn. Bhd., Pasir Gudang, Johor	spent acid	R2, R6	100 mt/month	
2003 Positive Chemical Sdn. Bhd., Pasir Gudang, Johor	Ammonia chloride solution	R2, R6	80 mt/month	
2003 Positive Chemical Sdn. Bhd., Pasir Gudang, Johor	spent solvent	R2, R6	150 mt/month	
2003 Positive Chemical Sdn. Bhd., Pasir Gudang, Johor	spent alkaline	R2, R6	100 mt/month	
2003 Techno Indah Sdn. Bhd., Pasir Gudang, Johor	Off-site Recovery of Oil Sludge from tanker, Slop Oil	R9	8000 mt/month	No
2003 Tex Cycle Sdn. Bhd., Puchong, Selangor	1)	R5	62.4 mt/month	No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 Negeri Sembilan Cement Industries Sdn. Bhd., Bahau, N. Sembilan	Off-site Recovery of Panel sludge	R5	600 mt/month	No
2003 Tasek Corporation Berhad, Ipoh, Perak	Off-site Recovery of Soap sludge	R5	370 mt/month	No
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Off-site Recovery of Aluminium hydroxide sludges	R5	6200 mt/month	No
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Aluminium hydroxide powder	R5	500 mt/month	
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Copper slags	R5	21000 mt/month	
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Silica sludges	R5	6000 mt/month	
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Phenolic resin paper	R5	400 mt/month	
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Alumina filter cake sludges	R5	1000 mt/month	
2003 Associated Pan Malayan Cement Berhad, Rawang, Selangor	Fiber sludges	R5	600 mt/month	
2003 Associated Pan Malaysia Cement Sdn. Bhd., Kanthan Works, Perak	Off-site Recovery of Iron hydroxide Sludge and Calcium Sulphate Sludge	R5	1630 mt & 1800 mt	No
2003 Senju (M) Sdn. Bhd., Shah Alam, Selangor	Off-site Recovery of Solder Dross	R5	50 mt/month	No
2003 SMC Technology Sdn.Bhd., Johor	Off-site Recovery of Solder Dross and Spent Catalyst	R5	210 mt/month & 60 mt/month	No
2003 Excelbond Metal Recycling Ind.Sdn. Bhd., Pasir Gudang, Johor	Off-site Recovery of Solder Dross and Brass Dross	R5	200 mt/month & 50 mt/month	No
2003 JTS Engineering Sdn. Bhd., Pasir Gudang, Johor	Off-site Recovery of Aluminium Dross	R5	48 mt/day	No
2003 Tai Kwong Yokohama Battery industries Sdn.Bhd., Ipoh, Perak	Off-site Recovery of Lead Acid Batteries	R5	3000 mt/month	No
2003 Tai Kwong Yokohama Battery industries Sdn.Bhd., Ipoh, Perak	Lead dross	R5	60 mt/month	
2003 Tai Kwong Yokohama Battery industries Sdn.Bhd., Ipoh, Perak	Lead oxide	R5	60 mt/month	
2003 C.L.P. Industries Sdn. Bhd., Pasir Gudang, Johor	Off-Site Recovery of Spent Cupric Chloride acid	R5	550 mt/month	No

*Source* 2003 There are 56 licensed recovery facilities and the list is available upon request from the Competent Authority ([www.jas.sains.my](http://www.jas.sains.my)).

*Remarks* 2003 1) Off-site Recovery of Cloth contaminated with ink/paint/organic solvents, Containers contaminated with ink/paint/organic solvents

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Maldives</b>				
2003 No facilities available				
<b>Pakistan</b>				
2003				
<i>Remarks 2003</i> A few industries have installed recovery plants especially for Chromium recovery. An inventory of such facilities, however, is not available.				
<b>Philippines</b>				
2003 Philippine Recyclers, Inc., Bo. Patubig, Marilao, Bulacan	Recovery of lead from used lead acid batteries	R4	6000 tons/mo.	Yes
2003 O.M. Manufacturing Corporation, Philippine, Economic Zone Authority (PEZA), Rosario, Cavite	Recovery of lead/tin from solder dross			Yes
2003 Uni-Lonseal Inc., Calamba, Laguna	Recycling scrap PVC into PVC sheet			Yes
2003 Bensan Industries Inc., Valenzuela, Bulacan	Recovery of oil and reprocess into lubricating oil, asphalt			* Yes
<i>Remarks 2003</i> *				
a. Base oil: 300 drums/day.				
b. Fuel oil: 35 drums/ day.				
c. Asphalt 100 drums / day.				
<b>Qatar</b>				
2003 Qatar Reclamation Oil Plant	Used Oil Recycling		10 MT/day	No
<b>Republic of Korea</b>				
<i>Source 2003</i>	Korea Environment Resources Corporation (ENVICO), Kyongseo-dong, Seo-gu, Incheon metropolitan city (404-170) or at www.envico.or.kr.			
<i>Remarks 2003</i>	ENVICO operates 21 recovery facilities (waste tires, waste glass bottles, waste plastic). Out of 2,623 recycling business, 2,260 produce recycled goods and the rest recycle materials through their reuse as fuel, etc. Local governments also operate pre-treatment facilities.			

