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#### **INTRODUCTION**

The Parties are required, in accordance with Articles 13 and 16 of the Basel Convention, to inform each other, through the Secretariat of the Basel Convention on issues related to the implementation of the Convention.

The Conference of the Parties to the Basel Convention at its fifth meeting (Basel, December 1999) mandated the Secretariat of the Basel Convention to review the existing questionnaire on "Transmission of Information" with a view to simplifying it, as appropriate, so as to facilitate reporting by Parties to the secretariat of the Basel Convention from the year 1999 onwards. It also mandated the secretariat to prepare a compilation document based on the data and information provided by Parties for the year 1999 and make it available to Parties and non-Parties (Decision V/14).

Accordingly, the Secretariat took the initiative to invite Parties to form an Informal Working Group <sup>1</sup> to review the questionnaire during the 16<sup>th</sup> session of the Technical working Group (TWG) in April 2000. Based on the comments from the Parties as well as the Group, the Secretariat prepared a draft revised questionnaire with the kind assistance from the Government of Finland. In addition, a draft Manual to assist Parties in completing the questionnaire was also prepared in all 6 UN languages (Arabic, Chinese, English, French, Russian and Spanish). These were presented to the 17<sup>th</sup> session of the TWG in October 2000 whereby it was agreed that (a) the draft revised questionnaire should be used by Parties to report information for the year 1999 onwards; and (b) to submit the revised questionnaire and its Manual to the Working Group for Implementation with a view to their adoption by the sixth meeting of the Conference of the Parties.

The simplified questionnaire for the year 1999 consists of two parts, namely, Part I: Status of Information and Part II: Annual reporting. Part I: Status of Information essentially covers those issues for which information usually provided by Parties remains the same as that reported during the previous year(s). Therefore updating is only required if there is a change in the information already provided (including necessary corrections or deletions) during the previous reporting period. In this case, it is sufficient to indicate that no updating is required as the information provided during the previous reporting is still valid and no changes are necessary. Part II: Annual reporting covers those issues for which reporting is required on an annual basis. For the ease of electronic reporting and processing of the reported data/information, Part II is divided into two sections namely Section A and Section B. Part II: Section A covers issues such as export/import hazardous wastes and other wastes and generation of hazardous wastes and other wastes. Part II: Section B provided information on disposals which did not proceed as intended and accidents occurring during the transboundary movement and disposal of hazardous wastes and other wastes.

The questionnaire was sent to Parties to report data and in formation for the year 1999 and as at 30 October 2001, 89 Parties completed the questionnaire: Albania, Andorra, Argentina, Australia, Austria, Belgium, Botswana, Brazil, Bulgaria, Cambodia, Canada, Chile, China, Colombia, Croatia, Cuba, Cyprus, Denmark, Ecuador, Egypt, El Salvador, Ethiopia, Finland, France, Gambia (The), Georgia, Germany, Guinea, Iceland, India,

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<sup>&</sup>lt;sup>1</sup> The Informal working Group was attended by Australia, Austria, Belgium, Benin, Bolivia, Brazil, Canada, Democratic Republic of Congo El Salvador, France, Germany, India, Indonesia, Japan, Norway, Senegal, Seychelles, South Africa, Switzerland, Thailand, United Kingdom, a representative of the OECD Secretariat and was Chaired by Finland.

Indonesia, Iran (Islamic Republic of), Ireland, Israel, Italy, Japan, Kiribati, Kuwait<sup>2</sup>, Kyrgyzstan, Latvia, Lesotho, Lithuania, Luxembourg, Malaysia, Maldives, Micronesia (Federated States of), Moldova, Monaco, Mongolia, Morocco, Mozambique, Namibia, Nepal, Netherlands, New Zealand, Nigeria, Norway, Oman, Panama, Papua New Guinea, Peru, Philippines, Poland, Qatar, Republic of Korea, Romania, Russian Federation, Saint Lucia, Seychelles, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sweden, Tanzania (United Republic of), Thailand, Tunisia, Turkey, Uganda, United Kingdom, Uruguay, Uzbekistan, Venezuela, Vietnam, Yemen, Yugoslavia and Zambia.

The Secretariat organized workshops through its regional centres to promote national reporting and to assist developing countries and other countries that are in need of such assistance to fulfil their reporting obligations. In connection with the reporting for the year 1999, three workshops on national reporting, two in conjunction with national inventories (Pretoria, October 2000; Montevideo, August 2001) and one with implementation of the Basel convention (Bangkok, May 2001) were conducted. These workshops considerably contributed to the increased awareness among Parties and improved reporting in terms of accuracy and completeness from the English speaking African countries (Botswana, Ethiopia, Gambia, Mozambique, Namibia, Nigeria, Seychelles, South Africa, Tanzania, Uganda and Zambia), Asian countries (Cambodia, India, Indonesia, Kiribati, Malaysia, Maldives, Papua New Guinea, Philippines, Singapore, Thailand and Vietnam) and South American countries (Argentina, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Venezuela and Uruguay).

The information provided by above Parties for the year 1999 is compiled by the secretariat and is presented in two parts, namely:

- Compilation Part I: Status of Information; National reporting under the Basel Convention (1999) (Basel Convention Series/SBC No: 01/06)
- Compilation Part II: Annual Reporting; National reporting under the Basel Convention (1999) (Basel Convention Series/SBC No: 01/06)

Part I of the compilation document includes information such as control procedure of the transboundary movement of waste; effect on human health and the environment; disposal and recovery facilities and sources of technical and financial assistance. It also provides reference to the information such as designation of competent authority and focal point; national definition of waste; national definition of hazardous waste; restrictions on transbounday movement of hazardous wastes and other wastes; reduction and/or elimination of the generation of hazardous wastes and other wastes; reduction of the amount of hazardous wastes and other wastes subject to transboundary movement; and bilateral, multilateral or regional agreements or arrangements that have been already made available in the Country Fact Sheets (CFS)<sup>3</sup> prepared by the secretariat.

Part II of the compilation document includes statistical data on generation, export and import of hazardous wastes and other wastes; disposals which did not proceed as intended; and accidents occurring during the transboundary movement and disposal of hazardous wastes and other wastes in 1999.

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Information provided is not included as the completed questionnaire was received after 15 October 2001.

Basel Convention Series: no: 01/04

While every effort is made by the secretariat to ensure that the information provided by Parties is compiled and printed error free, the amount, complexity and evolutionary nature of the information provided is such that inaccuracies might inevitably be found in the compilation documents. The secretariat will continuously strive for improving the presentation and dissemination of information, and in all cases greatly appreciate feedback from Parties regarding any correction of information printed in this document.

The secretariat acknowledges and appreciates every effort made by Parties to fulfil the reporting requirements of the Convention and look forward to the continued cooperation with Parties on this matter.

Dr. Sachiko Kuwabara-Yamamoto Executive Secretary Secretariat of the Basel Convention November 2001

# List of Parties which are yet to report for the year 1999 in accordance with articles 13 & 16 of the Basel Convention (as at 1 December 2001)

Number of Parties which were required to report for the year 1999: 133

Number of Parties which reported for the year 1999 (as at 15 October 2001): 89

Number of Parties yet to report for the year 1999 (as at 1 December 2001): 44

Africa	Asia and Pacific	Western Europe and Others	Central and Eastern Europe	Latin America and the Caribbean
Algeria Benin Burundi Comoros Côte d'Ivoire Democratic Republic of Congo Malawi Mauritania Mauritus Niger Senegal	Bahrain Bangladesh Jordan Lebanon Pakistan Saudi Arabia Syrian Arab Republic Turkmenistan United Arab Emirates	Greece Liechtenstein Portugal Switzerland	Czech Republic Estonia Hungary The Former Yugoslav Republic of Macedonia	Antigua and Barbuda Bahamas Barbados Belize Bolivia Costa Rica Dominica Guatemala Honduras Mexico Nicaragua Paraguay Saint Kitts and Nevis Saint Vincent and the Grenadines Trinidad and Tobago

# **Competent Authority and Focal Point**

Please refer to "Country Fact Sheets (CFS) 1999", Basel Convention Series: No: 01/04.

### Wastes controlled for the purpose of transboundary movement

Please refer to "Country Fact Sheets (CFS) 1999", Basel Convention Series: No: 01/04.

# Restrictions on transboundary movement of hazardous wastes and other wastes

Please refer to "Country Fact Sheets (CFS) 1999", Basel Convention Series: No: 01/04.

## Control procedure of the transboundary movement of waste

#### **ALBANIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **ANDORRA**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

Andorra is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used. Andorra uses the Harmonized System on customs control of the World Customs Organization since 1991 and it is currently preparing its accession to the Organization.

#### ARGENTINA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. Argentina has an additional Electronic System for customs control SIM (Sistema Informatico Maria). New entries for waste streams in Annex VIII and IX to the Basel Convention are being prepared.

#### **AUSTRALIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

OECD forms are also used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **AUSTRIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notific ation and Movements documents forms.

The EU Notification and Movement document forms are also used. For non-EC Countries the Basel Convention Notification and Movements document forms are accepted.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are German, English and French.

The National Waste Code, the European Waste Code and the IWI-Code have to be provided by the notification.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. Within the EU Area there is no border control anymore. There are controls within the country.

#### **BELGIUM**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

Model notification and movement/accompanying documents referred to in Council Regulation (EEC) 259/93 and adopted by Commission Decision 94/774/EEC are also used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Dutch, French, English, German and Spanish.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: those reflected in the provisions of Council Regulation (EEC) 259/93.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **BOTSWANA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Seyswana.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used. Botswana has consistently organized workshops with custom official on the principles and philosophies of the Convention.

#### **BRAZIL**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Spanish and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **BULGARIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention:

- Filled out application form;
- Copy of the bank guarantee or insurance (preferably in English);
- A declaration by the Competent Authorities of the state through which the wastes shall be transported prior to the Bulgarian border, conforming the obligations for return passage and acceptance of the cargo in case the same is not admitted into Bulgaria or in any of the subsequent states;
- A declaration by the applicant that, in case the waste is not accepted by the state of import or some of the states through which territories the transit will be performed, it shall be brought back to the state of export by it and at its expense in the same condition and quantity as has been described, within 90 days as of the moment the state of import has notified the state of export; and
- Certification by the disposer of completion of waste disposal (to be sent within 80 days of receipt of the waste).

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **CAMBODIA**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

Cambodia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

Cambodia is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### **CANADA**

In Canada, the Basel Convention Notification and Movement document forms are accepted when accompanied by Canadian Waste Notice / Transit Form, and Canadian Waste Manifest forms.

No problems have been encountered in the usage of the Notification and Movements documents forms.

The Canadian Waste Notice / Transit Form and Canadian Waste Manifest forms pursuant to the Export and Import of Hazardous Wastes Regulations (EIHWR) are used for the control of movement of hazardous waste and hazardous recyclable material as authorized through Division 8, 185 of Canadian Environmental Protection Act (CEPA).

Other forms accepted by the Canadian Competent Authority in 1999 include:

- 1. Basel Convention Notification forms (from Basel signatory countries only); and
- 2. OECD Notification forms (from OECD member countries only).

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and French.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

Canada does not use the Harmonized System (HS codes) with respect to export / import / transit of hazardous wastes and other wastes

#### **CHILE**

Chile is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

Chile is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used. The Ministry of Health and the National Custom Service are developing procedures of coordination to control more efficiently the exit and possible entry of hazardous wastes/residues into the country.

#### **CHINA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Chinese.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **COLOMBIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

In addition to the requirements listed in Annex V (A and B) of the Basel Convention, a Contingency is required to the exporter, given the potential risks. This plan needs to address activities carried out by the exporter from the point where the wastes are loaded to the exit port, in order to be prepared for an emergency.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. The National Direction of Taxes and Customs is the competent authority to carry out activities of customs control of all the merchandise that enters or leaves the country. This entity is ruled by the Harmonized System of the World Customs Organization and it relies on Customs Agents in the points of entry and exit of merchandise to and from the country.

#### **CROATIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The wastes on the List B of the Basel Convention have to be classified in accordance with Test Report data on their physical and chemical properties. Each kind of waste on the List B of the Basel Convention is hazardous if it has one or more hazardous properties specified by the Article 3/3 Roll Book on Waste, Official Gazette, No. 123/97: S:

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. Each shipment of hazardous waste has to be confirmed by the customs office.

#### **CUBA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Spanish and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **CYPRUS**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Greek.

In the case of transit, further information is needed whether there will be a need for change of ships in the port, whether the wastes will be unloaded and stored and the time between arrival and departure of the wastes in the port of the transit country.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **DENMARK**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

OECD Notification forms, including all the information set out in Council Regulation 259/93, are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Danish, all the Nordic languages, German, English and French.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention:

- Date of the notification received at the competent authority of destination;
- Date of consent to the movement provided by the competent authority of destination;
- Custom offices of entry into or departure out of EEC; and

- Date of shipment received by the consignee, quantity received, date of recovery/disposal and name and signature of the consignee.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used. Simultaneous controls are arranged in co-operation with other EU countries.

#### **ECUADOR**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. Parties do not have uniformity "in using" (NALINI?) these Notification and Movement documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Spanish and English.

In addition to the requirements listed under Annex V (A and B) of the Basel Convention, insurance is required.

Ecuador is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used.

#### **EGYPT**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### EL SALVADOR

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. The importing countries send for completion a form different from the Basel Convention Form.

El Salvador is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

El Salvador is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### **ETHIOPIA**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms will be English (it is not yet determined).

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is used. Although there is no specific legislation on the export, import or transit of hazardous wastes, the Customs Authority will not allow such transaction or movement without the prior consent of the relevant governmental agencies. The Harmonized System on customs is applicable in connection to restricted goods, such as, ozone depleting substances. Therefore, same system can be made applicable in implementing the Basel Convention.

#### **FINLAND**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

European Community notification forms (Commission Decision 94/774/EC) are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

According to the Council Regulation (EEC) No. 259/93, when waste is shipped within, into or out of the European Community the notification shall be made by using the official European Community notification forms. When waste is imported into the European Community the correct notification form is issued by the country of import. In case of transit through the European Community the notification form is issued by the last country of transit in the Community Area. The notification forms can be obtained from the competent authorities of the relevant country.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Finnish and Swedish; the Finnish Environment Institute, as the Competent Authority of Finland, also accepts documents in English.

Additional requirements to be provided on the notification:

- Waste classification in accordance with the European Community legislation;
- Copy of the contract between notifier and consignee; the contract must fulfill the obligations of the Council Regulation 259/93;
- Information on the financial guarantee to be lodged in favor of the competent authorities;
- When waste is imported for final disposal from countries that are not Members of the European Union an official request is required from the country of export, stating that it does not have or can not reasonably acquire the necessary technical capacity to dispose of the waste in an environmentally sound manner; and

- When waste is imported or exported to disposal operations D13, D 14, D15, R12 or R13 the information provided on the waste disposer shall include also information on the actual disposal facility performing the final disposal operations D1-12 or recovery operations R1-R11.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established. The Harmonized System on customs control of the World Customs Organization is used. Border control on transboundary movements of wastes is performed by the Customs authorities. Due to the Common Market regulations in the European Community, regular border controls are performed only at the external borders of the European Community. Within the European Community shipments of waste are controlled with random checks by the customs authorities and the police. Environment authorities work in co-operation with the customs, take occasionally part in border checks and give necessary expert advice.

#### **FRANCE**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. There might be some problems of coherence with the EU forms.

EU forms and OECD forms are also used/accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are French and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### GAMBIA (THE)

Gambia is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

After the adoption of the Waste Act, the elements that would need to be incorporated in the movement document will be identified and the appropriateness of the Basel Convention Notification and Movement documents determined and modified if necessary.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Gambia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

Gambia is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### **GEORGIA**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **GERMANY**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

The forms of the European Community and the OECD forms, which are slightly different from the forms of the Basel Convention, are used and accepted.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are German (import and transit) and English (transit). Other languages are possible by agreement with the respective competent authority.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: notification shall mandatorily cover any intermediary stage of the shipment from the place of dispatch to its final destination (Art. 3, Para 2 and Art. 6, Para 2, EC Waste Movement Regulation).

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **GUINEA**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is French.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **ICELAND**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English, Danish, Swedish and Norwegian.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **INDIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

Notification and Movement document forms of the Basel Convention have already been included in the Hazardous Wastes (Management and Handling) Rules, 1989 and amendments 2000.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **INDONESIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. BAPEDAL sometimes has difficulty to fill waste code for toxic and hazardous waste.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### IRAN (ISLAMIC REPUBLIC OF)

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Persian.

Transit and exact route in details are required under Annex V (B).

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

#### **IRELAND**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### ISRAEL

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Israel is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used.

#### **ITALY**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

The document forms used and/or accepted are established by Council Regulation (EEC) 259/93. Art. 42. They are similar to the Basel Convention forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English, French and Italian.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **JAPAN**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Japanese and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **KIRIBATI**

The Notification and Movement documents forms of the Basel Convention are not used the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Kiribati.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **KYRGYZSTAN**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Russian and original language of a contract.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. World Customs Organization Codes are used.

#### **LATVIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is used.

#### LESOTHO

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Lesotho is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

#### **LITHUANIA**

Lithuania is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English, Russian and Lithuanian.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established. More detailed procedure for the border control will be set by the Regulations on Waste Import, Export and Transit.

#### **LUXEMBOURG**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Luxembourgish, German, French and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **MALAYSIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Malay.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **MALDIVES**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### MICRONESIA (FEDERATED STATES OF)

The Notification and Movement documents forms of the Basel Convention are accepted in the control of transboundary movement of hazardous wastes and other wastes, however, they have never been used.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **MOLDOVA**

Moldova is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English, Russian and Romanian.

Moldova is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

Moldova is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### **MONACO**

Due to Custom Agreement with France, the custom control is managed by France.

#### **MONGOLIA**

Mongolia is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **MOROCCO**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is French.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **MOZAMBIQUE**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Portuguese and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

#### **NAMIBIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Namibia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

Namibia is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### **NEPAL**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

#### **NETHERLANDS**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

EC Document for Transfrontier Movement of Wastes is used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Dutch, English and German.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **NEW ZEALAND**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

Letters of consent/non-consent from the Competent Authority are also used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English, otherwise the contracting parties must provide for translations to be made available.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **NIGERIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

A problem has been encountered in the usage of the Notification and Movements documents forms: difficulty in filling block 15 (waste identification code) since this is yet to be developed nationally.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: information on insurance bonds and financial guarantees and proposed route of movement with justification.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. There is an alert system in the country involving all security agencies and the Environment Ministry, monitoring transboundary movement of hazardous waste.

#### **NORWAY**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

EU/OECD notification document is used in the control of transboundary movement of hazardous wastes and other wastes.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

#### **OMAN**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. After clearance and issue of the Notification Document and initial preparation and approval of the Movement Document, the final disposers are not returning the completed Movement Document. This applies to shipments made to Vietnam. Warning has been issued that if the Documents are not completed and returned as required then the approval to export to Vietnam will be terminated.

Oman Hazardous Waste License and Customs Letter of Clearance issued by the Competent Authority are also used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Arabic and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used. The Competent Authority links directly with the Police Customs Authority and all border crossings.

#### **PANAMA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

#### PAPUA NEW GUINEA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **PARAGUAY**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

Insurances and financial guarantees are required in addition to the information requirements listed under Annex V (A and B) of the Basel Convention.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **PERU**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. The procedure for the export of polychlorinated biphenyl wastes is being applied and the problem that has arisen occurs with Colombia, which is not satisfied with the information contained in these forms, requesting details of contingency plans and security. This problem has not arisen with any of the other transit countries.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

Peru is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used.