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Singapore</b>				
2003 ECO Special Waste Management (SWM) Pte Ltd	Waste treatment and recovery facilities for chemical wastes, sludge and spent solvents, etc.	R2	50 mt/day	No
2003 Purechem Onyx Pte Ltd	Waste treatment and recovery facilities for chemical wastes, sludge and spent solvents, etc.	R2	20 mt/day	No
2003 Technochem Pte Ltd	Waste treatment and recovery facilities for chemical wastes, sludge and spent solvents, etc.	R2	18 mt/day	No
2003 Chem-Solv Technologies Pte Ltd	Waste treatment and recovery facilities for chemical wastes, sludge and spent solvents, etc.	R2	12 mt/day	No
2003 Cramoil Trading Co.	Waste treatment and recovery facilities for chemical wastes, sludge and spent solvents, etc.	R2	15 mt/day	No
2003 SUT Seraya Pte Ltd	Waste treatment facility for chemical wastes, physical-chemical treatment, sludge treatment, incineration, etc	R2	70 mt/day	No

*Source 2003* A number of privately operated toxic waste treatment companies are licensed by PCD for treatment, recovery, reprocessing, recycling and disposal of hazardous industrial wastes (D9, D10 and R2, R4, R6, R9 operations).

A complete list may be obtained from the following website: <http://www.nea.gov.sg/cms/pcd/tiwcollectors.pdf>

*Remarks 2003* Toxic waste treatment companies are privately operated and licensed by PCD.

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
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**Sri Lanka**

*Remarks 2003* At present there is no central company authorized in the country for the recovery of Hazardous waste. Industrialists have been requested to have their own waste treatment recovery plants under conditions stipulated in the Environmental Protection License scheme. Industrial Estates and Parks have Central Waste Treatment facilities. Some of the industries have been requested to have temporary storages for hazardous waste that is generated, until such time appropriate facilities are made available.

**Thailand**

2003 GENCO, Rayong	Fuel Blending Unit (used solvent and waste oil)	R1 and R2	200 t/d	No
2003 Sita-Thai Waste Management Sevice Ltd., Saraburi	Fuel Blending Unit (used solvent and waste oil)	R1	15,000 t/yr	No
2003 Siam Cement Ltd. Keang Khoi,Keangkoi, Lampang, Thongsong, Taluang and Khoawong	Co-incineration	R1 and R2	2 t/hr	No
2003 Lead Melting Industries	Recycling of lead from used lead-acid batteries	R4	28,000 t/yr	No
2003 Techno-chem Ltd., Chacheongsoa	1,1,1-Trichloroethane, 1,1,2-Trichloroethylene, 1,1,3-Trichlorotrifluoroethane, Methylenechloride, Isopropyl alcohol		1,500 t/yr	No
2003 Recycle Engineering Ltd., Chonburi	Solvent and chemicals		10,000 t/yr	No

*Source 2003* Department of Industrial Works  
<http://www.diw.go.th>  
 e-mail: iwmb@pcd.go.th

**Viet Nam**

2003 No facilities available

**Yemen**

2003 No facilities available

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>UN Region: Western Europe and Others</b>				
<b>Andorra</b>				
2003 Deixalleries de la Massana, Sant Julià de Lòria, Canillo et Escaldes-Engordany	Center to accumulate material in a local zone before being exported for recycling	R3	Not available	No
2003 Deixalleria d'Encamp	Center to accumulate material in a local zone before being exported for recycling	R3	Not available	No
2003 Centre d'emmagatzematge de la Comella	Center to accumulate material before being exported to other countries for recycling	R3	Not available	No
2003 Deixalleries de la Massana, Sant Julià de Lòria, Canillo et Escaldes-Engordany	Center to accumulate material in a local zone before being exported for recycling	R3	Not available	No
<i>Remarks 2003</i>	Les déchetteries sont des installations qui ont une gestion communale.			
<b>Belgium</b>				
<i>Source 2003</i>	A broad range of facilities exist in Belgium for waste treatment / recovery, graphical industry, animal waste treatment, chemical industry, metallurgy, scrap treatment, oil refinery, waste oil treatment, sludge treatment, soil treatment, recycling of zinc and nickel salts, treatment of used oils etc. Information available from the Competent Authorities.			
<b>Canada</b>				
<i>Source 2003</i>	In Canada, disposal/recycling facilities are monitored/regulated by provinces and territories. For further information, the Competent Authority could be contacted or links to the provinces and territories web-sites can be found at <a href="http://www.ec.gc.ca/tmb/eng/links_e">http://www.ec.gc.ca/tmb/eng/links_e</a>			
<b>Finland</b>				
<i>Source 2003</i>	There are several facilities licensed to operate on hazardous waste recovery and recycling. A detailed list of these facilities can be obtained from:Ministry of the Environment, P.O. Box 35, FIN- 00023 Government (the Focal point of the Basel Convention).			

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>France</b>				
<i>Source 2003</i>	ADEME (Agence de l'Environnement et de la Maitrise de l'Energie); 2 square Lafayette, BP 406, 49004, Angers Cedex. <a href="http://www.ademe.fr">http://www.ademe.fr</a>			
<b>Germany</b>				
<i>Source 2003</i>	Information is available from the Focal Point.			
<i>Remarks 2003</i>	There are about 500 authorized facilities for the treatment of hazardous waste. There is a total capacity authorized for recovery of more than 18 million metric tons per year. Most of the facilities also treat imported waste. Facilities for all recovery operations are available. There are also many specialized facilities (e.g. for electronic scrap or ship-specific waste). Further information is available from the Focal Point.			
<b>Greece</b>				
2003				
<i>Source 2003</i>	Information could be obtained from: European Union, for implementation of Directive 91/689/EEC, for hazardous wastes, Article 8 paragraph 3 of the Decision 96/302/EU (Country report).			
<b>Iceland</b>				
2003	Sementsverksmiðjan hf. v/Mánabraut, IS-300 Akranes	Cement factory	R1	No
2003	Efnamóttakan hf, Gufunes, IS-132 Reykjavík		R13	No
2003	Fura ehf., Markhelli 1, IS-220 Hafnarfjörður		R13	No
2003	Hringrás ehf., Klettagörðum 9, IS-104 Reykjavík		R13	No
2003	Sagaplast ehf, Réttarhvammi 3, IS-603 Akureyri		R13	No
2003	Efnaeiming ehf, Aubrekku 1, IS-200 Kópavogi		R2	
<b>Israel</b>				
2003	Liran, Rishon Letzion	Solvent reclamation	R2	N.A. No
2003	Petrochim, Ashdod	Solvent reclamation	R2	N.A. No
2003	M.T.A. Recycling Technologies, Jerusalem	Solvent reclamation	R2	N.A. No
2003	Hakurnas, Ashdod	Lead acid batteries recycling	R4	N.A. Yes
2003	Numinor, Maalot	Zinc recycling	R4	N.A. No
2003	Guy Recycling, Petah Tikva	Photographic solution recycling	R4	N.A. No
2003	Environmental Services Company Ltd., Ramat Hovav	Bisulfite production for chromate reduction	R5	N.A. No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 Environmental Services Company Ltd., Ramat Hovav	Ammoniacal copper recycling	R4	N.A.	No
2003 Timna, Timna Valley	Copper reclamation	R4	N.A.	No
2003 Gold Center, Or Yehuda	Precious metals recycling	R4	N.A.	No
2003 Holland Israel, Or Yehuda	Gold recycling	R4	N.A.	No
2003 Erez, Or Yehuda	Photographic solution recycling	R4	N.A.	No
2003 Supersold, Bet Oren	Tin and lead recycling	R4	N.A.	No
2003 El-Baz, Netser Sereni	Tin and lead recycling	R4	N.A.	No
2003 Metaltech, Ramat Hovav	Tungsten recycling	R4	N.A.	Yes
2003 Metaltech, Ramat Hovav	Lithium batteries recycling	R4	N.A.	No
2003 Sher, Petah Tikva	Precious metals recycling	R4	N.A.	No
2003 Safety Kleen, Acre	Solvent reclamation	R2	N.A.	No
2003 Nirosoft, Karmiel	Column Regeneration		N.A.	No
2003 Neshet, Ramla	Used solvents incineration (as a fuel substitute)	R1	N.A.	No
2003 Rotem Amphart, Rotem	Acids reuse (fertilizers production)		No	No
2003 Pama, Rotem	Fuel contaminated soil	R1	N.A.	No
2003 El-Baz, Nezer Sireni	Tin and Lead recycling	R4	N.A.	No
2003 S.V.Yazamut, Kiryat Ata	Sodium aluminate reclamation	R5	N.A.	No
2003 E.M.S. , Shilo	Silver recycling	R4	N.A.	No
2003 Tambour Ecology, Acre	Column Regeneration		N.A.	No

### **Italy**

*Source 2003* Information could be obtained from the Competent Authority.



<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Luxembourg</b>				
2003 Intermoselle Sàrl Langengrund L-3701 Rumelange	Clinker production	R5		Yes
2003 Lamesch Exploitation S.A. Z.I. Wolser Nord, L-3225 Bettembourg	Reconditioning of waste, pre-treatment further to R1 and R9 operations	R1, R9		Yes
2003 PRIMOREC S.A. b.p. 70, L-4501 Differdange	Recycling of waste from iron and steel production by direct reduction	R4, R5		Yes
<b>Monaco</b>				
2003 Societé Monégasque d'Assaissement, 3 Avenue de	Incineration of household wastes. Energy recovery as electric energy.	R1	89900 mt/year	Yes
<i>Source 2003</i>	For additional information the following source could be contacted: Direction du Contrôle des Concessions et des Télécommunications, 23 avenue Prince Héritaire Albert, MC 98000 Monaco (+377) 97.98.56.52 - 93.15.85.51			
<b>Netherlands</b>				
<i>Source 2003</i>	The problem is that a complete list of facilities is not available. Information of several sources should be gathered and grouped. Information will contain facilities that dispose and/or recover waste. It will not be a list of just recovery facilities.			
	The Jaaroverzicht in-, uit- en doorvoer van afvalstoffen 2003 to be found on <a href="http://www.vrom.nl/afval/evoa">www.vrom.nl/afval/evoa</a> under publications (pdf-file attachment in Dutch with English summary) also contains names of companies involved in the disposal of waste.			
<b>New Zealand</b>				
2003 Exide NZ Ltd., Petone, Wellington	Lead acid battery recovery	R4		Yes
2003 Milburn Cement Ltd., Westport	Used lubricating oil recovery	R1		No
2003 WPC Ltd., Pukekohe	Used lubricating oil recovery	R1		Yes
2003 BP/Castrol, Wellington	Used lubricating oil recovery	R9		Yes
<b>Norway</b>				
<i>Source 2003</i>	A list of facilities for recovery or disposal of hazardous waste can be found (in Norwegian) on <a href="http://www.sft.no/arbeidsomr/avfall/spesialavfall/Innsamlere.html">http://www.sft.no/arbeidsomr/avfall/spesialavfall/Innsamlere.html</a>			
<i>Remarks 2003</i>	Some facilities which import waste as raw material are not registered in the list above.			