#### **PHILIPPINES**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

Philippines is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### **POLAND**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Polish and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **OATAR**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Arabic, English and any other language required by the importing or transiting countries.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

#### REPUBLIC OF KOREA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Korean and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **ROMANIA**

Romania is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes. A draft of a Governmental Decision on Control of Import, Export and Transit of Wastes is in preparation. This Governmental Decision shall introduce into the Romanian legislation the Notification and Movement document forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and French.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

Romania is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization. The border control of the import of wastes is carried out in accordance with provisions of the Governmental Decision no. 347/92 (amended as Governmental Decision no. 430/92) on import regime of any kind of dangerous waste and residues.

#### RUSSIAN FEDERATION

Russia is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Russian and English.

Russia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

Russia is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### SAINT LUCIA

Saint Lucia is in a preparatory process to use and/or accept the Notification and Movement documents forms of the Basel Convention in the control of transboundary movements of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Saint Lucia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used.

#### **SEYCHELLES**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms: when exporting waste of mixed constituents, the cost of quantifying each constituent sometimes prove to be problematic.

EU forms are also used in the control of transboundary movement of hazardous wastes and other wastes, when exporting waste to EU countries.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English (preferably) and French.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used. Good control exists for import and export. Transit is, however, difficult to control due to the vast marine territory.

#### **SINGAPORE**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The Harmonized System on customs control of the World Customs Organization is used.

#### **SLOVAKIA**

The Notification and Movement documents forms of the Basel Convention are accepted, however, national forms are used in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Slovak and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **SLOVENIA**

In Slovenia, according to the Decree on the Export, Import and Transit of Wastes, the Form A is used, which is a copy of the EU standard consignment for export. For transit and import, Slovenia accepts the Notification and Movement forms of the Basel Convention and EU standard consignment notes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English (preferably) and German.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **SOUTH AFRICA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is not used. South Africa intends to use the Harmonized System, however, the country is currently negotiating a SACD protocol that will include the Harmonization System as one of the objectives.

#### **SPAIN**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

Model notification and movement/accompanying documents referred to in Council regulation (EEC) No. 259/93 and adopted by Commission decision 94/774/EEC of 24 November 1994 are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English, French and Spanish.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: those reflected in the provisions of Council Regulation (EEC) 259/93 and in the model document of decision 94/774/EEC.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### SRI LANKA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Sri Lanka is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

#### **SWEDEN**

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

EU Forms are used in most cases. Almost all transboundary transports are between EU member states.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Swedish, English and German.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: financial guarantee according to EU Regulation 259/93, Article 27.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### TANZANIA (UNITED REPUBLIC OF)

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

#### **THAILAND**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. EC countries do not accept the Notification and Movement documents forms of the Basel Convention and they use only their own languages instead of English, which leads to misunderstandings and difficulties for the control of transboundary movement of hazardous wastes and other wastes.

Thailand also uses specific notification and permit application forms for import and export of hazardous wastes required by relevant national law.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are English and Thai (if acceptable for both contracting parties).

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### TUNISIA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

The notification form of the European Community is used and accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Arabic and, if not available, French and English.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **TURKEY**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms. In accordance with Turkish Regulation, there are notification and movement document forms similar to the Basel Convention forms. For the export of some wastes, these forms are used. However, some countries use the EC form and, for that reason, it takes long time to receive written consent from import and transit countries. Another problem is that some countries send the forms in their language instead of English.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Turkey is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used. The following is necessary for controlling the transboundary movements of waste at an appropriate level:

- The training of the custom bodies performing border control and other related controls; and
- Ensuring quick and direct flow of information between the concerned bodies.

#### UGANDA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

Forms as set out in the First Schedule, forms I to X in the National Environment (Waste Management) Regulations 1999 are also used in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention:

- Registration number and type of vehicles to transport waste (if by road); and
- Quantity of waste per vehicle to be transported.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

Uganda is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

#### UNITED KINGDOM

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

EC Notification and Movement/Tracking Forms used are those approved in Commission Decision 94/774/EC concerning the standard consignment note referred to in Council Regulation (EEC) No. 259/93.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention:

# - Notification form

Additional information requirements include: registration numbers of exporter (notifier), consignee, disposal facility and carriers where applicable, the waste identification code (EWC or IWIC), the OECD classification (where applicable), technology employed by recovery/disposal facility, total number of shipments, single or general notification, Customs Office of entry/exit into/out of the EU, number of annexes attached, and whether site is preauthorised or not.

# - Movement tracking form

Additional information requirements include: code number of recovery/disposal operation and technology employed, waste identification code, and the OECD classification (where applicable). In addition details of the financial guarantee are required although these are not required for the Environment Agency to make its decision whether to authorise the shipments under the notification.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used. The use of the Harmonized System on customs control of the World Customs Organization is optional for exports and imports from and to the United Kingdom.

## **URUGUAY**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: characterization by physico-chemical analysis.

Uruguay is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is used.

#### **UZBEKISTAN**

The Notification and Movement documents forms of the Basel Convention are not used in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Russian.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is not established.

The Harmonized System on customs control of the World Customs Organization is used.

#### **VENEZUELA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

No problems have been encountered in the usage of the Notification and Movements documents forms.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is Spanish.

Venezuela is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

The Harmonized System on customs control of the World Customs Organization is not used.

#### **VIETNAM**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Vietnamese and English.

Detailed information could be obtained from the Competent Authority.

#### YEMEN

The Notification and Movement documents forms of the Basel Convention are not used but are accepted in the control of transboundary movement of hazardous wastes and other wastes.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Arabic and English.

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention: information on insurances and financial guarantees.

The border control for the purpose of export/import/transit of hazardous wastes and other wastes is established.

The Harmonized System on customs control of the World Customs Organization is used.

# **YUGOSLAVIA**

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms:

- By the Rules on Import, Export and Transit of Wastes in the Federal Republic of Yugoslavia (1999), based on the Federal Law on the Basis of the Environmental Protection (1998), the National label/code of waste has to be written in the Notification and Movement document forms of the Basel Convention. Designated Competent Authority for Waste Characterization (Laboratory for Waste Characterization, City Public

Health Institute, Belgrade) is issuing (on the request) the document of national waste code determination in the separate, preliminary procedure. The Notification and Movement documents without National Waste code are not legally proper.

- The Notification and Movement documents have to be accompanied by the permit of the competent authority for transboundary movement. Without permit for transboundary movement the Notification and Movement document are considered as not legally proper.
- Due to the fact of no harmonized procedure for transboundary "goods" movement under the rules of the World Customs Organization, there are some problems on borders and/or with other authorities in charge of foreign trade.
- Capacities of BC Focal Point in term of number of personal working on waste issues and organizational matters are limited.

As a state of import/transit, the acceptable languages to receive the Notification and Movement document forms are Serbian (official) and English (accepted).

Information requirements in addition to those listed under Annex V (A and B) of the Basel Convention:

- The Notification and Movement document forms in the Rules on Import, Export and Transit of Wastes in the Federal Republic of Yugoslavia (1999) are in Serbian language. The forms are identical to the Basel Convention forms, with only one addition that is under the "other waste code", where YU National Waste Code has to be written; and
- The Notification and Movement documents have to be accompanied by the permit of the competent authority for transboundary waste movement.

Yugoslavia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes. Border inspection for transboundary waste movement control is formulated in Federal Law on the Basis of Environmental Protection (1998), but still not physically established.

The Harmonized System on customs control of the World Customs Organization is used.

## ZAMBIA

The Notification and Movement documents forms of the Basel Convention are used and/or accepted in the control of transboundary movement of hazardous wastes and other wastes.

Problems have been encountered in the usage of the Notification and Movements documents forms: delayed response from transit countries.

As a state of import/transit, the acceptable language to receive the Notification and Movement document forms is English.

Zambia is in a preparatory process to establish the border control for the purpose of export/import/transit of hazardous wastes and other wastes.

Zambia is in a preparatory process to use the Harmonized System on customs control of the World Customs Organization

# Reduction and/or elimination of the generation of hazardous wastes and other wastes

Please refer to "Country Fact Sheets (CFS) 1999", Basel Convention Series: No: 01/04.

# Reduction of the amount of hazardous wastes and other wastes subject to the transboundary movement

Please refer to "Country Fact Sheets (CFS) 1999", Basel Convention Series: No: 01/04.

# Effect on human health and the environment

#### **ALBANIA**

Information is not available.

#### **ANDORRA**

Studies on the effects of the generation, transportation and disposal of hazardous wastes and other wastes on human health and the environment have begun recently. In 1998, a general analysis on the "State of the Environment in Andorra" was published, and chapter V of this Study was dedicated to the problem of waste generation and treatment in Andorra. The chapter provides statistics on the types and amounts of wastes, and also on the existing solutions and the future plans for waste treatment and disposal. Although much remains to be done, and data to be collected, this study has provided the basis for an analysis in the future.

English summary of this study is available on demand from the Department of Environment.

#### ARGENTINA

There are no statistics on waste generation. However, there is a register of generators, operators and transporters subject to National Jurisdiction (this information can be found on Web Page: www. medioambiente.gov.ar).

In general most of the Argentine Provinces have no statistics or register, so there are no data for the whole country. However, there is a National Profile on human health elaborated by Ministry of Health and Social Action for OPS. Project (INTOX - OMS/OIT/PNUMA). Country additional data can be found in the Red Argentina de Toxicología (REDARTOX) (Argentine Toxicology Network).

# **AUSTRALIA**

Information may be obtained from the following websites:

http://www.ea.gov.au/

http://www.environment.act.gov.au/ie4/

http://www.search.nsw.gov.au/environment.asp

http://www.nt.gov.au/ntg/environment.shtml

http://www.env.qld.gov.au/environment/environment/legislation/epa.html

http://www.sa.gov.au/environment/protection/

http://www.service.tas.gov.au/Nav/Topic.asp?Topic=Environment%2C+land+and+water

http://www.vic.gov.au/subindex.cfm?link\_ID=14

http://www.environ.wa.gov.au/

#### **AUSTRIA**

No specific information is available. General information can be obtained from the Federal Environment Agency via the Internet: http://www.ubavie.gv.at/ reference: report state on environment.

#### **BOTSWANA**

No documented case/evidence.

#### **BRAZIL**

In depth studies concerning the contamination of soil, water, air and human exposure to hexachlorocyclihexane (lindane – HCH) due to environmentally unsound disposal of HCH wastes: Department of Science and Technology in Health (DECIT) inside the Health Policy Secretariat (SPS) of the Health Ministry (MS), address: Esplanada dos Ministérios, Bloco G, 7° andar, Sala 706 –70058-900 – Brasília, DF, phones: (55-61) 315-2852, (55-61) 315-2273, (55-61) 224-4692; fax: (55-61) 225-1167; e-mail: ciencia@saude.gov.br.

## **BELGIUM**

- The detection of genetoxic substances in the environment via the comet-test, used on plants, covering years 1995, 1996, 1997 and 1998;
- Research of the effects of the nearby waste incinerator on the health and the health-risks in Wilrijk, covering years 1997 and 1998, data only available with formal permission;
- Measurements of the emission values of dioxines of several waste incinerators, covering years 1996, 1997 and 1998, data only available with formal permission;
- Development of a measurement-network around several known sources of dioxins, covering years 1996, 1997 and 1998, data only available with formal permission;
- Development of a data bank for the observance of analysis-data of level-detection systems around waste belts and the integrated evaluation of possible pollution of the groundwaters, covering years 1997 and 1998, data only available with formal permission; and
- Research of the possible environmental effects of several waste belts, covering years 1996, 1997 and 1998, data only available with formal permission.

# BULGARIA

Information is not available.

#### CAMBODIA

Information is not available.

#### CANADA

Information on the relationship to hazardous wastes on human health and the environment can be found within recent Canadian studies including:

- Priority Substances List Assessment Report, Phenol http://www.ec.gc.ca/cceb1/eng/final/phenol\_fin\_e.pdf
- Chlorinated Substances Action Plan Progress Report 2000 http://www.ec.gc.ca/csap/csap2000/CSAP2000.pdf

- Priority Substances List Assessment Report, Carbon disulfide http://www.ec.gc.ca/cceb1/eng/final/cs2\_fin\_e.pdf
- Priority Substances List Assessment Report, Acetaldehyde http://www.ec.gc.ca/cceb1/eng/final/acetaldehyde\_fin\_e.pdf
- Priority Substances List Assessment Report, butylbenzylphthalate http://www.ec.gc.ca/cceb1/eng/final/bbp\_fin\_e.pdf
- Remedial Options Guidebook, Integrated Coastal Zone Management http://www.ns.ec.gc.ca/community/acap/pdf/remedialguidebook\_e.pdf
- A Risk Screening of National Pollutant Release Inventory Substances in the Atlantic Provinces
  - http://www.ns.ec.gc.ca/epb/air\_toxics/riskscreen98.pdf

## **COLOMBIA**

"Study over hazardous wastes in Colombia: a first step for action", elaborated by the National Planning Department and the Engineering Department of the National University of Colombia on July 1998. This study has a first overview of the issue of hazardous wastes in Colombia, the nature and volume of hazardous wastes generated in the country, etc. The full version of the document can be found in the web page of the Ministry of Environment of Colombia: www.minambiente.gov.co.

"Methodology to classify the Risk Associated to the Exposure to Cancerous agents and other Chemical Toxic Substances", elaborated by Elizabeth Anderson in 1984. This study present a methodology based on the indicators of danger defined as the general indicator of potential harm that a hazardous substance poses to humans and to the environment. This document can be found at the library of the Ministry of Health of Colombia.

"Project for the Safe Management of Residues by Health Institutions", presented by the Ministry of Health in 1997. This document refers mostly to solid wastes and identifies as the main problem for their sound management the fact that they are essentially heterogeneous, and present characteristics of high humidity and important absorption capacity. The increased use of non re-usable materials adds to the problem. The document establishes a clear connection between the risks generated by such wastes and the type of hospitals involved, taking into account their medical specificity, the occupancy rate and the coverage of their service. It refers also to the biosafety rules applied to the percentage of accidents and professional diseases due to incorrect management or procedures, and insufficient working staff. This document proposes a waste management plan that includes administrative, financial, planning and legal functions, based on the development of the generation, classification and security, collection, transportation and treatment, final disposition and advantage. As for the quantity and quality of wastes, the study refers to the results obtained at the "Pablo Tobón Uribe" Hospital. This document can be found at the Library of the Ministry of Health of Colombia.

**Article "Treatment and Disposal of Solid Industrial Wastes"**, elaborated by Martha Espitia on March 1992. This document presents the problem of wastes as for their generation, characterization, collection, storage, pre-treatment and treatment. Though it presents some indicators over the generation and characterization of hazardous wastes, these are not specific enough. This document can be found at the Documentation Center of the Colombian Security Council

**Article "Management of Hazardous Wastes in Cement Furnaces"**, written by Sandra Escobar and Diego Ramírez in 1997, and published by the Colombian Security Council. It presents the benefits of hazardous wastes treatment in the cement industry for other furnace industries. It presents a study from the Panamerican Health Organization (PAHO) with an annual calculation over the wastes generation in three different countries. It does not include the methodology used to obtain such results.

"Health and Work Evironment, a Research of Cancerous Risk Factors in Industry", made by the Corporation "Penca de Sábila" and the Social Security Institute in 1996. The research was carried out in the metropolitan area of the city of Medellin, in the city of Barranquilla and the municipality of La Soledad. It focused in the enterprises classified in risk III, IV and V, according to the Decree 1295 of 1994. A survey was achieved for 120 enterprises, followed by 40 technical visits, and the result was the determination of the exposure levels to chemical substances or wastes considered cancerous according to the International Research Agency. The document can be found at the Center of Documentation of the CENSAT.

**Seminar "Management and Disposal of Hazardous Wastes"**, organized in *Bogota* by the Ministry of Health of Colombia and the Panamerican Health Organization (PAHO) in 1996. The presentations, where, *inter alia*, *on*: disposal of solid hazardous wastes, repercussions of such wastes on health, hospitable wastes management, transportation of hazardous wastes, legal requirements over polluting reduction, processing and treatment, state emergency plans. The report of this seminar can be found at the Documentation Center of the National University of Colombia.

**Study over Hazardous Wastes in Latin America and the Caribbean, Colombia.** It includes the evaluation of the generation and management of hazardous wastes in *Bogota*, made by the National Planning Department in 1993. This study presents the hazardous wastes management in *Bogota*, involving production aspects, and treatment, administration and control systems. It also presents a management and disposal evaluation of biomedical and health-care waste.

Guide for the Management of biomedical and health-care Solid Wastes of the 'Pablo Tobón Uribe" Hospital in 1998. This guidebook includes a management plan for hospitable residues, with the purpose to reduce its risks to health and the environment. It can be found at the Library of the Ministry of Health of Colombia.

"Impact of Industrial Wastes: Worker's Health and the Environment". This was a research carried out by the CENSAT and the Social Security Institute in 1996. Ninety-six industries from *Yumbo* and *Cazuca* were involved, and the main industrial wastes, the generating spots and the possible control mechanisms could be determined by a survey. This document can be found at the Documentation Center of the CENSAT.

# As for final disposal:

An environmental permit is required in Colombia for the "Construction and operation of the management systems, treatment and final disposal of solid, industrial, domestic and hazardous wastes, of territorial entities under the jurisdiction of the Regional Autonomous Corporation that are not subject to control by virtue of treaties, convention and international protocols..." (Decree 1753 of 1994, art. 8, par. 16). This means that any person, entity or municipality that wishes to construct or operate a solid wastes (common or dangerous) disposal system, has to elaborate an environmental impact assessment. This EIA is required

to follow criteria set forth in the Basel Convention for providing information particularly on the possible effects on water, air, soil, flora and fauna, and human beings.

The main landfills in Colombia are: 1) **Doña Juana Landfill** in **Bogota**, subject to the jurisdiction of the Regional Autonomous Corporation of **Cundinamarca**- CAR; 2) The **Curva de Rodas Landfill** in **Medellin**, subject to the jurisdiction of the regional environmental entity in **Antioquia**. These two regional environmental entities have direct access to the information related to studies, statistics, monitoring, etc, of the landfill

#### CROATIA

Information can be obtained from the Ministry of Health, Ksaver 200/a, 10000 Zagreb.

#### **CUBA**

None.

## **CYPRUS**

Information is not available.

#### DENMARK

The Danish policy is based on prevention of exposure and the use of limit values.

Among other things, the policy is based on risk assessments on chemicals and material stream analysis.

The mass flow analysis on numerous substances can be found on the Danish EPA homepage (www.mst/homepage.dk) but unfortunately most of them are in Danish but all of them will have an English summary.

#### **ECUADOR**

Research about the effects of the generation, transportation and disposal of clinical wastes on human health and the environment by Fundacion Natura, Av. República 481 y Almagro, Quito – Ecuador, (593 2) 503391, e-mail: natura@fnatura.org.ec.

## EL SALVADOR

Information is not available.

# **FINLAND**

The requirements for the monitoring of e.g. the emissions and effects of industrial facilities (including waste disposal and recovery facilities) are specified case-by-case in the environmental permits granted for such facilities. With regard to landfills, for example, the monitoring shall include at least monitoring of quantity and quality of landfill water and surface water, quality and level of groundwater, and accumulation and migration of landfill gas. The monitoring reports are provided to the supervisory authorities.