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Spain</b>				
<i>Source 2003</i>	Limited information on this issue could be obtained from the Focal Point.			
<b>Sweden</b>				
<i>Source 2003</i>	Data can be obtained from the Swedish Environmental Protection Agency.			
<b>Turkey</b>				
2003 BEYOGLU BOYA	- Solvent reclamation/ regeneration- Dye recovery	R2R3		No
2003 Engin Petrol	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 Çinkanlar Kim.Mad.Tic. Ve San Ltd.Sti	- Solvent reclamation/ regeneration- Used oil re-refining or other reuses of previously used oil	R2R9		No
2003 Bsec Marmara-1 Çevre Gemisi	Used oil re-refining or other reuses of previously used oil	R9		No
2003 Altekin Nakliyat	Used oil re-refining or other uses of previously used oil	R9		No
2003 MAYBI (Malkara Birlik Süt Ve Süt Mamülleri) A.S	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 SATE GIDA VE KIMYA SAN.TIC.LTD.STI	-Solvent reclamation/regeneration-Recovery of	R2R6		No
2003 GÜVENER KAUÇUK	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 GRUP BOYA KIMYA SAN.TIC.LTD.STI	-Recycling/reclamation of organic substances which are not used as solvents	R2R3		No
2003 GRUP BOYA KIMYA SAN.TIC.LTD.STI	-Uses of residual materials obtain from any of the operations numbered R1-R10	R11		No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 IPEKÇI KIMYA	-Solvent reclamation/regeneration-Used oil re-refining or other reuses of previously used oil	R2R9		No
2003 IZEL KIMYA SAN. VE TIC. LTD. STI.	-Recovery of acids and alkalines	R6		No
2003 AYDIN BOYA VE KIMYA SANAYI	-Solvent reclamation/regeneration-Recycling/rec lamations of other inorganic materials	R2R5		No
2003 PROMETA YEM VE ENDÜSTRİYEL YAG SAN.VE TIC.A.S.	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 ABAK TICARET VE SANAYI KOMANDIT Sirketi	- Solvent reclamation/ regeneration	R2		No
2003 ABAK TICARET VE SANAYI KOMANDIT Sirketi	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 ABAK TICARET VE SANAYI KOMANDIT Sirketi	-Improvement/recycling of metals and metal compounds	R4		No
2003 Sahinbey Petrol Ürünleri San. Ve Tic. Ltd.Sti	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 SAHINBEY PETROL ÜRÜNLERI SAN. VE TIC. LTD.STI	- Solvent reclamation/ regeneration-Used oil re-refining or other reuses of previously used oil	R2R9		No
2003 DIKTAS YAG SABUN SAN. VE TIC. A.S.	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 REMAR MAKINA YED. PAR. SAN.TIC.LTD.STI	- Solvent reclamation/ regeneration-Used oil re-refining or other reuses of previously used oil	R2R9		No
2003 MENDEL METALURJI SAN. VE TIC. LTD. STI.	- Reclamation/ regeneration of previously used metals	R4		No
2003 TÜRKİYE DENİZCİLİK VAKFI	-Used oil re-refining or other reuses of previously used oil	R9		No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 ATABERK END. KIM. SAN. VE TIC LTD. STI.	-Recycling/reclamation of organic substances which are not used as solvents	R2R3		No
2003 ATABERK END. KIM. SAN. VE TIC LTD. STI.	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 DENGİ PETROL SAN. VE TIC. İTH.İHR. PAZ.LTD.STİ.	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 KUDRET METAL İZABE SAN. İSL. VE TIC.	- Improvement/recycling of metals and metals compounds	R4		No
2003 GÜNEY SABUN	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 GÜNDÜZ GIDA	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 HGD YAG&GIDA SANAYİ LTD.STİ.	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 SUDE SUNNİ DERİ SANAYİ A.S.	- Recovery of acids or alkalines	R6		No
2003 DİPER KİMYA END. SAN. VE TIC. A.S.	- Solvent reclamation/ regeneration-Used oil re-refining or other reuses of previously used oil	R2R9		No
2003 G.D.S. Geri Dönüştürülebilir Atık Maddeler İnşaat Ürünleri Turizm Temizlik Taahhüt San. Ve Tic. Ltd. Sti	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 ARI RAFİNE VE YAG SANAYİ A.S.	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 ARES MADENİ YAĞLAR VE KURSUN BİLEŞİKLERİ	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 MİDES PETROL ÜRÜNLERİ GERİ KAZANIM	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 KAHRAMAN NAKLİYAT SAN.VE TIC.LTD.STİ	- Used oil re-refining or other reuses of previously used oil	R9		No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 ÖZYURT GIDA VE KIMYA SAN.TIC.LTD.STI	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 BERK KIMYA TIC.TAAHHÜT VE PAZARLAMA SANAYI LTD.STI.	- Recovery of acids or alkalines	R6		No
2003 RESIT SAHIN SABUN IMALATI	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 SERAFETTİN KARADAVUT ATIK SİNTİNE VE MADENİ YAĞ GERİ KAZANIM TESİSİ	- Used oil re-refining or other reuses of previously used oil	R9		No
2003 ER-KİM KİMİYA SANAYİ TİCARET	- Solvent reclamation/ regeneration-Used oil re-refining or other reuses of previously used oil	R2R9		No
2003 KUTLU PETROL ÜRÜNLERİ SAN. VE TİC. LTD.STİ	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 BOTAS PETROL İŞLETMELERİ BÖLGE MÜD.	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 ÖZMOBİL MADENİ YAĞ ÜRETİM PAZ.SAN.VE TİC.LTD.STİ	-Used oil re-refining or other reuses of previously used oil	R9		No
2003 SAHA METAL SANAYİ TİC.LTD.STİ	- Improvement/recycling of metals and metals compounds	R4		No

*Remarks 2003* These facilities have been licensed by the Ministry of Environment and Forest for recovery.

**United Kingdom of Great Britain and Northern Ireland**

2003

*Source 2003* The Environmental Services Association (ESA), 154 Buckingham Palace Road, London SW1W 9TR, tel: (44-20) 7824-8882, fax: (44-20) 7824-8753, e-mail: info@esauk.org, web site: www.esauk.org; and

The Chartered Institute of Wastes Management, 9 Saxon Court, St Peters Gardens, Northampton NN1 1SX, tel: (44-1604) 620-426, fax: (44-1604) 621-339, e-mail: technical@ciwm.co.uk, web site: www.ciwm.co.uk

*Remarks 2003* There are too many facilities in the UK that are authorised to recover/recycle/re-use wastes to list here.

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
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***UN Region: Central and Eastern Europe***

**Albania**

2003 No facilities available

**Armenia**

2003 No facilities available

**Belarus**

2003

*Source* 2003 Institution "BELNIC ECOLOGY", V. Khoruzhey Str.31a Minsk 220002 tel: (375 17) 234 76 097 23478 09 tel/fax (375 17) 23478 09 e-mail: belnic@mail.belpak.by Field of assistance: management of hazardous and other waste, environmentally safe technologies, Assessment of Waste Disposal Possibilities.

**Bosnia & Herzegovina**

2003 No facilities available

**Bulgaria**

2003

*Source* 2003 Ministry of Environment and Water, Waste Management Directorate 67, "William Gladstone" Str., Sofia 1000 tel: (359-2) 940-6531/6530, fax: (359-2) 986-4848 e-mail: tzk@moew.government.bg ; mikhail@moew.government.bg

**Croatia**

2003

*Source* 2003 Information could be obtained from the Focal Point and Croatian Environmental Agency. The authorized facilities treat hazardous wastes generated in the territory of Croatia.

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Czech Republic</b>				
2003				
<i>Source 2003</i>	Statistical Environmental Yearbook of the Czech Republic, edited by the Czech Statistical Office, Ministry of Environment and Czech Environmental Institute (published annually).			
	T.G.Masaryk Water Management Research Institute, Centre for Waste Management, Podbabská 10, CZ-16000 Prague 6			
<b>Estonia</b>				
2003 AS Kunda Nordic Tsement Jaama 2 Kunda 44106 Estonia	Cement kiln, in operation	R1,R5,R11	390560	
2003 AS Eesti MetalliekspordBetooni 12, 11415 Tallinn Estonia	Handling of hazardous waste	R13		
2003 Ragn-Sells Läänemaa AsLihula mnt 20, 90510 Haapsalu Estonia	Handling of hazardous waste	R13		
2003 OÜ OJ JäätmekeskusRaba 23a, 80041 Pärnu Estonia	Handling of hazardous waste	R13		
2003 Reci Eesti ASRavi 19, 10138 Tallinn Estonia	Handling of hazardous waste	R10		
2003 AS Saarte LiinidRohu t 5, 93802 Kuressare Estonia	Handling of hazardous waste	R13		
2003 OÜ EcolaborSuur- Söjamäe 34,11415 Tallinn Estonia	Handling of hazardous waste	R2,R3,R4		
2003 AS EcropoRävala 8, 101143 Tallinn Estonia	Handling of hazardous waste	R3,R4,R5,R9, R10,R11,R13		
2003 AS EcometalEstonia pst 1, 101143 Tallinn Estonia	Handling of hazardous waste	R4, R13		
2003 AS OptirocHäädemeeste, 86601 Pärnu County	Handling of hazardous waste	R1, R5		
2003 OÜ Selodiin Mai 37-22, 80 022 Pärnu	Handling of hazardous waste	R13		
2003 OÜ Hiiu AutotransKoidu 2, Kärdla 92414 Hiiu County	Handling of hazardous waste	R13		
<i>Source 2003</i>	<a href="http://www.keskkonnainfo.ee/english">http://www.keskkonnainfo.ee/english</a>			
<b>Georgia</b>				
2003	No facilities available			
<b>Hungary</b>				
2003 Eural Kft	Recovery process for waste: B 1010	R 4	45000 t/y	Yes
2003 Dunapack Rt.	Recovery process for waste: B 3020	R 3	104036 t/y	Yes
2003 Mal Rt.	Recovery process for waste: B 1010	R 4	15000 t/y	Yes