There are no specific national statistics etc. available on the effects of hazardous wastes on human health and the environment. However, in the Finnish environmental administration, there are some 40 national environmental monitoring programmes in operation concerning, for example, emissions and discharges to the environment, state of the environment (air, water courses, groundwater, soil), generation and management of wastes and hazardous wastes, use of chemicals, natural resources, and biodiversity. The health of the Finnish population is also regularly monitored by the health authorities (see e.g. www.ktl.fi).

#### FRANCE

Information can be obtained from (33-1) 4219-1555 (Ms. Le Mouellic).

# GAMBIA (THE)

Information is not available.

#### **GERMANY**

Germany has established several long-term programs, which are also used for monitoring the effects of waste management on human health and the environment, e.g.:

- The German Environmental Survey (GerES) is a large scale population study which has repeatedly been carried out in Germany. The main goal of the survey is to analyze and document the extent, distribution and determinants of the exposure of the German population to environmental pollutants.
- The Environmental Specimen Bank with environmental and human organ specimens as an instrument for monitoring the effectiveness of legal environmental regulations and as an archive for retrospective monitoring
- Besides, there are monitoring programs carried out by the Bundesländer (German Federal States), e.g. Permanent Soil Monitoring Sites in Bayern (Bavaria), Baden-Württemberg, Brandenburg, Niedersachsen (Lower Saxony); Waste Analyzes Data Base in Nordrhein-Westfalen (Northrhine-Westphalia).

There are also smaller studies on items such as:

- Emission of hazardous substances from
  - waste incineration plants (e.g. dioxins (older studies))
  - composting plants (e.g. bacteria, fungi, disturbances by smell)
  - old landfills
- Effects on the Environment from
  - land treatment with sewage sludge
  - land treatment with de-inking sludge

For further Information: http://www.umweltbundesamt.de.

## **INDIA**

Studies have been undertaken by some institutions and reports are awaited. Ministry also sponsors studies on the environmental health consequences which includes the hazardous wastes.

#### INDONESIA

Chronic toxicity study of hazardous waste and chemical substance by Center of Environmental Study.

Simulation program of the "mobility and exposure" of organic chemical substance on the environment.

## IRAN (ISLAMIC REPUBLIC OF)

No report has been received yet.

# **IRELAND**

- Report of the Investigation into the Presence and Influence of Lead in the Silvermines Area of County Tipperary. Department of Agriculture, Food and Rural Development, 2000. Available from www.irlgov.ie;

- Inventory and tracking of dangerous substances used in Ireland and development of measures to reduce their emissions/losses to the environment. To be published by EPA in 2001, available form EPA Publications (www.epa.ie);
- Endocrine disrupting substances in the Irish aquatic environment (2000-MS-2-M1) Research project commenced in 2000. Final report, when available, from EPA Publications (www.epa.ie);
- Methodology for assessment of hazardous waste disposal sites (2000-MS-12-M1) Resercah project commencerd in 2000. Final report, when available, from EPA Publications (www.epa.ie); and
- Inventory on dioxin and furan emissions (2000-DS-2M1) Desk study commenced in 2000. Final report, when available, from EPA Publications (www.epa.ie).

#### **JAPAN**

Information is not available.

## **KYRGYZSTAN**

Information can be obtained from the scientific institution "Quarantine medicine" under Ministry of Health Care, phone: (996-312) 54-4578, fax: (996-312) 22-3276.

# **MALDIVES**

None.

# MICRONESIA (FEDERATED STATES OF)

Blood-Lead Study in Yap State and Kosrae State (January/February 2000).

## MONGOLIA

Information is not available.

#### MOROCCO

Statistics are not yet carried out.

# **MOZAMBIQUE**

The amount of hazardous wastes generated is low. Therefore, the effect of hazardous wastes on human health and environment is difficult to assess. However, the wastes may have some effect on health and environment due to poor management of waste such as landfills that are operated not in fully environmentally sound manner.

# **NAMIBIA**

State of Environment Report.

#### **NEPAL**

- The Occupational Health and Safety Centre carries research and promotes, through several media, better working environment in industries; and
- Labor Act safeguards the occupational health of the employees.

## **NEW ZEALAND**

The Ministry for the Environment currently is developing a national indicators programme to monitor the health of the New Zealand Environment. Indicators for hazardous waste have been confirmed and initial collection of information using these indicators is underway.

#### **NIGERIA**

Detailed statistics yet to be compiled.

#### **NORWAY**

Information is not available.

#### **OMAN**

Information is not available.

## **PERU**

There are no identified effects such as illness resulting from exposure to hazardous wastes during the generation, transport and disposal of wastes; however, where accidents have occurred, cases of acute poisoning, generally as a result of exposure to chemical wastes, have been identified as consequences. Example: spillage of mercury, pesticide residues, etc.

Below is a table with the events that have occurred in Peru. Some parameters requested are highlighted:

Activities	Region	Waste (type)	Identified health and Environmental
			impacts
Mining	Highlands	Mercury	251 persons suffered acute poisoning by
	Department:		metallic mercury and were treated.
	Cajamarca		
	Locality:		
	Choropampa		
Storage of ore	Lima - Callao	Lead	Population affected: Children aged
concentrates		particulate	between 6 months and 10 years. This
		matter	population of children was identified with
			values above the permissible limit
			[illegible]. Some 1,000 families affected.

## ROMANIA

Information is not available.

# **SEYCHELLES**

No study has been conducted yet.

## SLOVAKIA

Information can be found in:

- Statistical Yearbook of the Slovak Republic, national, annual, Statistical Office of the Slovak Republic; and
- Report on Status of Environment of the Slovak Republic, national, annual, Ministry of Environment of the Slovak Republic.

#### **SLOVENIA**

Information is not available.

#### **SPAIN**

Information is not available.

#### SRI LANKA

At present data is being collected.

#### **SWEDEN**

Information is not available.

#### TANZANIA (UNITED REPUBLIC OF)

At present there is no information available on such studies.

## **TUNISIA**

None.

## **UGANDA**

A study was recently done to evaluate the effects of a major landfill site (near Kampala) on the surface waters and soil quality.

#### UNITED KINGDOM

- The EUROHAZCON study of congenital malformations in populations living near landfill sites in Europe the study considered residents living within 7km of hazardous waste landfill sites. The report of the study, published in 1998, indicated that more research was needed on the relations hip between congenital anomaly and landfill sites;
- Small Area Health Statistics Unit (SAHSU) epidemiological study on health effects in human populations living close to landfill sites in the UK this looks at data from 1982-1996 on residents living within 2km of landfill sites. The report is due in 2001.An outline of the study design can be found at http://www.doh.gov.uk/envchemh.htm;
- Statement by the Committee on Carcinogenicity of Chemicals and Food, Consumer Products and the Environment (COC) entitled 'Cancer incidence near municipal solid waste incinerators in Great Britain'. This is a review of a SAHSU epidemiology study investigating cancer incidence or mortality amongst individuals living in proximity to municipal solid waste incinerators in Great Britain. More information on this and other relevant studies can be obtained from http://www.doh.gov.uk/envchemh.htm; www.doh.gov.uk/coc.htm and www.doh.gov.uk/comeap/index.htm;
- An investigation undertaken around the Nant-y-Gwyddon landfill site in Wales by Fielder and co workers was published in 2000. The study compared congenital abnormalities in a potentially 'exposed' population living close to the site compared with those living further away, both in the years preceding and following the opening of the site. The authors concluded that the area surrounding the landfill site had an increased rate of reported congenital malformations, which predated the opening of the landfill and also that further studies of the reproductive risk in such communities are needed to examine the safety of waste disposal sites; and
- A study published in 2000 by Knox considered childhood cancer deaths in relation to residence close to municipal solid waste incinerators in the UK. However as the study relates to possible exposures between 1937 and 1980 it is therefore mainly of historical interest. Incinerators now meet stringent emission standards and most of the incinerators considered in the study have now closed.

#### **URUGUAY**

None.

#### **UZBEKISTAN**

National Plan of Environmental Sanitary of the Republic of Uzbekistan was developed and adopted in December 1999.

## VENEZUELA

Information is not available.

#### **VIETNAM**

Relevant information can be obtained from the Focal Point (National Environment Agency, www.nea.gov.vn), www.moste.gov.vn and www.moh.gov.vn.

#### YUGOSLAVIA

The enormous destruction of chemical and power generators and their bombing, was reflected on the quality of the environment. The long-term consequences for the environment in Yugoslavia cannot be fully understood and evaluated at this moment, but it can be said even now that owing to the appearance of slowly decaying hazardous substances such as organochlorine compounds (PCBs, PCDD/PCDFs, EDC and others) and heavy metals (lead and mercury), that there has been a considerable rise in the danger to the plant and animal world and human health in this area. Continuous monitoring, testing and determination of long-term consequences of bombing on the environment and human health in the most endangered parts of Yugoslavia and the region is set up as the priority measure (Federal Government Recommendation, April 2000). Some information on immediate consequences are in publication "The Environment and Health Consequences of NATO Aggression on Yugoslavia (1999)", Proc. 17<sup>th</sup> Conference on the occasion of the 99 Days of Institute, Institute of Public Health and Serbian Chemical Society, Belgrade, Yugoslavia.

# ZAMBIA

- Effect of lead/cadmium on residents of Kabwe town from mining operations of lead/zinc mine (University of Zambia) 1995, Professor Cornak, Chemistry Department/UNZA, Box 32379, Lusaka; and
- Effect of disposal activities at Libala disposal site on the underground water of Lusaka (ECZ/CIDA) 1999.

# Bilateral, Multilateral or Regional Agreements or Arrangements

Please refer to "Country Fact Sheets (CFS) 1999", Basel Convention Series: No: 01/04.

# Disposal facilities operated within the national jurisdiction

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
ALBANIA  Nitrate Fertilizers Plan in Fier	Storage tanks	D12	800m <sup>3</sup>	No
Ministry of Public Economy and Privatization		D12	80	No
		D10	108 kg/h	No
ANDORRA  Landfills of Juberri, Maià, Encodina and Tunels de la Massana	Landfill	D1	Data not available	No
Incineration Plant of the Comella	Incineration Plant	D10	37000	No

# **ARGENTINA**

Information could be obtained from: www.medioambiente.gov.ar.

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No

## **AUSTRALIA**

Information could be obtained from:

http://www.ea.gov.au/

http://www.environment.act.gov.au/ie4/

http://www.search.nsw.gov.au/environment.asp

http://www.nt.gov.au/ntg/environment.shtml

http://www.env.qld.gov.au/environment/environment/legislation/epa.html

http://www.sa.gov.au/environment/protection/

http://www.service.tas.gov.au/Nav/Topic.asp?Topic=Environment%2C+land+and+water

http://www.vic.gov.au/subindex.cfm?link\_ID=14

http://www.environ.wa.gov.au/

## **AUSTRIA**

Information could be obtained from:

Federal Environment Agency, A-1090 Spittelauer Lände 5, Vienna or via the Internet:

http://www.ubavie.gv.at/umweltsituation/abfall/gabfall/toc.htm where a register of all licensed disposer can be found and

http://www.ubavie.gv.at/umweltregister/abfallwirt\_anlagendb/toc.htm where a data base of the existing disposal facilities is available.

## **BELGIUM**

Information could be obtained from:

OVAM, Afdeling Afvalstoffenbeheer, Kan. De Deckerstraat 22-26, 2800 Mechelenh, tel (32-15) 28-4312, fax (32-15) 43-2664, e-mail: els.de.picker@ovam.be, website: www.ovam.be

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
BOTSWANA  Local clinical waste incinerators	Total incineration		Various (up to 200 kg/h	No
Landfill (local)	Dedicated landfill cell for restricted disposal		Undetermin ed	No

Landfill developing guidelines exist and are fully operational.

# **BRAZIL**

There are several licensed landfills, both for urban and common wastes and hazardous and industrial wastes, and also licensed incineration facilities. Information could be obtained from:

Directorade of Environmental Control of the Brazilian Institute of Environment and Renewable Natural Resources (Directoria de Controle Ambiental do Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis-IBAMA), SAIN Av. L4 Norte, Ed. Sede do IBAMA, Bloco C, 1º Andar, ZIP 70800-200, Brasília, DF, tel: (55-61) 316-1282, fax: (55-61) 225-0564, e-mail: fzilda@sede.ibama.gov.br

# **BULGARIA**

A project for Establishment of the National Hazardous Waste Treatment Centre is under preparation. The import of all types of waste in Bulgaria intended to be stored, landfilled, or disposed of is prohibited.

# **CAMBODIA**

None.

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the	
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat	İ
		(Annex	(in metric	wastes	İ
		IVA)	tonnes)	imported	
		D code		Yes/No	

# **CANADA**

In Canada, disposal facilities are monitored and regulated by provincial and territorial governments.

#### Alberta

Alberta Environment, Industrial Waste & Wastewater Branch, Oxford Place, 9820 - 106<sup>th</sup> Street, Edmonton, Alberta, T5K 2J6, (1-403) 427-7617

## **British Columbia**

B.C. Ministry of Environment, Lands & Parks, PO Box 9342 Stn. Prov Govt. Victoria, British Columbia, V8W 9M1, (1-604) 387-2049

#### Manitoba

Manitoba Department of the Environment, Assessments and Approvals Branch, 123 Main Street, suite 160, Winnipeg, Manitoba, R3C 1A5, (1-204) 945-7094

#### Ontario

Waste Management Branch, Ontario Ministry of the Environment & Energy, 135 St. Clair Avenue West 7th Floor, Toronto, Ontario, M4V 1M2, (1-416) 325-4440

#### New Brunswick

Department of the Environment, Assessments and Approvals Branch, P.O. Box 6000, 20 McGloin Street, Fredericton, New Brunswick, E3B 5H1, (1-506) 453-3827

# **Prince Edward Island**

Department of the Environment, P.O. Box 2000, 11 Kent Street, Charlottetown, P.E.I., C1A 7N8, (1-902) 368-5037

# Newfoundland

Dept. of Environment and Labour, Confederation Building (West Block), P.O. Box 8700, St. John's, Newfoundland, A1B 4J6, (1-709) 729-5793

# Québec

Guidance and Research Services Directorate, Ministry of the Environment, 675 René Lévesque Boulevard Est, 29<sup>th</sup> Floor, P.O. Box 95, Québec, Qc, G1R 5V7, (1-418) 521-3899

# **Northwest Territories**

Environmental Protection Division, Resources, Wildlife & Economic Development, P.O. Box 21 Scotia Centre, 600, 5105-50<sup>th</sup> Ave., Yellowknife, N.W.T., X1A 3S8, (1-403) 873-7178

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the	
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat	
		(Annex	(in metric	wastes	
		IVA)	tonnes)	imported	
		D code		Yes/No	
Saskatchewan Pollution Prevention and Management Unit, Environment & Resource Management, Saskatchewan Environment & Public Safety, 3211 Albert Street, Regina, Saskatchewan, S4S 5W6, (1-306) 787-9301					
	x Resource Management, Saskatchewan Environmen	it & Fublic Safety	, 3211 7 HOCH Su		

# Yukon

Yukon Territorial Government, Renewable Resources R-8, P.O. Box 2703, Whitehorse, Yukon, Y1A 2C6, (1-403) 667-3436

CHILE  Hidronor S.A., Av. Vizcaia #260, Santiago, tel (56-2) 640-9364, fax (56-2) 640-9372	Treatment and disposal of hazardous wastes			No
CHINA Shenzhen hazardous waste landfill site			200000	No
Shenyang hazardous waste landfill site			200000	No
Dailian hazardous waste landfill site			20000	No
Shenyang PCB incinerator plant			20 tons/day	No
COLOMBIA  Executive Unit for Public Utilities, Cra. 30 No. 24-90 piso 13 - Tel. (571) 2445414, Bogota	Security Cell for Hospitable Wastes of Doña Juana Landfill, Bogota	D1	15 mt/day	No

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No

The Executive Unit of Public Utilities will carry out a public offer in 2002, for the design and construction of a hazardous wastes cell in Bogota.

# **CROATIA**

Information could be obtained from the Focal Point. The authorized facilities treat hazardous wastes generated in the territory of Croatia.

# **DENMARK**

Information could be obtained from:

Waste Base by the European Topic Center on Waste; www.etc-waste.int and the annual Danish Waste Statistics; www.mst/homepage.dk and search for publications.

ECUADOR		D1	20000	No
Landfill operated by Guayaquil Municipality,	Deposit into land			
Relleno Sanitario Las Iguanas Guayaquil - Ecuador				

# **EGYPT**

There is a secure landfill under construction for industrial hazardous wastes in Alexandria.

Sterilization utility for clinical wastes with a landfill site has been established and operated in Cairo.

Small secure landfill for special waste resulting from a chemical plant in Alexandria (mercury contaminated soil) has been established and fully occupied.

Preparation phase for some cells in the sanitary landfills in Cairo that are to be utilized for hazardous waste disposal.

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No
EL SALVADOR  San Salvador Metropolitan Area Landfill, in Nejapa	Compartments for the disposal of domestic solid waste, pre-treatment autoclave [for] infectious biological wastes	D5	547500	No

# **FINLAND**

There are several facilities licensed to operate on hazardous waste disposal. A detailed list of these facilities can be obtained from: Ministry of the Environment, P.O. Box 380, FIN-00131 Helsinki (the Focal Point of the Basel Convention).

# **FRANCE**

Information could be obtained from: ADEME (Agence de l'Environnement et de la Maitrise de l'Energie); 2 square Lafayette, BP 406, 49004, Angers Cedex.

# **GAMBIA (THE)**

None.

GERMANY	D10	35000 t/a	No
BASF Schwarzheide GmbH, Schipkauer Str. 1			
D-01987 Schwarzheide			
Feuerfestwerk Wetro GmbH, Siedlung 13 -22	D1		Yes
D-02699 Wetro	Di		103
E.S.T. Entsorgungsanlage GmbH, Zweite Allee D-02929 Steinbach	D10		Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Broerius Abfallwirtschaft Sachsen GmbH, Werkstr. 1, D-04564 Böhlen		D10		
LOBBE GmbH & Co, Mölbizer Landstr. D-04579 Espenheim		D9		
Bodenreinigungsanlage, AB Umwetltechnik D-06869 Coswig	Soil treatment facility	D9		
ASD - Asbestdeponie GmbH Thüringen Gebindstr. 2, D-07586 Caaschwitz	landfill for asbestos	D1	259000 m³	Yes
Muldenhütten Recycling und Umwelttechnik GmbH, Flurstück 401/17 D-09627 Hilbersdorf/Muldenhütten		D10		
Märkische Entsorgungsanlagen Betriebsgesellschaft mbH (MEAB), Tschudistr. 1 D-14476 Neu Fahrland		D1	65000 t/a	No
Gesellschaft für Abfallaufbereitung mbH Schlaher Damm 5, D-27245 Barenburg		D10	80000 t/a	No
PCK Raffinerie GmbH Passower Chaussee 11, D-16303 Schwedt		D10	24000 t/a	No
Nammo Buck GmbH Industrie- und Gewerbegebiet 1, D-16278 Pinnow	Incineration of explosive substances	D10	6700 t/a	Yes
Nehlsen GmbH & Co. KG Zum Ölhafen, D-18147 Rostock	Treatment of ballast water	D9, R9, R12	44000 t/a	
DOW Deutschland Inc. Postfach 1120, D-21677 Stade		D10		
AVG Hamburg Borsigstr. 2, D-22113 Hamburg		D10		Yes
GBS mbH, Zum Gutshof, D-23847 Groß Weeden		D1	311000 m³	No

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported
		D code		Yes/No
Ihlenberger Abfallentsorgungs-GmbH (IAG) Ihlenberg 1, D-23923 Selmsdorf		D1, D5		Yes
Sonderabfallverbrennungsanlagen GmbH (SAVA) Ostertweute, D -25541 Brunsbüttel	Incineration or use as fuel	D10, R1	45000 t/a	Yes
Bayer AG Werk Brunsbüttel	Incineration or use as fuel	D10, R1	27000 t/a	Yes
Fährstr. 45, D-25541 Brunsbüttel	Waste water treatment, ammonia recovery	D9,R5	250000 t/a	No
Bremerhavener Entsorgungsgesellschaft mbH Zur Hexenbrücke 16, D-27580 Bremerhaven		D1		
Zipfel GmbH & Co KG Adam-Smith-Str. 3-5, D-28307 Bremen		D9		
Rolf Märtens GmbH & Co KG Strotthofkai 18, D-28309 Bremen		D9		
C.F. Plump Gewässerschutz GmbH Louis-Krages-Str. 10, D-28237 Bremen		D9		Yes
Niedersächsische Sonderabfalldeponie Hoheneggelsen GmbH Ziegeleiweg 1, D-31185 Söhlde		D1		Yes
Mineralölraffinerie Dollbergen GmbH Bahnhofstr. 82, D-31311 Uetze-Dollbergen		D9, D15, R9		Yes
Volkswagen AG Postfach 1451, D-34219 Baunatal		D1	547000 m³	No
Sonderabfallverbrennungsanlage Marburg Emil von Behring-Str. 76, D-35041 Marburg		D10		
K+S AG Postfach 1161, D-36262 Heringen		D12		Yes
Salzgitter Pyrolyse GmbH Eisenhüttenstr. 99, D-38239 Salzgitter		D9		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Untertagedeponie Zielitz, Kali und Salz GmbH, Werk Zielitz, D-39326 Zielitz		D12		
ZDH-GmbH; c/o Trienekens GmbH Erkrather Landstr. 1, D-40474 Düsseldorf		D1		
BAD GmbH Max-Planck-Ring 20, D-40764 Langenfeld		D9		
Gruba GmbH Jakobshöhe 15, D-41066 Mönchengladbach		D9		
Trienekens AG, Am Sandwerk, D-41517 Grevenbroich-Neuenhausen		D1		Yes
Bayer AG Konrad-Schlauen-Str. 34, D-41538 Dormagen		D10		Yes
Abfallbetrieb des Kreises Viersen Hindenburgstr. 160, D-41749 Viersen		D1		
BAD GmbH Mettmanner Str. 89, D-42115 Wuppertal		D9		
EUG mbH Siemensstr. 9a, D-42781 Haan		D9		
Leuchtstofflampen-Verwertungs-GmbH (LVG) Alte Landstr. 4, D-45329 Essen		D9, R4		Yes
INDAWATEC GmbH Kreisstr. 24, D-45525 Hattingen		D9		
AGR mbH Im Emscherbruch 11, D-45699 Herten		D10		Yes
Infracor GmbH Paul-Baumann-Str. 1, D-45764 Marl		D10		Yes
AGR mbH Wiedehopfstr. 30, D-45892 Gelsenkirchen		D1		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Mineral plus GmbH Stollenstr. 12 – 16, D-45966 Gladbeck		D9		Yes
Hydro Chemicals Deutschland GmbH Buschhausener Str. 153, D-46049 Oberhausen		D9, R4		Yes
H. Becker GmbH Brakerstr. 74, D-46238 Bottrop		D9		
AGR mbH Waldaustr., D-46514 Schermbek		D1, D5		Yes
DK Recycling und Roheisen GmbH Westhauser Str. 182, D-47053 Duisburg		D9		Yes
Baufeld Mineralölraffinerie GmbH & Co. KG Krabbenkamp 11, D-47138 Duisburg		D9, R9		Yes
BAD GmbH Hülsermannshof 19 – 21, D-47179 Duisburg		D9		
Eyller Berg Abfallbeseitigungs GmbH Am Eyller-Berg, D-47475 Kamp-Lintfort		D1		Yes
KS-Recycling GmbH & Co KG Raiffeisenstr. 38, D-47665 Sonsbeck		D9, R2, R9		Yes
BASF Coatings AG Glasuritstr. 1, D-48165 Münster		D10, R1		Yes
Buchen Umweltservice GmbH Kanalstr. 71, D-48432 Rheine		D9, D13, D14, D15		Yes
GMU Gesellschaft für Materialrückgewinnung und Umweltschutz mbH Weiner 302, D-48607 Ochtrup		D1		
Thermische Rückstandsverwertung GmbH & Co. KG, Rodenkirchnerstr., D-50389 Wesseling		D10		Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Bayer AG, Bayerwerk, D-51373 Leverkusen		D1, D10, R6		Yes
Dürene r Deponiegesellschaft Horrem Pfarrer-Pleus-Str. 46, D-52393 Hürtgenwald		D1		
Lindenschmidt KG Umwelttechnik Krombacherstr. 42-46, D-57223 Kreuztal		D9		Yes
Lobbe GmbH & Co. Friedrich-Kaiser-Str. 13, D-58638 Iserlohn		D9		Yes
Schering AG Ernst-Schering-Str. 14, D-59192 Bergkamen		D10		Yes
Hoechst Trevira GmbH & Co. KG Mainstr. 169, D-63075 Offenbach		D10		No
Bodenreinigungsanlage BRANI D-63263 Neu-Isenburg	Soil treatment	D9		No
Hessische Industriemüll GmbH (HIM) Otto-Hahn-Str. 1, D-64587 Biebesheim am Rhein		D10	99000 t/a	Yes
InfraServ GmbH & Co. Höchst KG Blockfeld E 300, D-65926 Frankfurt/Main	Incineration or use as fuel	D10, R1	46000 t/a	No
Hoechst Trevira GmbH & Co. KG Mainstr. 169, D-63075 Offenbach		D10		No
Bodenreingungsanlage BRANI 63263 Neu-Isenburg		D9		No
BASF AG Carl-Bosch-Str. 38 , D-67063 Ludwigshafen		D10		Yes
GSB mbH Postfach 54, D-67258 Heßheim		D1		
FKM Buster Altöl- und Reststoffentsorgung GmbH Holländer Str. 18, D-68219 Mannheim		D9	30000 t/a	No

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No
HIM GmbH		D1	480000 m³	No
Am Mittelkai 34, D-70329 Stuttgart		D9, D14	30000 t/a	No
Südwestdeutsche Salzwerke AG		D9	140000 t/a	Yes
Salzgrund 67, D-74076 Heilbronn		D12	9000000 m³	Yes
Ciba GmbH		D9	95000 t/a	Yes
Köchlinstr. 1, D-79639 Grenzach-Wyhlen		D9	93000 Va	168
GSB - Sonderabfallentsorgung Bayern GmbH		D 5	650000 m³	Yes
Äußerer Ring 50,		D 9	300000 t/a	Yes
D-85107 Ebenhausen		D10	130000 t/a	Yes
SUC Entsorgung GmbH		D9, R3, R5	75000 t/a	No
Gothaer Str. 39/40, D-99885 Ohrdruf		D9, K3, K3		NO
	of hazardous waste are in operation. Only selected m	ajor facilities a	re listed to pre	sent a concise
overview of these facilities. However, additional informat	tion is available on request from the focal point.			
ICELAND				
		D10		No
Sementsverksmiðjan hf. v/Mánabraut	Cement factory			
IS-300 Akranes				
INDONESIA				
DE DOLLAR 1 W. C. T. C. C. C. C. C.	Treatment and disposal of hazardous waste:	D.5		N
PT. PPLI (Hazardous Waste Treatment Center), Jl.	specially engineered landfills (e.g. placement into	D5		No
Raya Narogong, Desa Nambo, P.O. Box 18,	lined concrete cells which are capped and isolated			
Cileungsi – Bogor, tel: (62-21) 867-4042, fax: (62-	from one another and the environment);			
21) 867-4043	stabilization/solidification; and incineration.			

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No

# IRAN (ISLAMIC REPUBLIC OF)

There are some disposal facilities for country wastes which have been operated according to the different conditions of the areas within the national jurisdiction of Iran.

IRELAND  Dempsey Drums Ltd, Lower Oriel Street, Dublin 1	Reconditioning and recycling of steel and plastic drums and containers	D15	10000	
Pipe and Drain Services, Sheriff Street, Dublin 1	Separation of components of oily sludges and ink cartridges	D4, D9, D13, D14, D15		
Returnbatt Ltd, Kildare Enterprise Centre, Melitta Road, Kildare	Separation of components of lead acid batteries, storage of other batteries	D15	7000	
Shannon Environmental Services, Smithstown Industrial Estate, Shannon, Co. Clare	Storage and processing of industrial and commercial chemical and other waste	D8, D9, D13, D14, D15	34000	
Southern Health Board, Cork University Hospital, Cork	Disposal of healthcare risk waste	D9		
Sterile Technologies Ireland Ltd, 430 Beech Road, Western Industrial Estate, Dublin 12	Disposal of healthcare risk waste	D9, D14, D15	7500	
EcoSafe Systems Ltd, Unit 1 Allied Industrial Estate, Kylemore Road, Ballyfermot, Dublin 10	Disposal of healthcare risk waste	D9		
Irish Environmental Services, 520 Beech Road, Western Industrial Estate, Dublin 12	Storage of hazardous waste/transfer station	D9, D15	3440	
MinChem Chemicals, Tolka Quay Road, Dublin 1	Storage of hazardous waste/transfer station	D14, D15		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation	Disposal operation	Capacity of the facility	Does the facility treat
(Ivame, address, organization/company, etc.)	or process	(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code	·	Yes/No
Safety Kleen Ireland, Unit 5, Airton Road, Tallaght, Dublin 24	Storage of hazardous waste/transfer station	D15		
Safeway Warehousing, Corrin, Fermoy, Co. Cork	Storage and processing of hazardous waste/transfer station	D9, D13, D14, D15	33150	
ISRAEL  Environmental Services Company Ltd., Ramat Hovav) P.O.B. 5743, Beer-Sheva 84156, Israel; Tel.: 972-8-6503700; Web site: www.enviroservices.co.il; E-mail: esc@zahav.net.il	Treatment of hazardous wastes by Best Available Technology	D1 D4 D5 D9 D14 D15		No
Ecosol, Ramat Hovav	Incinerator for hazardous wastes	D10 D13 D14 D15	18,000 ton/year	No
Lapidot, Helez	Deep Well Injection (used caustic soda from oil refineries)	D3	9,000 tons/year	No

# **JAPAN**

Information is not available.

# **KYRGYZSTAN**

At present, there are 41 disposal facilities throughout Kyrgyzstan: 12 basic facilities for temporary disposal, 3 ladfilling facilities and 26 organized depots. All necessary information can be obtained from National Statistics Committee.

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No
LATVIA				
Gardene, Auru pagasts, Dobeles rajons Operated by joint stock company BAO, Grecinieku	Temporary storage of obsolete pesticides	D15	1500	No
Str. 9, Riga				
LESOTHO				
Maseru. City Council. Maseru.100	Legal Dump Site			
Welcome transport. Maseru.100				

# LITHUANIA

Information is not available.

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.

LUXEMBOURG		D9	Yes
Lamesch Exploitation S.A. Z.I. Wolser Nord	Chemical-Physical Treatment plant		
L-3225 Bettembourg			

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No
	Secure landfill	D5	1500000	
MALAYSIA	Physical chemical treatment	D9	5000	
WALATSIA	Incineration	D10	30000	
Kualiti Alam Sdn Bld, Port Dickson, N. Senbilan	Storage	D15	80000	
Ruditi 7 Hairi Sair Bid, 1 oft Bickson, 14. Schollan	Stabilization	D13	600	
Trienekens Waste Management, Sdn. Bld, Sarawak	Storage	D15	10000	

The complete list is available upon request from the Competent Authority or www.jas.sains.my  $\frac{1}{2} \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right)$ 

# **MALDIVES**

None.

# MICRONESIA (FEDERATED STATES OF)

Micronesia has 4 public landfills (1 per State) for solid waste generated locally. Special wastes (auto batteries, oil, infectious/medical wastes, asbestos, paints, lab waste, household hazardous wastes, etc.) are a concern and are separated as much as possible from the general solid waste stream.

MOLDOVA  Ltd Raut, district Balti	Ladfill for galvanic wastes storage	D5	2300	
Ltd Alfa, Chisinau	Storage for galvanic wastes	D5	1000	
Vulcanesti	Landfill pesticides	D5	3966	
Small storage in different villages of Moldova	Pesticides	D15	1700	

Description of the facility, operation	Disposal	Capacity of	Does the	
or process	operation	the facility	facility treat	
	(Annex	(in metric	wastes	
	IVA)	tonnes)	imported	
	D code		Yes/No	
		or process operation (Annex IVA)	or process operation the facility (Annex (in metric IVA) tonnes)	or process operation the facility facility treat (Annex (in metric wastes IVA) tonnes) imported

# **MONGOLIA**

None.

# **MOROCCO**

Morocco does not have any installation for waste disposal. Establishment of an industrial waste treatment center is in preparation.

# **MOZAMBIQUE**

Licensing system for persons managing waste and disposal facilities: this is partly addressed in the regulation on environmental impact assessment.

Open dump sites are managed by municipalities. A special waste site for an aluminium plant exists which is a temporary arrangement. Site selection for a controlled disposal facility is made and arrangements to set up this facility are in progress (for Maputo area).

NEPAL			
Gokasna Landfill Site	Sanitary landfill site		
NETHERLANDS		D 10	Yes
AVR Chemie, PO Box 1120, 3180 AC Rozenburg	Hazardous waste incinerator (rotary kiln)		
Akzo Nobel Chemicals, Welplaatweg 12, 3197 KS Rotterdam Botlek	PCB incineration	D10	Yes
Orion B.V., PO Box 553, 9200 AN Drachten	PCB-containing waste (transformers)	D10	Yes
ATM Moerdijk B.V., Vlasweg 12, 4782 PW Moerdijk		D8	Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Verstraeten & Verbrugge Milieubeheer B.V., PO Box 445, 4530 AK Terneuzen	biological and phys-chem treatment	D8, D9		Yes
Argentia, Middenweg 7, 4782 PM Moerdijk	photografic waste processing	D9		Yes
landfill sites and house hold waste incinerators		D1, D10		No
For a complete list and further information, the Competer	nt Authority could be contacted.			
NEW ZEALAND  Waste Resources Ltd, Auckland	Gas fired incineration of pharmaceutical, medical, solvent, plastic wastes etc.	D10	10,000	Yes, from Pacific Region
NIGERIA  International Tools and Supply Nigeria Limited, 55 Tombia St. G.R.A, Phase II, Port Harcourt	Waste Management engineering services and incineration	D10		No
NORWAY  Approximately 10 facilities are licensed to dispose specifications.	fic types of hazardous wastes. For a complete list, the Foca	l Point could be	contacted.	
OMAN	Cyanide based (dried) tailings from gold	D5	5,000,000	No
Oman Mining Company	extraction. Landfill (secure storage) Tailings Dam Lined evaporation ponds for electrolyte slurries for			
Oman Mining Company	copper refining and cyanide bleed streams	D4	20,000	No
Petroleum Development of Oman Company	Hazardous waste management facilities for chemical waste	D5	1,000	No

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex	Capacity of the facility (in metric	Does the facility treat wastes
		IVA) D code	tonnes)	imported Yes/No
Petroleum Development of Oman Company	Hazardous waste management facilities for oil contaminated soil	D2 followed by D1	3,000	No
Oman Chemicals & Pharmaceuticals Company	Chemical sludges & residues from pharmaceutical manufacture. Secure storage.	D15	250	No
Oman Liquefied Natural Gas Company	Hazardous waste management facilities for chemical and industrial waste. Secure storage	D15	500	No
PANAMA		D1		No
Cerro Patacon sanitary landfill	Sanitary landfill for non-hazardous wastes			
PAPUA NEW GUINEA				
None.		T	T	<u> </u>
PERU		D1	1200 t/day	No
Portillo Grande/Lurin/RELIMA	Sanitary landfill - area method			
Zapallal/Pue nte Piedra/RELIMA	Sanitary landfill - area method	D1	500 t/day	No
Huaycoloro/Huarochiri/PETRAMAS	Sanitary landfill - area method	D1	1200 t/day	No
QATAR		D11	30 mt/h	No
Incinerator at Halul Island	Under implementation			
Hazardous Waste Treatment Centre Messaiced				

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No
REPUBLIC OF KOREA  Sudokwon Landfill, 58 Baekseokdong, Seo Gu, Incheon City, operated by Sudokwon Landfill Management Corporation (SLMC) under MoE	Sanitary landfill	D5	67000000	Possible
Kunsan Specified Waste Treatment Facility, 1585				
Sorvongdong, Kunsan City, operated by	Specified waste landfill	D5	73400	Possible
Environmental Management Corporation (EMC)	Incineration plant	D10	60 mt/day	1 OSSIDIC
under MoE		1 1 1		

410 landfills and 15 443 incinerators for household and non-hazardous industrial wastes were in operation by local governments or private companies in 1999. Private companies operated 60 incinerators and 7 landfills for specified wastes, which are considered as hazardous waste pursuant to the Waste Management Act and EMC operated 4 landfills and 1 incinerator.

# **ROMANIA**

Information not available.

# **RUSSIAN FEDERATION**

Information not available.

SLOVAKIA		D5	No
Landfill for hazardous wastes – Budmerice	Authorization until 2002		
Landfill for hazardous wastes – Zohor		D1	No
Landfill for hazardous wastes – Strazske	Authorization until 2016	D5	No

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation (Annex IVA) D code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Incineration plant – Sala		D10		No
SLOVENIA  Inglar, Panonska 23, SI-9250 Gornja Radgona		D9		No*
LEK Tovarna farmacevtskih in kemicnih izdelkov, d.d., Verovškova 57, SI-1526 Ljubljana		D9, D10		No*
OPEKARNA Novo Mesto d.d. Zalog 21, SI-8000 Novo Mesto		D9		No*
OPTE - PTUJ d.o.o., Žabjak 1, SI-2250 Ptuj		D9		No*
PINUS TKI d.d., Grajski trg 21, SI-2327 Race		D10		No*
TEHNIKA SET d.d. Partizanska 38, SI-2310 Slovenjska Bistrica		D9		No*
WIENERBERGER Opekarna Ormož d.d. Kolodvorska 7, 2270 Ormož		D9		No*

<sup>\*</sup> for hazardous wastes

The facilities mentioned above treat also the wastes which are not considered to be hazardous according to national legislation.

# **SOUTH AFRICA**

Information could be obtained from:

Dr. Leon Bredenhann, Department of Water Affairs and Forestry, Private Bag X-313, Pretoria, 0001.

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No

### **SPAIN**

There are many facilities in the country. A complete list could be obtained from the Focal Point.

#### SRI LANKA

At present there are no authorized organizations for disposal of hazardous waste. But negotiations are being conducted. Industrialists treat their own waste under the Environmental Protection License. At the moment steps are being taken to establish hazardous waste disposal sites.

### **SWEDEN**

Data will become available at www.environ.se

# TANZANIA (UNITED REPUBLIC OF)

Ministry of Health is responsible for disposal of hospital waste by incineration. There are no sanitary landfills. However, there are uncontrolled dump sites under habitat "sustainable city Programme". The programme covers 9 Municipal cities of Tanzania. Construction of Municipal sanitary landfills is in the pipeline.