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Latvia</b>				
2003 Lampu demerkurizācijas centrs Ltd, Kapsedes 10, LV-3400, Liepāja	Destruction of mercury-containing light bulbs, separation of mercury	R5	300 t/year	Yes
2003 JSC “Broceni”; Liepnieku 15, Broceni, Saldus rajons, LV-3851, Latvia	Use as a fuel (other than in direct incineration) or other means to generate energy.	R1	21 000 t/year	No
2003 JSC “Broceni”; Liepnieku 15, Broceni, Saldus rajons, LV-3851, Latvia	Waste oil is used as fuel in cement production.	R5	6000 t/year	No
2003 “LC”, Ltd, Pils iela 14, Rīga, Latvia, LV-1050	Use as a fuel (other than in direct incineration) or other means to generate energy- incineration of medical waste	R1	120 t/year	No
2003 “Bistamo Atkritumu Serviss”, Raina iela 28, Daugavpils, Latvia	Use as a fuel (other than in direct incineration) or other means to generate energy – incineration of waste oils	R1	715 t/year	No
2003 “Plastika”, Ltd, Jaunatnes 18, Eglaines pagasts, Daugavpils rajons, LV-5444	Use as a fuel (other than in direct incineration) or other means to generate energy.- incineration of medical waste	R1	5 t/year	No
2003 “Eko Osta”, Ltd., Tvaika 39, Rīga, LV-1034	Use as a fuel (other than in direct incineration) or other means to generate energy.	R1	5900 t/year	No
2003 “Eko Osta”, Ltd., Tvaika 39, Rīga, LV-1034	Used oil re-refining or other reuses of previously used oil – treatment of bilge waters.	R9	100 000 t/year	No
2003 Gardene, Auru pagasts, Dobeles rajons, Latvia. Operated by joint stock company BAO, Jelgavas Str., LV-1004, Rīga, Latvia	Accumulation of material intended for recovery – temporary storage of obsolete pesticides	R13	1520	No



<i>Year</i>	<i>Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003	Knava, Radapole, Vilanu pagasts, Rezeknes rajons. LV-4650, Operated by joint stock company BAO, Jelgavas Str., LV-1004, Riga, Latvia	Accumulation of material intended for recovery – temporary storage of obsolete pesticides	R13	230	No
2003	Tumes ITP Centrs, “Luikas”, Tumes pagasts, Tukuma rajons, LV-3139 Operated by joint stock company BAO, Jelgavas Str., LV-1004, Riga, Latvia	Accumulation of material intended for recovery – temporary storage of waste electric and electronic equipment	R 13	36	No
2003	“Agrotehnika”, Ltd, Isa iela 2, Kuldiga, LV-3300	Recycling/reclamation of metals and metal compounds. –collection and treatment of batteries and accumulators	R4	1000	No
2003	“Auto Starts Tirdznieciba”, O.Vaciesa 61, Riga, Latvia, LV-1004	Recycling/reclamation of metals and metal compounds. –collection and treatment of batteries and accumulators	R4	1000	No
2003	“Kuusakoski” JSC, Krustpils iela 6, Riga, LV-1073	Recycling/reclamation of metals and metal compounds. –collection and treatment of batteries and accumulators	R4	2400	No
2003	“Tranzita Terminals”Ltd., Ilzenes iela 18, Riga, LV-1005	Recycling/reclamation of metals and metal compounds. –collection and treatment of batteries and accumulators	R4	3000	No

### **Lithuania**

*Source* 2003 Ministry of Environment of the Republic of Lithuania  
<http://www.am.lt>

*Remarks* 2003 Waste Management Regulations set the order of registration of waste managers. Every enterprise engaged in waste collection, transportation, recovery and disposal activities and every enterprise commissioned by other enterprise in waste recovery and disposal, including waste import and export companies shall be registered with the Waste Managers Register. The Ministry of Environment shall administer the Waste Managers Register. The data on the waste management enterprises contained in the Waste Managers Register shall be furnished to local municipal institutions and country administrations not less than once a year. The data contained in the Waste Managers Register shall be furnished to legal or natural persons upon submitting an application stating the required information.

### **Poland**

*Source* 2003 A list of the facilities could be obtained from the Competent Authority.