#### **THAILAND**

Central hazardous waste disposal facilities are:

	- stabilization/neutralization unit	D9	500 t/d	No
GENCO, Map Ta Put, Rayong Province serving	- physical - chemical treatment and biological	D9	$125 \text{ m}^3/\text{d}$	No
industries in the Eastern region	treatment unit			
	- secured landfill	D5	600 t/d	No

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Disposal operation	Capacity of the facility	Does the facility treat
	_	(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No
Industrial Waste Treatment Plant, Samae Dum, Bangkok serving Central region	- physical and chemical wastewater pre-treatment plant for dyeing and electroplating	D9	380,000 t/d	No
Bangkok serving Central region	- stabilization/neutralization unit	D9	30,000 t/d	No
Secured landfill, Ratchaburi Province serving Central region	secured landfill	D5		No
Central Infectious Waste Incinerators are:				
On-Nuch Infectious Waste Incinerator (20 tones/day) serving the hospitals and clinics in Bangkok Metropolitan Region	Incineration	D10	20 t/d	No
Hat Yai Infectious Waste Incinerator (5 tones/day) serving the hospitals and clinics in Songkhla Province and its vicinity	Incineration	D10	5 t/d	No
Samut Sakorn Infectious Waste Incinerator (5 tones/day) serving the hospitals and clinics in Samut Sakorn Province and its vicinity	Incineration	D10	5 t/d	No
Nontha buri Infectious Waste Incinerator (5 tones/day) serving the hospitals and clinics in Nonthaburi Province and its vicinity	Incineration	D10	5 t/d	No
TUNISIA		D5	700000	No
A controlled landfill for household wastes for the city of Tunis	Specially engineered landfill with appropriate treatment facilities			
Four controlled landfills for household wastes in the Medjerdah River basin	Specially engineered landfill with appropriate treatment facilities especially for composting	D5	50000	No

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No

For further sources of information on disposal facilities the Ministry of for the Environment and Land Use Planning could be contacted.

In 1996, 68 dump sites were identified as needing to be closed at the cost of some 55 million US\$. A plan to close and rehabilitate these dump sites was drawn up.

- The execution studies for the establishment of 29 controlled landfills in the targeted townships have been completed;
- A centre of hazardous wastes treatment (with a capacity of 85000 metric tonnes) will be ready by 2002; and
- An incinerator of clinical wastes from medical care, for the region of Tunis, will be ready by 2001.

TURKEY		D5	800.000	No
IZAYDAS A.S.	Specially engineered landfill			
SÜMERBANK BASF	Incineration	D10		No
These facilities have been licensed by the Ministry of Environment for final disposal.				
UGANDA				

Kampala city council, Landfill Site Kiteezi, Mpigi district

Landfill for non hazardous Municipality Waste

Landfill for non hazardous Municipality Waste

An improvement and expansion has been planned in accordance with the law.

This is the only landfill site for Kampala city and is poorly managed. An improvement and expansion has been planned in accordance with the law. An environmental impact assessment has been done and the EIA Report submitted to the National Environment Management Authority (NEMA) for review.

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the	
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat	İ
		(Annex	(in metric	wastes	İ
		IVA)	tonnes)	imported	
		D code		Yes/No	

# **UNITED KINGDOM**

There are too many facilities in the UK that are authorised to dispose wastes. For information about specific facilities please contact the organisations below.

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

### **URUGUAY**

There are dumps for urban solid wastes where industrial wastes are also discharged. Recently two plants for hospital wastes entered into operation, one with an incineration unit and the other with an autoclave.

UZBEKISTAN  Dumping of solid municipal wastes in the special rubbish-heaps of the cities and settlements	Directed at isolation of wastes and preventing contaminating substances getting into the environment and further using of these wastes	D1	5740800 m <sup>3</sup>	No
Dumping of hazardous industrial wastes in the bowels of the earth	Directed at isolation of wastes and preventing contaminating substances getting into the environment and further using of these wastes	D1	32.010	No
Dumping in the specially equipped repositories with the isolated surface	Closed or semi-closed pools for keeping liquid industrial wastes	D5	26967075.8	No

Facility/operation or process	Description of the facility, operation	Disposal	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVA)	tonnes)	imported
		D code		Yes/No

# YEMEN

None.

# YUGOSLAVIA

There are no approved and licensed facilities. Currently available legal options are temporary storage and exporting of hazardous wastes in accordance with the provisions of the Basel Convention.

ZAMBIA  Indeni Petroleum Oil Refinery, Po Box 71869, Ndola	Crude oil refinery	D2	No
Bata Tannery, PO Box 170, Kafue	Leather tanning	D1	No
Libala Dump Site, PO Box 30077, Lusaka	Municipal dump site	D1	No
Ndola City Council, PO Box 70797, Ndola	Municipal dump site	D1	No
Kitwe City Council, Po Box 20070, Kitwe	Municipal dump site	D1	No

These disposal sites have commenced operation without environmental impact assessment being conducted.

# Recovery facilities operated within the national jurisdiction

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
ANDORRA  Centre d'emmagatzematge de la Comella	Center to accumulate material before being exported to other countries for recycling	R3		No

### **ARGENTINA**

Information could be obtained from: www.medioambiente.gov.ar.

### **AUSTRALIA**

Information could be obtained from:

http://www.ea.gov.au/

http://www.environment.act.gov.au/ie4/

http://www.search.nsw.gov.au/environment.asp

http://www.nt.gov.au/ntg/environment.shtml

http://www.env.qld.gov.au/environment/environment/legislation/epa.html

http://www.sa.gov.au/environment/protection/

http://www.service.tas.gov.au/Nav/Topic.asp?Topic=Environment%2C+land+and+water

http://www.vic.gov.au/subindex.cfm?link\_ID=14

http://www.environ.wa.gov.au/

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No

#### **AUSTRIA**

Information could be obtained from:

Federal Environment Agency, A-1090 Spittelauer Lände 5, Vienna or via the Internet:

http://www.ubavie.gv.at/umweltsituation/abfall/gabfall/toc.htm where a register of all licensed disposer can be found and

http://www.ubavie.gv.at/umweltregister/abfallwirt\_anlagendb/toc.htm where a data base of the existing disposal facilities is available.

### **BELGIUM**

A broad range of facilities exist in Belgium for waste treatment / recovery, graphical industry, animal waste treatment, chemical industry, metallurgy, scrap treatment, oil refireny, waste oil treatment, sludge treatment, recycling of zinc and nickel salts, treatment of used oils etc.

Information could be obtained from the Competent Authorities.

#### **BOTSWANA**

None.

### **BULGARIA**

Information could be obtained from:

Ministry of Environment and Water, Waste Management Department, 67, William Gladstone Str., Sofia 1000, tel. (359-2) 940-6544/6530, 6637, fax (359-2) 986-4848, e-mail: otp@moew.govrn.bg

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No

### **CAMBODIA**

None.

#### CANADA

In Canada, recovery facilities are monitored and regulated by provincial and territorial governments.

#### Alberta

Alberta Environment, Industrial Waste & Wastewater Branch, Oxford Place, 9820 - 106<sup>th</sup> Street, Edmonton, Alberta, T5K 2J6, (1-403) 427-7617

# British Columbia

B.C. Ministry of Environment, Lands & Parks, PO Box 9342 Stn. Prov Govt. Victoria, British Columbia, V8W 9M1, (1-604) 387-2049

#### Manitoba

Manitoba Department of the Environment, Assessments and Approvals Branch, 123 Main Street, suite 160, Winnipeg, Manitoba, R3C 1A5, (1-204) 945-7094

#### Ontario

Waste Management Branch, Ontario Ministry of the Environment & Energy, 135 St. Clair Avenue West 7<sup>th</sup> Floor, Toronto, Ontario, M4V 1M2, (1-416) 325-4440

### New Brunswick

Department of the Environment, Assessments and Approvals Branch, P.O. Box 6000, 20 McGloin Street, Fredericton, New Brunswick, E3B 5H1, (1-506) 453-3827

#### Prince Edward Island

Department of the Environment, P.O. Box 2000, 11 Kent Street, Charlottetown, P.E.I., C1A 7N8, (1-902) 368-5037

#### Newfoundland

Dept. of Environment and Labour, Confederation Building (West Block), P.O. Box 8700, St. John's, Newfoundland, A1B 4J6, (1-709) 729-5793

# Québec

Guidance and Research Services Directorate, Ministry of the Environment, 675 René Lévesque Boulevard Est, 29<sup>th</sup> Floor, P.O. Box 95, Québec, Qc, G1R 5V7, (1-418) 521-3899

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Northwest Territories Environmental Protection Division, Resources, Wild N.W.T., X1A 3S8, (1-403) 873-7178	llife & Economic Development, P.O. Box 21 Scoti	a Centre, 600,	5105-50 <sup>th</sup> Ave.	, Yellowknife,
Saskatchewan Pollution Prevention and Management Unit, Environme Regina, Saskatchewan, S4S 5W6, (1-306) 787-9301 Nova Scotia	nt & Resource Management, Saskatchewan Environment	& Public Safety	, 3211 Albert Str	eet,
	P.O. Box 2107, 5151, Terminal Road, 5 <sup>th</sup> Floor, I	Halifax, Nova S	Scotia, B3J 3B3	7, (1-902) 424-
Yukon Yukon Territorial Government, Renewable Resources R	2-8, P.O. Box 2703, Whitehorse, Yukon, Y1A 2C6, (1-40)	3) 667-3436		
CHILE				
Hidronor S.A., Av. Vizcaia #260, Santiago, tel (56-2) 640-9364, fax (56-2) 640-9372	Transformation of liquid residues in fuel			
Bravo Energy Chile S.A., Av. Las Industrias #12600, Maipu, tel (56-2) 535-0514	Transformation of liquid residues in fuel			
CHINA				
Shanghai waste recovery and treatment center				
Beijing waste recovery and treatment center				
Shenzhan waste recovery and treatment center				
Shenyang waste recovery and treatment center				

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
Fujian waste recovery and treatment center				

### **COLOMBIA**

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

### **CROATIA**

Information could be obtained from the Focal Point. The authorized facilities treat hazardous wastes generated in the territory of Croatia.

# **CYPRUS**

A central treatment plant treats a small amount of liquid hazardous wastes produced by a number of small industrial units.

### **DENMARK**

Information could be obtained from:

Waste Base by the European Topic Center on Waste; www.etc-waste.int and the annual Danish Waste Statistics; www.mst/homepage.dk and search for publications.

ECUADOR				
ETAPA (Empresa Telecomunicaciones, agua	Re-collection and storage of used oil	R1	20	No
potable, alcantarillado de la ciudad de Cuenca)				
Panamericana Norte Km 7 Ucubamba Cuenca -				
Ecuador				

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
EL SALVADOR  Baterias de El Salvador	Recycling of lead acid batteries	R4	Not available	No
Baterias de El Salvador	Use of waste oil as fuel	R1	Not available	No
Cemento Cessa	Use of waste oil as fuel	R1	Not available	No

# **FINLAND**

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 380, FIN-00131 Helsinki (the Focal Point of the Basel Convention).

# **FRANCE**

Information could be obtained from: ADEME (Agence de l'Environnement et de la Maitrise de l'Energie); 2 square Lafayette, BP 406, 49004, Angers Cedex.

# **GAMBIA (THE)**

None.

GERMANY	R4	Yes
E.S.T. Entsorgungsanlage GmbH		
Zweite Allee, D-02929 Steinbach		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
SVZ Schwarze Pumpe An der Heide, D-03139 Schwarze Pumpe		R3	140000 t/a	Yes
Contamex Industrieanlagen GmbH Altenburger Str. 29, D-04617 Kriebitzsch	Soil treatment facility	R5		
Chemische Werke Kluthe GmbH Nebitzscheuerstr. 3, D-04769 Mügeln		R2		Yes
WRC GmbH (World Resources Company) Lüptitzer Str. 24c, D-04808 Wurzen		R4		Yes
Nickelhütte Aue GmbH Rudolf-Breitscheid-Str., D-08271 Aue		R4		Yes
Baufeld Mineralölraffinerie gmbH Chemnitzer Str. 3, D-09221 Klaffenbach		R9		
BUS Zinkrecycling Freiberg Gmbh Frauensteiner Str. 81, D-09599 Freiberg		R4		Yes
LAREC GmbH Industriegebiet Nord, D-09618 Erbisdorf	Recovery of fluorescent tubes	R4, R5		Yes
Feinhütte Halsbrücke Krummen Rennersdorfstr. 2, D-09633 Halsbrücke		R4		Yes
Saxonia GmbH Erzstr. 5, D-09633 Halsbrücke		R4		Yes
Hornitex Werke GmbH Radinkendorfer Str. 71, D-15848 Beeskow		R1	240000 t/a	Yes
Rüdersdorfer Zement GmbH Frankfurter Chaussee, D-15562 Rüdersdorf		R1	96000 t/a	Yes
Norddeutsche Affinerie AG Hovestr. 50, D-20539 Hamburg	recovery of non-ferrous metals	R4		Yes
Hamburger Ölverwertungsgesellschaft mbH Kattwykstr. 20, D-21107 Hamburg		R9		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Mineralölraffinerie Horst Fuhse Halskestr. 40, D-22113 Hamburg		R9		Yes
Nordische Quecksilberrückgewinnung GmbH Bei der Gasanstalt 9, D-23560 Lübeck	recovery of mercury and fluorescent tubes	R4 R13	7000 t/a 7000 t/a	Yes
UTM GmbH Alt Herrenwyk 12, 23569 Lübeck	Decomposition of compressed gas cylinders	R2 R4	2200 t/a	Yes
Bresch Entsorgung GmbH Leinestr. 18, D-24539 Neumünster	Decomposition of refrigerators and freezers	R3, R4	11600 t/a	Yes
LV Nord GmbH Krokamp 29, D-24539 Neumünster	recovery of fluorescent tubes	R5	460 t/a	Yes
Ties Neelsen & Klöckner GmbH & Co. KG Kiefernweg 21, D-24558 Henstedt-Ulzburg	recovery of antifreeze fluids	R3	2500 t/a	No
Flensburger Leuchtstofflampenverwertung Klemens & Co, Am Güterbahnhof D-24941 Jarplund-Weding	recovery of mercury from fluorescent tubes	R4, R5	3500 t/a	Yes
Alsen AG, Sandweg 10, D-25566 Lägerdorf	cement furnace	R1, R5	840000 t/a	Yes
NTL-Verfahrenstechnik und Recycling GmbH Borger Weg, D-25853 Ahrenshöft	recovery of brake fluids	R 3	2400 t/a	No
Hannoversche Salzschlackeentsorgungs gesellschaft mbH (HANSE) Am Brinker Hafen 6, D-30179 Hannover	recovery of salt slag	R5		Yes
Entek Entsorgungstechnik Herborner Str. 22, D-35080 Bad Endbach	Cleaning of cleaning rags	R7		Yes
Kali und Salz GmbH Postfach 1163, D-36267 Philippsthal	stope filling	R5		Yes
Grillo Zinkoxid GmbH Halberstädter Str. 15, D-38644 Goslar	recovery of zinc and zinc compounds	R4		Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Harz Metall GmbH Sekundärzink und –bleihütte, D-38642 Goslar		R4		Yes
Harzer Zink GmbH Landstr. 93, D-38644 Bad Harzburg	recovery of zinc	R4, R5		Yes
REKAL-Anlage Kali und Salz GmbH, Werk Sigmundshall Postfach 1352, D-31515 Wunstorf		R4, R5		
Gral GmbH, Hansastr. 10, D-41460 Neuss	recovery of aluminium	R4		Yes
Metall- und Recyclinggesellschaft Schumacher GmbH & Co KG, Venloer- /Bergheimerstr., D-41569 Rommerskirchen	recovery of aluminium	R4		Yes
ERFA GmbH, Ginsterweg 21, D-42781 Haan	recovery of silver and ammonium	R4, R5		Yes
UR-Chemie GmbH Dammstr. 25, D-44145 Dortmund	recovery of salt slag	R4		Yes
Hüttenwerke Kayser AG Kupferstr. 23, D-44532 Lünen	recovery of non-ferrous metals	R4		Yes
Salzschlacke - Entsorgungsgesellschaft mbH Brunnenstr. 138, D-44536 Lünen	recovery of salt slag	R4, R5		Yes
Rütgers VFT AG Kekuléstr. 30, D-44579 Castrop-Rauxel	use of tarry residues	R3		Yes
LVG - Leuchtstofflampen-Verwertungs-GmbH Alte Landstr. 4, D-45329 Essen	recovery of non-ferrous metals	R4		Yes
Accurec Recycling GmbH Wiehagen 12 – 14, D-45472 Mülheim an der Ruhr		D9, R4		Yes
RUHR-ZINK GmbH Wittener Str. 1, D-45711 Datteln	recovery of zinc containing metals	R4		Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Condea Chemie Paul-Baumann-Str. 1, D-45764 Marl	recovery of heat transmission oils	R2		Yes
Umweltschutz Ruhr GmbH Heringstr. 102, D-45968 Gladbeck		R10		Yes
MEWA-Textilservice Bottrop GmbH & Co. Am Kruppwald 14 – 16, D-46238 Bottrop	cleaning of cleaning rags	R7		Yes
FOSECO GmbH Gelsenkirchener Str. 10, D-46325 Borken		R4		Yes
Borchers GmbH, Hans estr. 44, D-46325 Borken	use of treated wood waste	R3		Yes
Fa. Groß-Bölting Telingskamp 13, D-46395 Bocholt	use of contents of oil/water separators	R3, R7, R11		Yes
Filmrecycling W. Kampshoff Krommerter Weg 56, D-46414 Rhede	recovery of silver from photographic waste	R4		Yes
DK Recycling und Roheisen GmbH Westhauser Str. 182, D-47053 Duisburg	recovery of non-ferrous metals	R4		Yes
Sachtleben Chemie GmbH DrRudolf-Sachtleben-Str. 4, D-47198 Duisburg	recovery of acids	R4, R5		Yes
Grillo-Werke AG Weselerstr. 1, D-47169 Duisburg	recovery of non-ferrous metals and acids	R1, R5		Yes
M.I.M. Hüttenwerke Duisburg GmbH Richard-Seiffert-Str. 20, D-47249 Duisburg	recovery of zinc and lead	R4		Yes
B.U.S. Metall GmbH Richard-Seiffert-Str. 20, D-47249 Duisburg	recovery of zinc	R4		Yes
Buchen Umweltservice GmbH Daimlerstr. 26, D-47574 Goch		R2		Yes
Metallwerke Bender GmbH Fegeteschstr. 9249, D-47749 Krefeld	recovery of non-ferrous metals	R4		Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Messer-Griesheim GmbH Bataverstr. 47, D-47809 Krefeld	recovery of gases, acids, metals	R3, R4, R5, R6		Yes
Bayer AG, Werk Uerdingen Rheinuferstr. 7-9, D-47829 Krefeld		R4, R6		Yes
Wienerberger Ziegeleiindustrie Rödder 59, D-48249 Dülmen	use of fibre and paper sludge	R3		Yes
Enviprotect Schadstoffverwertung GmbH Röntgenstr. 12, D-48599 Gronau		R4		Yes
Ekokemie GmbH Zeppelinstr. 23, D-49479 Ibbenbüren		R7		Yes
Sidra Wasserchemie GmbH Zeppelinstr. 27, D-49479 Ibbenbüren	use of iron chloride waste	R6		Yes
Fa. ESMA GmbH Kirchstr. 5, D-50354 Hürth-Knapsack		R2		
Degussa Werk, Marquart Postfach 30 04 52, D-53184 Bonn		R5		Yes
Varta Recycling GmbH Krautscheider Str., 53567 Buchholz	Recovery of lead	R4		Yes
BSB Recycling GmbH Emser Str. 11, D-56338 Braubach	Recovery of lead	R4		Yes
Gottscholl Alucom AlumProduktions GmbH Hagener Str. 275, D-58256 Ennepetal	recovery of aluminium	R4		
Siegfried Jacob GmbH & Co KG Jacobstr. 41-45, D-58256 Ennepetal	recovery of non-ferrous metals	R4		Yes
Greenline Brennstoffproduktion GmbH & Co. Maybachstr. 1, D-59229 Ahlen		R12		Yes
Adolf Hüning KG, Hauptstr. 1, D-59397 Olfen	use of fibre and paper sludge	R3		Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Wienerberger Ziegeleiindustrie Rödder 59, D-48249 Dülmen	use of fibre and paper sludge	R3		Yes
Lurgi Akivkohle GmbH Lurgiallee 5, D-60439 Frankfurt/Main	Recovery of activated carbon	R7	5700 t/a	No
W.C. Heraeus GmbH Heraeusstr. 12-14, D-63450 Hanau	recovery of non-ferrous metals and precious metals	R4		
Dmc², Rodenbacher Chaussee 4, D-63457 Hanau	recovery of non-ferrous metals and precious metals	R4		Yes
LVG Lösemittelverwertungs GmbH Justus-von-Liebig-Str. 3, D-64584 Biebesheim		R2		Yes
Reactana GmbH Justus-von-Liebig-Str. 3, D-64584 Biebesheim		R8		Yes
Merck KGaA Frankfurter Str. 250, D-64293 Darmstadt		R2,R3,R5,R 6,R13		Yes
Herborn GmbH Lange Straße 9, D-65462 Ginsheim-Gustavsburg		R3, R4		Nein
RecTec Entsorgung GmbH Haagweg 3-7, D-65462 Ginsheim Gustavsburg		R13		Yes
Solyay GmbH Fluor und Derivate, D-65926 Frankfurt	Recovery of fluorine	R5	3647 t/a	No
Th. Goldschmidt AG Mühlheimer Str.16-22, D-68219 Mannheim	Recovery of zinc Recovery of copper	R4 R4	15000 t/a 210000 t/a	Yes Yes
Bernd Braun Regenerierbetrieb Neckartal 23, D-78628 Rottweil		R2	1540 t/a	Yes
Hetzel Metalle GmbH Rotterdamer Str. 135, D-90451 Nürnberg	recovery of non-ferrous metals	R4		Yes

In Germany about 150 facilities for the recycling or recovery of hazardous wastes are in operation. Only selected major facilities are listed to present a concise overview of these facilities. However, additional information is available on request from the focal point.