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Serbia and Montenegro</b>				
<i>Remarks 2003</i> Information is not available.				
<b>Slovakia</b>				
2003 Detox s.r.o. Banska Bystrica	Regeneration of organic solvents	R2	N/A	No
2003 Mach Trade s.r.o. Sered	Treatment of lead-acid batteries (recovery of lead)	R4	N/A	No
2003 Epsol s.r.o. Bratislava	Regeneration of organic solvents	R2	N/A	No
2003 Konzeko s.r.o. Levoca	Regeneration of waste oils	R9	N/A	No
2003 Chemolak a.s. Smolenice	Regeneration of organic solvents	R2	N/A	No
2003 Skloplast a.s. Trnava	Regeneration of organic solvents	R2	N/A	No
2003 DNV-ENERGO a. s. Dubnica	Regeneration of organic solvents	R2	N/A	No
2003 Boneko Holic a.s. Holic	Regeneration of organic solvents	R2	N/A	No
2003 Arguss s.r.o. Bratislava, prev. Lok	Treatment of fluorescent tubes	R4	N/A	No
<i>Source 2003</i> Recovery facilities - database (SEA, CWEM Bratislava) www.enviro.gov.sk				
<b>Slovenia</b>				
2003				
<i>Source 2003</i> <a href="http://www.arso.gov.si/podro~cja/odpadki/podatki/predelovalci.doc">http://www.arso.gov.si/podro~cja/odpadki/podatki/predelovalci.doc</a> <a href="http://www.arso.gov.si/podro~cja/odpadki/podatki/sezig.doc">http://www.arso.gov.si/podro~cja/odpadki/podatki/sezig.doc</a>				
The data on this web site are monthly updated.				
<i>Remarks 2003</i> The facilities treat all kinds of wastes not only hazardous and other wastes. Only one facility treats imported hazardous waste: Rudnik Mezica MPI.				
<b>Ukraine</b>				
2003 Private companies "Tzil" and "Vtortzvetmet", Kharkiv city	Utilization of worked out acids and bases accumulators	R4; R6	No available	No data

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 Integrated mercury works "Nicitovskiy", town Gorlivka, Donetsk oblast	Utilization of mercury containing luminescence lamps	R4; R5	No available data	No
2003 Private company "Set-Kharkiv"	Utilization of chromium plating electrolytes	R6	No available data	No
2003 Private company "Vtormet", Kharkiv city	Utilization of ferrous metals scrap	R4	No available data	No
2003 Private company "Ukrgermet"	Utilization of non-ferrous metals scrap	R4	No available data	No
2003 Private company "Kupiansk casting works"	Moulding sand regeneration with the secondary metals extraction	R4; R5	800 tonnes a year	No
2003 Private company "Eco" jointly with Zmiyiv heat power station, Kharkiv oblast	Conversion of ash slag into brick and tile	R5	50 tonnes a year	No

*Source 2003* There are a number of such facilities in Ukraine, but the Focal Point has no available information on the subject yet.

*Remarks 2003* These data may be obtained after the inventory completion. This inventory began in 2000 in accordance with the governmental decision.

### ***UN Region: Latin America and the Caribbean***

#### **Barbados**

2003 No facilities available

#### **Bolivia**

2003 No facilities available

#### **Brazil**

*Source 2003* A detailed list of these facilities can be obtained from:

Directorate of Environmental Control of the Brazilian Institute of Environment and Renewable Natural Resources (IBAMA), SCEN Av. L4 Norte, Ed. Sede do IBAMA, Bloco C, 1º Andar, CEP 70800-200, Brasília/ DF, Tel: (55-61) 316-1566, Fax: (55-61) 316-1240, e-mail: zilda.veloso@ibama.gov.br, web site: www.ibama.gov.br

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Chile</b>				
2003 Hidronor S.A., Av. Vizcaia # 260, Santiago, tel: (56-2) 640-9364, fax: (56-2) 640-9372	Transformation of liquid residues in fuel			No
2003 Bravo Energy Chile S.A., Av. Las Industrias # 12 600, Maipú, tel: (56-2) 535-0514	Transformation of liquid residues in fuel			No
2003 Procesan S.A., Cerro El Roble No 9661, tel: (56-2) 738-6089, fax: (56-2) 747-1009	Incineration of wastes from health-care activities			No
2003 Sercoin S.C.I. Ltda., Las Acacias No 02519, San Bernardo, tel: (56-2) 528-3679, fax: (56-2) 528-2424	Solvent reclamation/regeneration			No
2003 Recycling Instruments Ltda., Cerro Santa Lucia No 9981-C, Quilicura, tel: (56-2) 747-1241, fax: (56-2) 747-1162	Solvent reclamation/regeneration and used oil re-refining			No
2003 Quimica Ecopar, Calle Eucaliptus s/n, parcela No 110, loteo No 2, Aguas Buenas, San Antonio, V Region, tel: (56-2) 535-7021, fax: (56-35) 23-1147	Solvent reclamation/regeneration			No
2003 Reciclaje Ecotrans Ltda., Santa Margarita No 0601, galpon 4-1, San Bernardo, tel (56-2) 559-9716, fax: (56-2) 548-9965	Solvent reclamation/regeneration			No
2003 Petroquimica Futuroil Ltda., Camino Lo Castro, parcela No 9, Lampa, tel: (56-2) 842-6153, fax: (56-2) 842-6277	Used oil re-refining			No
2003 Castanedo Hnos., Camino Santa Margarita, Parcela 7 Sitio 21, San Bernardo, tel: (56-2) 534-4285, fax: (56-2) 531-3224	Used oil re-refining			No
2003 Ecoworld, Cerro San Cristobal N°9350 A. Parque Industrial El Portezuelo, Quilicura, Santiago	Thermal treatment of hospital wastes.			
<b>Colombia</b>				
2003 MAC S.A.: Battery manufacturing plant for vehicles, including lead production recovered from waste batteries, Calle 10 No. 35-265, tel: (57-2) 664-4660, Cali	Lead melting (lead acids from used batteries) in rotary oven that reduces the oxide and obtains 98% pure lead.	R4	130000 bat/month	No