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
ICELAND  Sementsverksmiðjan hf. v/Mánabraut IS-300 Akranes	Cement factory	R1		No
Íslakk hf. Smiðjuvegur 11e, IS-200 Kópavogur	Distillation	R2		No
Efnamóttakan hf Gufunes, IS-132 Reykjavík		R13, D14, D15		No
Fura ehf. Markhellu 1, IS -220 Hafnarfjörður		R13		No
Hringrás ehf. Klettagörðum 9, IS-104 Reykjavík		R13		No
Sagaplast ehf Réttarhvammi 3, IS-603 Akureyri		R13		No
INDONESIA  PT. WGI (Wiraswasta Gemilang Indonesia Ltd.), Ds. Gandamekar 24 Cibitung Bakagi	Used oil re-refining	R9		No
PT. IMLI (India Eramulti Logam Industri Ltd.), Jl. Bodro No 7, Surabaya, tel: (62-21) 563-0990	Recycling of used lead batteries	R4	84000 mt/year	Yes
PT. Non Ferindo Utama, Jl. Raya Manis II/I Tangerang, tel: (62-21) 522-0892	Recycling of used lead batteries	R4	20400 mt/year	Yes
PT. Mulitomas, Jl. Otto Iskandar Dinata 149, Jakarta, tel: (62-21) 893-4987	Recycling of used lead batteries	R4	18000 mt/year	Yes

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
IRAN (ISLAMIC REPUBLIC OF)  There are some authorized recovery plants for hazardou	s wastes of the country within the national jurisdiction of Ira	an		
There are some authorized recovery plants for nazardou	wastes of the country within the national jurisdiction of the			
IRELAND				
Atlas Oil Laboratories Ltd, Clonminam Industrial Estate, Portlaoise, Co. Laois	Use of heat for the manufacture of fuel from waste	R9		
Dempsey Drums Ltd, Lower Oriel Street, Dublin 1	Reconditioning and recycling of steel and plastic drums and containers	R4, R5, R13	10000	
Irish Lamp Recycling, Athy, Co. Kildare	Separation of components of fluorescent lamps	R4, R5		
Pipe and Drain Services, Sheriff Street, Dublin 1	Separation of components of oily sludges and ink cartridges	R3, R4, R5, R7, R9, R13		
Returnbatt Ltd, Kildare Enterprise Centre, Melitta Road, Kildare	Separation of components of lead acid batteries, storage of other batteries	R4, R13	7000	
Shannon Environmental Services, Smithstown Industrial Estate, Shannon, Co. Clare	Storage and processing of industrial and commercial chemical and other waste	R3, R4, R5, R9, R13	34000	
Soltec Ireland Ltd, Mullingar Industrial Estate, Mullingar, Co. Westmeath	Distillation of solvents	R2, R13		
Irish Environmental Services, 520 Beech Road, Western Industrial Estate, Dublin 12	Storage of hazardous waste/transfer station	R13	3440	
KMK Metals Recycling, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	Storage and processing of waste and hazardous waste	R4, R5, R7, R8, R11, R12, R13		
MinChem Chemicals, Tolka Quay Road, Dublin 1	Storage of hazardous waste/transfer station	R13		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
National Recycling and Environmental Protection, JFK Industrial Estate, Naas Road, Dublin 12	Storage of hazardous waste/transfer station	R13		
Safety Kleen Ireland, Unit 5, Airton Road, Tallaght, Dublin 24	Storage of hazardous waste/transfer station	R13		
Safeway Warehousing, Corrin, Fermoy, Co. Cork	Storage and processing of hazardous waste/transfer station	R13	33150	
Silver Lining Industries Ireland Ltd, Unit 61, Cookstown Industrial Estate, Belgard Road, Tallaght, Dublin 24	Storage and processing of hazardous waste/transfer station	R4, R13		
ISRAEL Liran, Rishon Letzion	Solvent reclamation	R2	N.A.	No
Petrochim, Ashdod	Solvent reclamation	R2	N.A.	No
Teva Factories (Pharmaceutics)	Solvent reclamation	R2	N.A.	No
M.T.A. Recycling Technologies, Jerusalem	Solvent reclamation	R2	N.A.	No
Tabib, Petah Tikva	Ammoniacal copper recycling	R4	N.A.	No
Hakurnas, Ashdod	Lead acid batteries recycling	R4	N.A.	Yes
Vulcan, Tefen	Acid batteries recycling	R4	N.A.	No
Numinor, Maalot	Zinc recycling	R4	N.A.	No
Metil Matahot, Ashdod	Metal recycling	R4	N.A.	No

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Koffolk, Ramat Hovav	Manganese sulfate recycling	R4	N.A.	No
Guy Recycling, Petah Tikva	Photographic solution recycling	R4	N.A.	No
Rimtal, Holon	Photographic solution recycling	R4	N.A.	No
Environmental Services Company Ltd., Ramat Hovav	Bisulfite production for chromate reduction	R5	N.A.	No
Environmental Services Company Ltd., Ramat Hovav	Ammoniacal copper recycling	R4	N.A.	No
Amza, Holon	Ammoniacal copper recycling	R4	N.A.	No
Timna, Timna Valley	Copper reclamation	R4	N.A.	Yes
Gold Center, Or Yehuda	Precious metals recycling	R4	N.A.	No
Holland Israel, Or Yehuda	Gold recycling	R4	N.A.	No
Erez, Or Yehuda	Photographic solution recycling	R4	N.A.	No
Supersold, Bet Oren	Precious metals recycling	R4	N.A.	No
Bromine Compounds, Ramat Hovav	Methyl chloride reclamation	R3	N.A.	No
Bromine Compounds, Ramat Hovav	Bromine reclamation	R5	N.A.	No
Chromalloy, Kiryat Gat	Reuse of nickel powder	R4	N.A.	Yes
Metek, Ramat Hovav	Tungsten recycling	R4	N.A.	Yes

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported Yes/No
		R code		1 es/No
JAPAN				
Information is not available.				
LATVIA		D.4		<b>3</b> 7
Lampu demerkurizacijas centrs Ltd, Kapsedes 10,	Destruction of mercury-containing light bulbs,	R4		Yes
LV-3400, Liepaja	separation of mercury			
2 v 3-roo, Elepaju	separation of mercury			
LESOTHO				
None.				
LITHUANIA				
Information is not available.				
Waste Management Regulations set the order of re-	gistration of waste managers. Every enterprise engage	ed in waste coll	ection transport	ation recovery
	ssioned by other enterprise in waste recovery and			
LUXEMBOURG		R5		Yes
Intermoselle Sàrl Langengrund L-3701 Rumelange	Clinker production			
Lamesch Exploitation S.A. Z.I. Wolser Nord	reconditionning of waste (Pretreatment further to			Yes
L-3225 Bettembourg	R1 and Pretreatment further to R9)			1 68

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
MALAYSIA				
There are 37 licensed recovery facilities and the list is a	vailable upon request from the Competent Authority or ww	vw. jas.sains.my		
MALDIVES				
None.				
None.				
MOLDOVA				
None.		1	T	
25024.00				
MONACO		R1	89900	Yes
Societe Monegasque d'Assaisissement, 3 av. de	Incineration of household wastes to generate	K1	89900	res
Fontvielle	_			
POlivielle	energy			
MONGOLIA				
MONGOLLI				
None.				
MOROCCO				
Monocoo				
There are national enterprises specialized in waste recover	ery, particularly textiles, plastic, glass, wood and cardboard			

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
MOZAMBIQUE				
None.				
NEPAL			15000	
Number of metal and metallic salt industries				
Clean Wheels Nepal	Recycling of used kerosene, reduction of lubricants use			
NETHERLANDS  ATM Moerdijk B.V., Vlasweg 12, 4782 PW Moerdijk	soil cleaning facility	R4, R5		Yes
Knowaste B.V., PO Box 5320, 6802 EH Arnhem	paperwaste treatment	R3		Yes
Ecotechniek, PO Box 40233, 3504 AA Utrecht	soil cleaning facility	R5, R13		Yes
Jacomij Metalen Wijk bij Duurstede	metal scrap recycling	R13		Yes
Metabel Deurne	metal scrap recycling	R13		Yes
Edelchemie, Panheel	photographic waste treatment	R4		Yes
For a complete list and further information, the Compet	ent Authority could be contacted.	<u>'</u>	•	

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
NEW ZEALAND		R4		Yes
Exide NZ Ltd, Petone, Wellington	Lead acid battery recovery			
Milburn Cement Ltd Westport	Used lubricating oil recovery	R1		
WPC Ltd Pukekohe	Used lubricating oil recovery	R1		
Castrol NZ Ltd, Wellington	Used lubricating oil recovery	R9		
NIGERIA Super engineering Co. LTD,	Solid waste plastic recycling into household products and shoes, perlets			Yes
Lee Group of Companies 3 Ladipo Oluwole St. Lagos Nigeria	Solid waste plastic recycling into household products and shoes, perlets		Over 5000 mt	Yes
Star paper mills LTD, 114/116, ABA Umumgasi, ABA Aba State	Waste paper recycling			Yes
Chellco Industries LTD AF2 Kudenda Ind. Est P.O. Box 1847 Kaduna	Textile yarn recycling into blakets			Yes
Taewod Floor covering Co. LTD, Plot 2 A Lateep Jakade Rd. Ikeja, Lagos	Solid waste plastic recycling into floor carpets			Yes

# **NORWAY**

Approximately 5 facilities are licensed to recover specific types of hazardous wastes. Approximately 20 facilities are licensed to incinerate waste oil of specified quality. For a complete list, the Focal Point could be contacted.

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation	Capacity of the facility	Does the facility treat
	_	(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
OMAN				
None.		_	1	
PANAMA		R9		
Panama refinery	Refining of petroleum and its derivatives			
Eco-Klean S.A.	Processing of waste oil	R9		
Derivados de Petroleo S.A.	Industry for asphalt emulsion	R1		
Procesos y Analisis Metalogicos, S.A.	Processing and analysis of metals (PB)	R4		
PAPUA NEW GUINEA				
There are plans underway to build a metal recycling plan	t, and a different plastic recycling plant.			
PERU		R4	11 253.3	Yes
Corporation Aceros AREQUIPA	Infrastructure: electric-arc furnace, ladle furnace			
Tecnofil S.A.	Electric furnaces	R4	8.066	Yes
PHILIPPINES				
A compete list could be obtained from the Competent Ar	athority.			

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB) R code	tonnes)	imported Yes/No
		K code		Tes/No
QATAR				
None.				
REPUBLIC OF KOREA				
22 recovery facilities are operated by KORECO u materials through use as fuel, etc. local governments also	nder MoE. Out of 1647 recycling business, 1102 properate pre-treatment facilities.	produce recycled	d goods and th	e rest recycle
Sources of information on recovery facilities could Yoidodong, Youngdeungpo-Gu, Seoul, 150-010 or at ww	be obtained from: Korea Resource Recovery and w.koreco.co.kr.	Re-utilization (	Corporation (KC	ORECO), 24-5,
ROMANIA				
Information is not available.				
RUSSIAN FEDERATION				
Information is not available.				
SLOVAKIA		R2		
Detox s.r.o. Banska Bystrica	Regeneration of organic solvents			
Mach Trade s.r.o. Sered	Treatment of lead-acid batteries (recovery of lead)	R4		
Epsol s.r.o. Bratislava	Regeneration of organic solvents	R2		

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB) R code	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
Konzeko s.r.o. Levoca	Regeneration of waste oils	R9		
SLOVENIA CHEMETS, Kranj d.o.o.		R4		No*
Trg Prešernove brigade 5, SI-4000 Kranj				
COLBEX d.o.o, Zolajeva 9, SI-2000 Maribor		R5		No*
DESTILACIJA TOPIL (Šiftar Dušan s.p.) Strukovci 42, SI-9265 Bodonci		R2		No*
DINOS KRANJ, d.o.o. Savska Loka 24, SI-4000 Kranj		R4, R3, R5		No*
CISTO MESTO PTUJ d.o.o., Dornavska 26, SI-2250 Ptuj		R3		No*
EKO-Ekoinženiring d.o.o Koroška c. 14, SI-2390 Ravne na Koroškem		R4		No*
EKOSAN d.o.o. Šmarska cesta 1, SI-2380 Slovenj Gradec		R5, R4		No*
Energetika Ravne d.o.o. Koroška cesta 14, SI-2390 Ravne na Koroškem		R1, R9		No*
EXOTERM Kranj d.d., Struževo 66, SI-4200 Kranj		R5		No*
FINALI TRADING d.o.o., Obala 127, SI-6320 Portorož		R5		No*
GLIN POHIŠTVO d.o.o. Lesarska ulica 10, SI-3331 Nazarje		R1		No*
GORIŠKE OPEKARNE, D.D. Meljaki 7, SI-5292 RENCE		R5		No*

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
JULON d.d., Letališka cesta 15, SF 1001 Ljubljana		R3		No*
Kemiplas, Kemicna industrija in trgovina, d.o.o Dekani 3a, SI-6001 Koper		R3		No*
KEMIS d.o.o. Kardeljeva plošcad 11a, SI-1000 Ljubljana		R2		No*
KONITEX d.o.o. Mestni trg 18, SI-3210 Slovenske Konjice		R3		No*
LESNA TOVARNA IVERNIH PLOŠC Šentjanž pri Dravogradu 133, SI-2373 Šentjanž pri Dravogradu		R1, R3		No*
LETNIK SAUBERMACHER d.o.o. Kidriceva 8, SI-2230 Lenart		R3		No*
LJUBECNA ART d.o.o. Kocbekova 30, SI-3211 Škofja vas		R5		No*
NON FERRUM d.o.o., Struževo 66, SI-4000 Kranj		R4		No*
OMAPLAST Omahen Zlata s.p. Kosovelova 3, SI-1290 Grosuplje		R3		No*
Protectservis, Gaberšek Milan s.p. Leona Dobrotniška 27, SI-3230 Šentjur pri Celju		R1, R3		No*
REONT, Bevc Jože s.p., Ig 271, SI-1292 Ig		R3		No*
RUDNIK MEŽICA MPI d.o.o. Žerjav 79, SI-2393 Crna na Koroškem		R5		No*
SALONIT ANHOVO, gradbeni materiali, d.d. Vojkova 1, SI-5210 Anhovo, Deskle		R4		No*
TALUM d.d., Tovarniška 10, SI-2325 Kidricevo		R4		No*

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
TERMOELEKTRARNA ŠOŠTANJ (TEŠ) Cesta Lole Ribarja 18, SI-3325 Šoštanj		R1		No*
TISA d.o.o, Ižanska 213, Si-1000 Ljubljana		R3, R5		No*
TOPLARNA ŽELEZNIKI d.o.o. Cešnjica 54, SI-4228 Železniki		R1		No*
Wolf d.o.o., Skakovci 35, SI-9261 Cankova		R4		No*

<sup>\*</sup> for hazardous wastes

The facilities mentioned above treat also the wastes which are not considered to be hazardous according to national legislation.

### **SPAIN**

There are many facilities in the country. A complete list could be obtained from the Focal Point.

### SRI LANKA

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.

### **SWEDEN**

Data will become available at www.environ.se

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
TANZANIA (UNITED REPUBLIC OF)				
None.				
THAILAND				
Fuel Blending Unities are:				
GENCO, Rayong	Fuel Blending Unit (used solvent and waste oil)	R1 and R2	200 t/d	No
Sita-Thai Waste Management Sevice Ltd., Saraburi	Fuel Blending Unit (used solvent and waste oil)	R1	15,000 t/yr	No
Siam cement, Keang Khoi, Saraburi	Operating the cement kiln by using wastes as fuel (energy recovery) Used lubricated oil, waste paints and glues, etc. Used tires	R1 and R2	2 t/hr 1.2 t/hr	No
Lead Melting Industries	Recycling of lead from used lead-acid batteries	R4	28,000 t/yr	No
Solvent Recovery Unities are:	1		I	l
Techno-chem Ltd., Chacheongsoa	1,1,1-Trichloroethane, 1,1,2-Trichloroethylene, 1,1,3-Trichlorotrifluoroethane, Methylenechloride, Isopropyl alcohol		1,500 t/yr	No
Recycle Engineering Ltd., Chonburi	Solvent and chemicals		10,000 t/yr	No

Facility/operation or process (Name, address, organization/company, etc.)	Description of the facility, operation or process	Recovery operation (Annex IVB)	Capacity of the facility (in metric tonnes)	Does the facility treat wastes imported Yes/No
TUNISIA  The Tunisian Company of Lubrication Oils (SOTULUB)	Preflash/gas oil stripping/vacuum distillation/ fractionation	R9	16000	No
Two Composting facilities for organic household wastes	Aerobic digestion	R10	50000	No
Eight private companies recycling plastic wastes	Physical process (extrusion)	R3	20000	No
One company recycling used tyres	Shredding/separation of the metallic and synthetic fibres/crushing	R3	1000	No
Two companies recycling waste papers and paperboard	Recovery of fibres using pulpers/drying	R5	40000	No
Two companies recycling photographic liquids and radiological films	Reclamation of metals	R4	1200	No
Five companies recycling aluminium wastes	Transformation to aluminium ingots	R4	2000	No
TURKEY Engin Petrol A.S.	Used oil re-refining or other reuses of previously used oil	R9		No
Çinkanlar Kim. Mad. Tic. Ve San. Ltd. Sti.	<ul> <li>Solvent reclamation/ regeneration</li> <li>Used oil re-refining or other reuses of previously used oil</li> </ul>	R2 R9		No
M/V BSEC MARMARA-1 Ship	Used oil re-refining or other reuses of previously used oil	R9		No
GÜVENER Kauçuk ve Plastik San. Tic. A.S.	Used oil re-refining or other uses of previously used oil	R9		No

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
	- Solvent reclamation/ regeneration	R2		
ER-KIM Kimya Sanayi ve Ticaret	- Used oil re-refining or other reuses of previously	R9		No
	used oil			

These facilities have been licensed by the Ministry of Environment for recovery.