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 COMBUSTIBLES JUANCHITO	Recycling and commercialization of used oils (Environmental Management Plan approved by CVC)	R9		
2003 PLANTA DE ALMACENAMIENTO Y TRATAMIENTO DE ACEITE DIELECTRICO (libre de PCB) DE TRANSFORMADORES (Municipio de Candelaria – Valle del Cauca)	Recycling and commercialization of dielectric oils of transformers (Environmental License issue by the CVC).	R9		
2003 PETROTOLIMA – (Valle del Cauca)	Recycling and commercialization of used car oil, industrial oil, etc. (Environmental License issue by the CVC)	R9		
2003 ECOMAT S.A. (CORPORACIÓN CONTRUIR)	Recycling and utilization of industrial residues for the manufacture of construction materials).	R7		
2003 BOLSA DE RESIDUOS INDUSTRIALES DEL CENTRO NACIONAL DE PRODUCCIÓN MAS LIMPIA	Retail of ordinary and industrial residues	R12		
2003 BATERIAS OLPER (Cali – Valle del Cauca)	Recycling/utilization of used lead batteries (Environmental Management Plan approved by the CVC)	R4		

*Remarks 2003* There are a number of initiatives in the country for the recycling, regeneration and reuse of hazardous wastes, but the Ministry of Environment currently does not have the exact information (organizations, amounts recovered, etc).

**Costa Rica**

2003 No facilities available

**Cuba**

2003 No facilities available

**Dominica**

2003 No facilities available

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
<b>Ecuador</b>				
2003 Cementos Selva Alegre-Otavalo	Cement elaboration	R1		Yes
2003 Cementos Rocafuerte-Guayaquil	Cement elaboration	R1		Yes
2003 Incinerox-Quito	Dangerous waste treatment	R10		Yes
2003 Oxidos de Plomo Cnia.-Guayaquil	Car bateries Recycling	R4		Yes
<b>Honduras</b>				
2003 No facilities available				
<b>Mexico</b>				
2003 No facilities available				
<b>Panama</b>				
2003 Panama refinery	Refining of petroleum and its derivatives	R9		No
2003 Eco-Klean S.A.	Processing of waste oil	R9		No
2003 Derivados de Petroleo S.A.	Industry for asphalt emulsion	R1		No
2003 Procesos y Analisis Metalogicos, S.A.	Processing and analysis of metals (PB)	R4		No
2003 Cemex	Processing of used oils and plastic pesticides containers to be used as alternative fuel in cement factories	R1,R9		No
<i>Remarks 2003</i> Panama refinery is about to close down. The areas polluted by this process are being sanitized.				
<b>Peru</b>				
2003 Corporation Aceros Arequipa	Infrastructure: electric-arc furnace, ladle furnace	R4	509000.0*	Yes
2003 Tecnofil S.A:	Electric furnaces	R4	8.066	Yes

<i>Year Facility / operation</i>	<i>Description of facility / operation</i>	<i>Recovery</i>	<i>Capacity</i>	<i>Treats imports</i>
2003 Repsur	Logística de Southern Peru Copper Corporation	R4	1097000**	Yes
2003 Reactivos Mineros S.A.C	Infraestructure: electric, reactors. Reciclado de Zn y Cu, para la fabricación de sulfatos de Zn y de Cu	R4	333.74	Yes
2003 Nieto Becerra	Logística de Southern Peru Copper Corporation	R4	1097000**	Yes
2003 Laday	Logística de Southern Peru Copper Corporation	R4	1097000**	Yes
2003 AMCO PERU S.A.C.	Regeneración de aceites lubricantes usados	R9	100 000 gal	Yes

*Remarks 2003* \*Corporation Aceros Arequipa produces 290000 metric tons in steely and 219000 metric tons in lamination. This factory consumes Fe scrap.\*\*Southern Peru Copper Corporation acquires scrap iron wastes of several suppliers for the production of concentrates of copper, the indicated value corresponds to the production capacity de Southern Peru Copper Corp.

### **Trinidad and Tobago**

2003 No facilities available

*Remarks 2003* Scavenging done at landfills to recover some materials such as scrap metal e.g. lead and copper.