### **UGANDA**

None.

### **UNITED KINGDOM**

There are too many facilities in the UK that are authorised to recover/recycle/re-use wastes. For information about specific facilities please contact the organisations below.

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

### **URUGUAY**

Waste lubricating oils and some rice hulls are incinerated in cement kilns.

UZBEKISTAN		R3,R5	37684.6	No
Rendering of hazardous industrial wastes at the	Treatment of wastes which leads to the reduction			
works where they were produced	or liquidation of their hazardous effects			

Facility/operation or process	Description of the facility, operation	Recovery	Capacity of	Does the
(Name, address, organization/company, etc.)	or process	operation	the facility	facility treat
		(Annex	(in metric	wastes
		IVB)	tonnes)	imported
		R code		Yes/No
Transmission of hazardous industrial wastes to	Using of these wastes as secondary raw material,	R4	19467.9	No
other enterprises for utilization and treatment	fuel, fertilizer and others	IX4	13407.3	NO
None.				
YUGOSLAVIA				
Information is not available.				
ZAMBIA		R1,R9	500 t/y	No
Kafco Ltd. Ndola	Reprocessing of used oils into fuels			
Still over 10,000 tonnes are not collected. Need for incre	ased capacity of recycling via a sound collection / take back	c system.		

# **Sources of technical assistance**

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
ALBANIA  NEA – National Environmental Agency		X			X	X	
Ministry of Agriculture and Food (Soil Institution)	X	X	X	X	X		
Ministry of Public Economy and Privatization (Institutions under its dependence)	X	X	X	X	X		
Ministry of Health	X	X	X		X		
GeoAlba				X			
Custom Offices							X
ECAT – Tirana		X			X		
Polytechnic University of Tirana			X				

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
ANDORRA  Department of Environment (Same address as the Focal Point)	X	X		X			
ARGENTINA  Secretaría de Desarrollo Sustentable y Política Ambiental, San Martín 459 Buenos Aires (1004), 05411-4348-8425 e-mail:mcraviotto@medioambiente. gov.ar www.medioambiente.gov.ar	X	X	X	X	X	X	X
Universidad de Ciencias Exactas y Naturales (UBA), Ciudad Universitaria, Buenos Aires, 05411-4576-3361, e-mail: majo@qb.fcen.uba.ar		X	X	X	X	X	
INTI-Instituto Nacional de Tecnología Industrial , Av. Gral. Paz e/Albarellos y Avenida de los Constituyentes 05411-4724-0587			X	X	X	X	
Comisión Nacional de Energía Atómica CNEA Av. Del Libertador 8250 05411-0704-1000			X	X	X	X	

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
INA - Instituto Nacional del Agua y el Ambiente, Autop. Ezeiza Cañuelas km1620 Ezeiza, 05411-44480-9219/448.9225			X	X	X	X	
CITEFA Instituto de Investigaciones Científicas y Técnicas de las FFAA J. Zufriategui 4380-Villa Martelli 05411-4709-0391			X	X	X	X	

### **AUSTRALIA**

Information could be obtained from:

http://www.ea.gov.au/

http://www.environment.act.gov.au/ie4/

http://www.search.nsw.gov.au/environment.asp

http://www.nt.gov.au/ntg/environment.shtml

http://www.env.qld.gov.au/environment/environment/legislation/epa.html

http://www.sa.gov.au/environment/protection/

http://www.service.tas.gov.au/Nav/Topic.asp?Topic=Environment%2C+land+and+water

http://www.vic.gov.au/subindex.cfm?link\_ID=14

http://www.environ.wa.gov.au/

## **AUSTRIA**

Information could be obtained from:

Federal Environment Agency, A-1090 Spittelauer Lände 5, Vienna or via the Internet:

http://www.ubavie.gv.at/umweltsituation/abfall/wegweiser/toc.htm

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
BELGIUM							
Information could be obtained from the Competent	Authorities.						
BOTSWANA			X		X		
Botswana Technology Centre							
University of Botswana		X	X	X	X		
Botswana Institute of Engineers		X	X	X	X		
Med-Rescue						X	
Botswana National Police							X
Botswana Customs Excise							X
National Disaster Preparedness Committee establi	shed and measur	res for its strengt	hening being esta	ablished/ensured.			
BRAZIL							
Companhia de Tecnologia de Saneamento Ambiental (CETESB) - Av. Prof. Frederico Herman Jr. 345, Altos de Pinheiros, São Paulo/SP CEP 05489-900	X	X	X	X	X	X	

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Fundação Estadual de Engenharia do Meio Ambiente (FEEMA) - Rua Fonseca Telesm 121, 15° andar, São Cristovão, Rio de Janeiro/RJ – CEP 20.940-200	X	X	X	X	X	X	
Fundação Estadual de Proteção Ambiental (FEPAM), Av. A. J. Renner, 10, Navegantes, Porto Alegre/RS – CEP 90.245-000	X	X			X	X	
Fundação Estadual de Meio Ambiente (FATMA) - Rua Felipe Schmidt, 485 Centro, Florianópolis/SC – CEP 88.010-970	X	X			X	X	
Instituto Ambiental do Paraná (IAP) - Rua Desembargador Motta, 3.384, Curitiba/PR – CEP 80.430-200	X	X			X	X	
Fundação Esta dual do Meio Ambiente do Estado de Minas Gerais (FEAM) - Av. Prudente de Morais, 1.671/Belo Horizonte/MG - CEP: 30.300 -000	X	X			X	X	
Instituto de Pesquisas Tecnológicas – IPT - Av. Armando Salles, Cidade Universitária, São Paulo/SP – CEP 05.508-991			X				
Universidade de São Paulo – USP (same address as above)			X				
Universidade de Campinas – UNICAMP - Pátio da Reitoria Universitária, Barão Geraldo Campinas/SP - CEP 13.081-970			X				

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Universidade Federal do Estado do Rio Janeiro – UFRJ - Cidade Universitária – Ilha do Fundão – Rio de Janeiro/RJ CEP 21.944-970			X				
Superintendência de Limpeza Urbana de Belo Horizonte - SLU/BH - Av. Eugênio Ricaldoni, 440, - Gameleira. Belo Horizonte/MG - CEP:30.535-660			X				
Serviço de Limpeza Urbana do Distrito Federal – SLU - SEPS Q.702/902 - Ed. LEX - 2° andar Brasília/DF - CEP: 70.390-025			X				
Centro das Indústrias das Cidades Industriais de MG/Centro de Assistência Industrial para o Meio Ambiente - CICI/CAIMA – Av. Babita Camargos, 766, Cidade Industrial Contagem/MG - CEP: 32.210-180			X				
Pontifícia Universidade Católica do Paraná – PUC/PR - Rua Imaculada Conceição, 1155, Prado Velho, Curitiba/PR, CEP: 60.215-901			X				
Departamento Municipal de Limpeza Urbana - (Município de Porto Alegre) – DMLU -			X				
Associação Brasileira de Entidades de Meio Ambiente – ABEMA - Rua General Osório, 83 – Centro – Vitória/ES – CEP: 29 028-900			X				

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic

### **BULGARIA**

Information could be obtained from:

Ministry of Environment and Water, Waste Management Department, 67, William Gladstone Str., Sofia 1000, tel. (359-2) 981-6610, 940-6259, 981-1183, fax: (359-2) 986-4848, e-mail: KaradjovaN@moew.govrn.bg, MarianaSIR@moew.govrn.bg, LB@moew.govrn.bg

CAMBODIA				
Ministry of Environment, #48, Samdech				
Preah Sihanenek, Tonle Bassac, Chamkar				
Morn, Phnom Penh				

## **CANADA**

Chief, Transboundary Movement Division, Toxic Pollution Prevention Directorate, Environment Canada, 351 St. Joseph Blvd., 12<sup>th</sup> floor, Hull, Québec, K1A OH3, Tel: (1-819) 953-1390, Fax: (1-819) 997-3068

Canadian Environmental Industry Association, S 280-350 Sparks Street, Ottawa, Ontario, Canada K1R 7S5

Directory of Contaminated Sites Services, which presents a profile of firms in Canada that provide services associated with the assessment and remediation of contaminated sites, Chief, Contaminated Sites Division, Environmental Technologies Advancement Directorate, Environment Canada, 351 St. Joseph., 12<sup>th</sup> floor, Hull, Québec, K1A OH3

Association of Consulting Engineers of Canada, 130 Albert St., Suite 616, Ottawa, Ontario, K1P 5G4

Association of Municipal Recycling Coordinators, 25 Douglas Street, Guelph, Ontario, N1H 2S7

		Field of								
Name and address of institutions				Assistance						
	Notification	Management	Environmentally	Assessment of	Monitoring of	Emergency	Identification			
	system	of hazardous	sound	disposal	hazardous	response	of cases of			
		wastes and	technologies	capabilities and	wastes and		illegal traffic			
		other wastes		sites	other wastes					

Chief, Emergency Sciences Division, Environmental Technology Advancement Directorate, Environmental Technology Centre, Environment Canada, 3439 River Road, Gloucester, Ontario, K1A OH3

"Directory of Hazardous Waste Services" available from: Southam Information and Technology Group, 1450 Don Mills Road, North York, Ontario, M3B 2X7

"Canadian Environmental Directory 1998/99" available from: Publisher: IHS/Micromedia, ISSN 1187-1202 or on CD-ROM format, ISSN 1480-95-32, IHS SOLUTIONS LIMITED, 1 Antares Drive, Nepean, Ontario, K2E 8C4, (1-613) 225-2300

CHILE  Ministry of Health, Mc Iver 541, Santiago	X			X	
National Environment Directorate, Av. Larrain 9975, Santiago	X				
CHINA  Asia-Pacific Regional Center for Hazardous Waste Management Training and Technology Transfer (Beijing)	X	X	X		
Shenyang Institute of Environmental Science	X	X	X		
The National Center for Hazardous Waste Management Training and Technology Transfer (Tsinghua University)	X	X	X	X	
Chinese Research Academy of Environmental Science	X	X	X	X	
Nanjing Institute of Environmental Science	X	X	X	 X	

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
COLOMBIA	X						
Ministry of Environment of Colombia							
National Centre of Cleaner Production and Environmental Technologies			X	_	_		_
Colombian Security Council						X	
Regional Autonomous Corporations					X		
Institute of Hydrology, Meteorology and Environmental Studies – IDEAM-							
National Univestity of Colombia- Research Program of solid wastes		X					
National Police Department - Direction of Taxes and National Customs - DIAN							X
Colombian Institute of Petroleum						_	
Ministry of Health		X					

# **CROATIA**

Information could be obtained from the Focal Point. The hazardous waste inventories are in the process of preparation.

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
CUBA	X	X					X
Centro de Inspección y Control Ambiental							
Centro de Gestión Ambiental		X	X				
Consultoría CESIGMA		X	X	X	X		
Consultoría GEMA		X	X	X	X		
CYPRUS  Information could be obtained from the Focal Poi	nt						
information could be obtained from the Focal For							
DENMARK							
Danish EPA, Strandgade 29, 1401 copenhagen, Denmark. Help is granted on ad hoc basis	X	X	X	X	X	X	X
Municipalities. Help is granted on ad hoc basis				X	X	X	X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
ECUADOR							
Technical Secretariat of Dangerous Chemicals Products, Eloy Alfaro and Amazonas Av., Building MAG, Floor 8, Quito – Ecuador, (5932) 563492	X	X		X			X
Clean Production Center, Cámara de la Pequeña Industria, Centro de Exposiciones Quito, Piso 2, Quito - Ecuador			X				
Centro de Información Toxicológica, Hospital Eugenio Espejo, Quito-Ecuador						X	
National Polytechnic University, Ladron de Guevara 253, Quito-Ecuador		X	X	X	X		
Escuela Politécnica del Litoral, Campus Politécnico , Guayaquil - Ecuador		X	X	X	X		
EL SALVADOR							
Ministerio de Medio Ambiente y Recursos Naturales, Alameda Roosevelt y 55 Av. Nte., Edif. Torre El Salvador, San Salvador	X			X	X	X	X
Centro Subregional para Centro America y Mexico (Convenio de Basilea), Alameda Roosevelt y 55 Av. Nte., Edif. E1 Salvador, 50 Nivel,k San Salavdor	X	X	X	X	X	X	

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Centro Nacional de Produccion Mas Limpia, Asociacion Salvadorena de Industriales, Col. Roma, San Salvador			X				
Comite de Emergencia Nacional						X	
Ministerio de Salud Publica y Asistencia Social		X			X	X	

### **FINLAND**

Several universities, research institutes and private companies. It is not possible to give an exhaustive list of them in the requested form. In the following list there are governmental organizations and companies partly owned by the government, as an example of the assistance available:

Ministry of the Environment (focal point of the Basel Convention), Contact information: P.O. Box 380, FIN-00131 Helsinki, tel. (358 9) 19911, fax (358 9) 1991 9716, website www.vyh.fi

Finnish Environment Institute: environmental research and development organization dealing, among other things, with various matters connected with wastes and their management. Finnish Environment Institute is also the competent authority responsible for the control of transboundary movements of wastes. Contact information: Finnish Environment Institute, P.O. Box 140, FIN-00251 Helsinki, tel. (358 9) 403000, web-site: www.vyh.fi

Ekokem Ltd: the major hazardous waste disposal facility in Finland comprising e.g. two high-temperature incineration plants, a physical-chemical plant and a special landfill. Ekokem Ltd possesses a lot of expertise and know-how on hazardous waste management and environmentally sound technologies. Contact information: Ekokem Ltd, P.O.Box 181, FIN-11101 Riihimäki, tel (358 19) 7151, fax (358 19) 715300, web-site www.ekokem.fi

VTT Technical Research Centre of Finland: Research institute having expertise on various sectors including environmental protection, waste management and non-waste technology. Contact information: VTT, P.O. Box 1000, FIN-02044 VTT, tel. (358 9) 4561, fax (358 9) 4567000, web-site www.vtt.fi

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
FRANCE							
ADEME (Agence de l'Environnement et de la Maitrise de l'Energie), 2 square Lafayette, BP 406, 49004 Angers Cedex		X	X	X	X		
INERIS, Parc Technologique Alata, BP 2, 60550 Verneuil-en-Alatte		X	X	X	X		
INSA -POLDEN, BP 2132 Villeurbanne Cedex		X	X	X	X		
BRGM, BP 6009, 45060 Orleans Cedex 2		X	X	X	X		
The most important companies treating waste have	e research labora	tories and also p	rovide assistance	in these fields.			
GAMBIA (THE)	X	X	X	X	X	X	X
National Environment Agency							
GERMANY	X						X
Regierungspräsidium Dresden Postfach 100653, D-01076 Dresden							
Technische Universität Cottbus Karl-Marx-Strasse 17, D-03044 Cottbus			X				
Industrie - und Handelskammer Cottbus Goethestrasse 1, D-03046 Cottbus		X					

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Regierungspräsidium Halle Postfach 20 02 56, D-06003 Halle	X						X
Bergamt Halle Postfach 110216, D-06016 Halle/Saale	X						X
Regierungspräsidium Dessau Postfach 1205, D-06839 Dessau	X						X
Industrie - und Handelskammer Ostthüringen Gaswerkstr. 23, D-07546 Gera		X	X				
Staatliches Umweltamt Gera Hermann-Drechsler-Str. 1, D-07548 Gera		X		X	X		
Thüringer Landesanstalt für Umwelt Prüssingstr. 25, D-07745 Jena			X				
Senatsverwaltung für Stadtentwicklung Brückenstr. 6, D-10173 Berlin	X						X
Umweltbundesamt Anlaufstelle Basler Übereinkommen Postfach 330022, D-14191 Berlin	X		X				X
Industrie - und Handelskammer Potsdam Große Weinmeisterstr. 59, D-14469 Potsdam		X					
Landesumweltamt Brandenburg Postfach 601061, D-14410 Potsdam	X						
Sonderabfallgesellschaft Brandenburg Berlin mbH, Berliner Str. 27a, D-14469 Potsdam		X		X			
Industrie - und Handelskammer Frankfurt (Oder) Bahnhofstr. 12, D-15230 Frankfurt (Oder)		X					

Name and address of institutions	Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
Industrie - und Handelskammer									
Neubrandenburg Katharinenstr. 48, D-17033 Neubrandenburg		X	X						
Staatliches Amt für Umwelt und Natur Ueckermünde Kastanienalle e 13, D-17373 Ueckermünde	X	X		X			X		
Staatliches Amt für Umwelt und Natur Neubrandenburg, Helmut-Just-Str. 8, D- 17036 Neubrandenburg	X	X		X			X		
Industrie - und Handelskammer Rostock Ernst-Barlach-Str. 1-3, D-18055 Rostock		X	X						
DEKRA Akademie GmbH Schonenfahrerstrasse 7, D-18057 Rostock	X	X	X						
TOKOM-Partner Rostock GmbH Gerhard-Hauptmann-Str. 21 D-18057 Rostock	X	X	X						
Staatliches Amt für Umwelt und Natur Rostock Erich-Schlesinger-Str. 35, D-18059 Rostock	X	X		X			X		
RWTÜV Akademie Mecklenburg GmbH Messestr. 20, D-18069 Rostock		X	X						
Landesamt für Umwelt und Natur Mecklenburg Vorpommern Goldberger Str. 12, D-18273 Güstrow	X	X	X	X	X				
Staatliches Amt für Umwelt und Natur Stralsund, Badenstr. 18, D-18439 Stralsund	X	X		X			X		

Name and address of institutions	Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
Industrie - und Handelskammer Schwerin Schlossstr. 17, D-19053 Schwerin Staatliches Amt für Umwelt und Natur		X	X						
Schwerin Pampower Str. 66/68, D-19061 Schwerin	X	X		X			X		
Staatliches Amt für Umwelt und Natur Lübz Blücher-Str. 8, D-19386 Lübz	X	X		X			X		
Industrie - und Handelskammer Lüneburg- Wolfsburg, Am Sand 1,, D-21335 Lüneburg		X							
Industrie - und Handelskammer für den Elbe - Weser-Raum, Am Schäferstieg 2, D-21680 Stade		X							
Vereinigung der Industrie - und Handelskammern in Schleswig-Holstein D-24100 Kiel									
Oldenburgische Industrie - und Handelskammer Moslestr. 6, D -26122 Oldenburg		X							
Industrie - und Handelskammer für Ostfriesland und Papenburg Ringstr. 4, D-26721 Emden		X							
Fachhochschule Nord-Ost Niedersachsen Herbert-Meyer-Str. 7, D -29556 Suderburg			X						
Niedersächsische Gesellschaft zur Endablagerung von Sonderabfällen mbH (NGS) Alexanderstr. 4 – 5, D-30159 Hannover	X	X	X	X	X				

Name and address of institutions	Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
TÜV Hannover/Sachsen-Anhalt e.V. Zentrale Hannover, D-30159 Hannover Industrie - und Handelskammer Hannover-			X		X				
Hildesheim, Schiffgraben 49, D-30175 Hannover		X							
Universität Hannover Welfengarten 1, D-30167 Hannover			X						
Unternehmerverbände Niedersachsen e.V. Schiffgraben 36, D-30175 Hannover		X							
Niedersächsisches Landesamt für Ökologie An der Scharlake 39, D-31135 Hildesheim			X	X					
Regierungspräsidium Gießen Abteilung Staatliches Umweltamt Wetzlar Schanzenfeldstr. 10– 12, D-35578 Wetzlar	X				X	X	X		
Regierungspräsidium Kassel Abteilung Staatliches Umweltamt Bad Hersfeld Postfach 1861, D -36228 Bad Hersfeld	X				X	X	X		
Industrie - und Handelskammer Braunschweig Brabandstr. 11, D-38100 Braunschweig		X							
Technische Universität Braunschweig Pockelstr. 14, D-38106 Braunschweig			X						
Clausthaler Umwelttechnik Institut GmbH Leibnitzstraße 23 D-38678 Clausthal-Zellerfeld			X						

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Technische Universität Clausthal Adolf-Roemer-Str. 2 A D-38678 Clausthal-Zellerfeld			X				
Gesellschaft für betriebliche Beratung und Betreuung mbH Erkratherstr. 141, D-40233 Düsseldorf	X						
Landesumweltamt Nordrhein-Westfalen Postfach 102363, D-45023 Essen		X	X	X			
prenvi GmbH Hagedornstr. 22, D-40721 Hilden	X						
RWTÜV Fahrzeug GmbH Akademie für Verkehrstechnik Hansastr. 37 – 41, D-44866 Bochum	X		X				
Haus der Technik e.V. Hollestr. 1, D-45127 Essen	X	X					
WMD Waste Management Deutschland Holding GmbH Im Teelbruch 134 b, D-45219 Essen	X		X				
Bildungstentrum für die Entsorgungs- und Wasserwirtschaft GmbH, DrCarsten- Rohwedder-Str. 70, D-47228 Duisburg	X	X					
Fachhochschule Münster Hüfferstr. 27, D-48149 Münster		X	X				
Handwerkskammer Münster Bismarckallee 1, D-48151 Münster	X	X	X				
Industrie - und Handelskammer zu Münster Sentmaringer Weg 61, D-48151 Münster		X					

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Industrie - und Handelskammer Osnabrück- Emsland, Neuer Graben 38, D-49074 Osnabrück		X					
Industrie - und Handelskammer Aachen Theaterstr. 6 – 10, D-52062 Aachen		X					
RWTH Aachen Templergraben 55, D-52056 Aachen		X	X				
Industrie - und Handelskammer zu Köln Postfach, D -50606 Köln		X					
Landesamt für Umweltschutz und Gewerbeaufsicht Rheinallee 97 – 101, D-55118 Mainz		X	X	X			X
Sonderabfall-Management-Gesellschaft (SAM), Wilhelm-Theodor-Römheld-Str. 34 D-55130 Mainz							
Regierungspräsidium Darmstadt Abt. Staatliches Umweltamt Darmstadt Wilhelminenstrasse 1 - 3 D-64278 Darmstadt	X	X	X		X	X	X
Deutsche Gesellschaft für Technische Zusammenarbeit mbH (GTZ), Dag- Hammarskjöld-Weg 1-5, D-65760 Eschborn		X	X	X	X		
Universität Kaiserslautern Erwin-Schrödinger-Str. D-67663 Kaiserslautern			X				

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Landesanstalt für Umweltschutz Baden- Württemberg Griesbachstr. 1, D-76185 Karlsruhe		X	X	X	X	X	
Industrie - und Handelskammer Südlicher Oberrhein Schnewlinstr. 11, D-79098 Freiburg		X	X				
Bildungszentrum und Unternehmensb. für Abfall und Gefahrgut, Dr. Thomczyk, Darriwald 7, D-79108 Freiburg		X					
Regierung von Oberbayern D-80534 München	X						X
Gesellschaft zur Entsorgung von Sondermüll in Bayern mbH (GSB) Winzererstrasse 97d, D-80797 München		X					
Bayrisches Landesamt für Umweltschutz Rosenkavalierplatz 3, D-81925 München		X					
Regierung von Niederbayern Postfach, D-84023 Landshut	X						X
Regierung von Schwaben Postfach, D-86145 Augsburg	X						X
Sonderabfallentsorgung Franken GmbH (SEF) Siemensstrasse 3-5, D-91124 Schwabach		X					
Regierung von Mittelfranken Postfach 606, D-91511 Ansbach	X						X
Regierung der Oberpfalz Postfach, D-93039 Regensburg	X						X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Regierung von Oberfranken Postfach 11 01 65, D-95420 Bayreuth	X						X
Regierung von Unterfranken Postfach 6349, D-97013 Würzburg	X						X
Staatliches Umweltamt Suhl Weidbergstr. 30, D-98527 Suhl		X		X	X		
Industrie - und Handelskammer Südthüringen Hauptstr. 33, D-98529 Suhl-Mäbendorf		X	X				
Staatliches Umweltamt Erfurt Hallesche Str. 16, D-99085 Erfurt		X		X	X		
Industrie - und Handelskammer Erfurt Weimarische Str. 45, D-99099 Erfurt		X	X				
Thüringer Landesverwaltungsamt (TLVwA) Postfach 2249, D-99403 Weimar	X						X
Thüringer Sonderabfallgesellschaft mbH Auf der Waidmühle 10 D-99102 ErfurtWaltersleben		X		X		X	
Staatliches Umweltamt Sondershausen Am Petersenschacht 3 D-99706 Sondershausen		X		X	X		
ICELAND	X	X	X	X	X	X	X
Environmental and Food Agency of Iceland Ármúli 1a, IS-128 Reykjavík Reykjavík Fire Brigade						v	
Skógarhlíð 14, IS-101 Reykjavík						X	

Name and address of institutions	Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
INDONESIA									
Directorate of Hazardous Waste and Substance Management, 5 <sup>th</sup> floor, Jl. Di Panjaitan Kav 24, Jakarta	X	X	X	X	X	X	X		
Directorate of Customs, Jl. A. Yani, Jakarta	X						X		
Department of Industry and Trade	X						X		
IRAN (ISLAMIC REPUBLIC OF)									
Sharif University, Tehran									
Tehran University									
Tarbiat Modaress University, Tehran									
Khageh Nassir University, Tehran									
Shiraz University, Shiraz									
IRELAND  Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford	X	X	X	X	X		X		

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Local Authorities	X	X	X	X	X	X	X
Department of the Environment and Local Government							
Enterprise Ireland, Glasnevin		X	X				
Health and Safety Authority		X					
ISRAEL Hazardous Materials Training Center (MOE)		X	X			V	
Ministry of Labor (Safety & Hygiene Institution)		X	X				
Hebrew University, Jerusalem		X	X		X		
Ben-Gurion University, Beer-Sheva		X	X				
Technion (Israel Institute of Technology), Haifa		X	X				
Hazardous Materials Division (MOE)	X	X	X	X	X	X	X
Hydrological Service (Water Governorship)					X		
JAPAN	X						
Environment Agency							

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Ministry of International Trade and Industry	X						
Japan International Cooperation Agency (JICA)		X					

JICA holds seminar on comprehensive solid waste management periodically.

# KYRGYZSTAN

None.

rone.							
LATVIA							
Center of Environmental Science and Management Studies of University of Latvia, 19, Raina blvd, Riga		X	X				
Latvian Waste Managements Associations, 21 Aizkraukles Str, Riga		X					
LESOTHO		X	X	X	X		
National University of Lesotho							
National Environment Secretariat	X	X					
Maseru City Council		X		X	X	X	X
Disaster Management Unit						X	X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
LITHUANIA							
Information is not available.	T		1	1	1		T
LUXEMBOURG							
Administration of the Environment, Division des Déchets, 16, rue Ruppert L-2453, Luxembourg	X				X		X
CRTE, 66, rue de Luxembourg, L-4002 ESCH/ALZETTE			X				
SuperDrecksKëscht fiir Betriiber 18, rue Stümper, L-2557 Luxembourg		X					
MALAYSIA	X	X		X	X		
Department of Environment							
Customs and Excise Department							X
Hazmat, Fire and Rescue Services						X	
Standards and Industrial Research Institute of Malaysia (SIRIM)			X				

Name and address of institutions				Field of Assistance			
Traine and address of Institutions	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
MALDIVES  Ministry of Home Affairs, Housing and Environment	X						X
MONGOLIA							
None.		1	1	I		T	1
MOROCCO							
Centre Marrocain de Production Propre (CMPP) – Moroccan Center for Cleaner Production							
MOZAMBIQUE	X	X	X	X	X	X	X
Ministry of Environmental Affairs							
Universidade Eduardo Mondlane			X				
INNOQ			X				
NEPAL							
Engineering Institute, Tribhuvan University							

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Environment Programj, Kathmandu University							
NETHERLANDS							
National Institute of Public Health and the Environment, LAE PO Box 1, 3720 BA Bilthoven					X		
Waste Management Council PO Box 19015, 3501 DA Utrecht		X		X	X		
LMA PO Box 241, 3440 AE Woerden					X		
Association of Dutch Waste Processors PO Box 135, 4840 AC Breda - Prinsenbeek		X	X				
Inspectorate of the Environment "Incident Room" phone +31 70 339 4341, fax +31 70 339 1301	X					X	X
Association of Provinces (IPO) PO Box 97728, 2509 GC The Hague		X		X	X		
NEW ZEALAND							
Ron McDowall, Director, Centre for Sustainable Management, Dept of Civil and Resource Engineering, University of Auckland, Private Bag, 92019, Auckland.		X	X	X		X	

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
NIGERIA  Federal Ministry of Environment Pollution Control and Environmental, Health Department, 7 <sup>th</sup> and 9 <sup>th</sup> Floor, Federal Secretariat, Shettn Shagari Way, P.M.B 468, Garki,- Abuja, or Games village, off Rode Thomas P.M.B, 3150 Surulere Lagos	X	X	X	X	X	X	X
OMAN  Ministry of Regional Municipalities & Environment, Directorate General of Environmental Affairs			X	X	X	Partial	X
PANAMA None.							
PAPUA NEW GUINEA  Office of Environment and Conservation, P.O. Box 6601, Boroko, NCD	X	X	X	X	X	X	X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
POLAND		X	X	X	X		
Institute of Environmental Protection							
Main Mining Institute		X	X	X	X		
Waste Management Institute		X	X	X	X		
State Geological Institute – hazardous waste landfills				X	X		
Almost all technical universities have faculties/tear	ms dealing with	waste manageme	ent.				
REPUBLIC OF KOREA  National Institute of Environmental Research Kvungseodong, Seo-Gu, Incheon City	X	X	X	X	X	X	
Korea Environment Institute 613-2, Bulgwangdong, Eunpyung-Gu, Seoul				X	X		
Environmental Management Corporation, 4- 15, Nonhyoundong, Kangnam-Gu, Seoul		X	X	X	X	X	
Korea Resource, Recovery and Reutilization Corporation, 24-5, Yoidodong, Youngdeungpo-Gu, Seoul		X	X		X		

Name and address of institutions	Field of Assistance							
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic	
ROMANIA								
Information is not available.								
RUSSIAN FEDERATION  State Committee of the Russian Federation on Environmental Protection (SCEP)	X	X	X	X	X	X	X	
Centre for International Projects (Subregional Training Centre) (CIP)	X	X	X	X	X	X	X	
Centre for Preparation and Implementation of International Projects on Technical Assistance (CPPI)	X	X	X	X	X			
Territory Committees on Environmental Protection	X	X	X	X	X	X	X	
SLOVAKIA  Ministry of Environment of the Slovak Republic, Nam. L.Stura 1, Bratislava	X	X	X	X	X	X	X	
SEA, Centre of Waste Management Bratislava, Hanulova 5/D, Bratislava	X	X	X		X	X	X	
Regional Training Centre Bratislava, Klobucnicka 7, Bratislava	X	X	X		X	X	X	
Slovak Technical University, Bratislava		X	X					

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Slovak Inspectorate of Environment, Karloveska 2, Bratislava	X	X				X	X
Experts established by the Ministry of Environment of the Slovak Republic		X	X	X			
National Cleaner Production Centre, Bratislava		X	X				
Industrial private sector		X	X	X	X		
SLOVENIA	X	X	X	X	X		X
Environmental Agency of RS Vojkova 1b, SF1000 Ljubljana							
Environmental Inspectorate of RS Vilharjeva 33, SI-1000 Ljubljana					X	X	X
Ministry for Internal Affaires Uprava uniformirane policije Štefanova 2, SI-1000 Ljubljana						X	X
Ministry for Internal Affaires Uprava policije CNB - Interpol Ljubljana Štefanova 2, SI-1000 Ljubljana							X
Ministry for Difence Uprava RS za zašcito in reševanje Kardeljeva plošcad 21, SI-1000 Ljubljana						X	

Name and address of institutions	Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
Ministry for Finance									
Carinska uprava RS						X	X		
Generalni carinski urad									
Šmartinska 55, SI-1000 Ljubljana									
Statisticni urad RS					X				
Vožarski pot 12, SI-1000 Ljubljana									
IBE d.d				X					
Hjdrihova 4, SI-1000 Ljubljana									
VGP Drava Ptuj d,d,				X					
Žnidaricevo nabrežje 11, SI- 2250 Ptuj									
Ekoinženiring d.o.o. (waste identification)		X							
Koroška cesta 14, SI-2390 Ravne na Koroškem		Λ							
Ikema d.o.o (waste identification) Orešje 4, SI- 2250 Ptuj		X							
Kemijski inštitut Ljubljana (waste									
identification)		X							
Hajdrihova 19, SI-1000Ljubljana									
Zavod za zdravstveno varstvo Kranj (waste									
identification)		X							
Gosposvedska 12, SI-4000Kranj									
Talum, tovarna aluminija d.d. (waste									
identification)		X							
Tovarniška 10, SI-2325 Kidricevo									
Zavod zza zdravstveno varstvo Celje (waste									
identification)		X							
Ipavceva 18, SI-Celje									

Name and address of institutions		Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic			
Iskraemco d.d. (waste identification) Savska loka 4, SI-4000 Kranj		X								
Rudnok Mežica Korlam d.o.o. (waste identification) Polena 6, SI-2393 Crna na Koroškem		X								
SOUTH AFRICA  Department of Environmental Affairs and Tourism	X	X	X		X	X				
Department of Water Affairs and Forestry		X		X	X	X				
Potchefstroom University		X	X			X				
Other Universities that offer courses		X	X			X				
Institute of Waste Management		X	X	X	X	X				
SPAIN  Consejo Superior de Investigaciones Científicas (CSIC), Serrrano 117, 28006- Madrid, www.csic.es		X	X		X	X				
Centro de Investigaciones Energéticas Medioambientales y Tecnológicas (CIEMAT), Avenida Complutense 22, 28040-Madrid, www.ciemat.es		X	X	X	X	X				

Name and address of institutions	Field of Assistance							
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic	
Centro de Estudios y Experimentación de Obras Públicas (CEDEX), Alfonso XII 3/5, 28014-Madrid, www.cedex.es		X	X		X	X		
Instituto de Salud Carlos III, Sinesio Delgado 6 (pabellón 3), 28029-Madrid, www.isciii.es					X			
Instituto Tecnológico Geominero de España (ITGE), Ríos Rosas 23, 28003-Madrid www.itge.mma.es				X	X	X		
Instituto Nacional de Oceanografía de España (IEO), Avenida de Brasil 31, 28020- Madrid, www.ieo.es					X			
Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA) Carretera Coruña km 7.5, 28040-Madrid www.inia.es			X		X			
SRI LANKA		X		X		X		
Ministry of Forestry and Environment								
Central Environmental Authority		X	X	X	X	X		
Industrial Technology Institute			X	X				
Sri Lanka Customs	X					X	X	
University of Colombo, University of Moratuwa, University of Peradeniya			X					

Name and address of institutions	Field of Assistance							
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic	
National Engineering Research and Development Institute			X					
Small and Medium Enterprise Developers as the implementing agency of the Federation of Chambers o9f Commerce and Industries, Sri Lanka for the Cleaner Production Center		X	X					
TANZANIA (UNITED REPUBLIC OF)  Chemical and Process, Engineering Department, University of Dar-Es-Salaam, P.O. Box 35131 Dar-Es-Salaam		X	X	X				
Department of Environmental Engineering, University College of Lands and Architectural Studies, P.O. Box 35175 Dar- Es-Salaam		X	X	X				
THAILAND  Department of Industrial Works (DIW)	X	X	X	X	X		X	
Pollution Control Department (PCD)		X	X	X	X	X	X	
Environmental Research and Training Center (ERTC)				X	X		X	
Department of Environment Quality Promotion (DEQP)								

Name and address of institutions	Field of Assistance							
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic	
Environmental Research Institute of Chulalongkorn University (ERIC)		X	X	X	X	X	X	
TUNISIA								
None.								
TURKEY	X	X	X	X	X		X	
Ministry of Environment								
Ministry of Industrial and Trade			X					
Turkish Union of Stock Markets and Chambers of Commerce and Industry		X	X		X	X		
Middle East Technical University (Department of Environmental and Chemical Engineering)		X	X	X	X	X		
Bogaziçi University (Turkish National Committee on Solid Wastes)		X	X		X	X		
Institution of Turkish Scientific and Technical Research					X			
UGANDA  NEMA (National Environment Management Authority), P.O. Box 22255 Kampala	X	X		X	X			

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Uganda Revenue Authority							X
Uganda Police							X
Makerere University of Kampala, P.O. Box 7062 Kampala		X	X				
National Drug Authority, P.O. Box 9051 Kampala		X	X	X			
However, the institutions above cannot be expected	d to be absolute a	authorities as suc	ch.				
UNITED KINGDOM							
Waste Management, Industry and Training Advisory Board (WAMITAB), PO Box 176 27 Marefair, Northampton NN1 1SB Tel: +44 (0)1604 231950 Fax: +44 (0)1604 232457 www.wamitab.org.uk		X	X	X	X	X	
(Every waste management facility must have personnel training to the appropriate level of competence with a certificate of technical competence).							

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Environmental Services Association (ESA) 154 Buckingham Palace Road London SW1W 9TR Tel: + 44 (0)20 7824 8882 Fax: + 44 (0)20 7824 8753 E-mail: info@esauk.org www.esauk.org (ESA has a wide range of training courses)		X	X	X	X	X	
Institute of Waste Management (IWM) 9 Saxon Court St. Peters Gardens Northampton NN1 1SX Tel: + 44 (0)1604 620426 Fax: + 44 (0)1604 621339 E-mail: technical@iwm.co.uk www.iwm.co.uk (IWM has a wide range of courses)							
Environment Agency, TFS National Service Mirwell, Carrington Lane Sale, Manchester, M33 5NL Tel: + 44 (0)161 973 2237 Fax: +44 (0)161 976 4358 www.environment-agency.gov.uk (The Environment Agency provides technical guidance on waste management.)	X	X	X	X	X	X	X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Scottish Environment Protection Agency (SEPA), Clearwater House, Heriott Watt Research Park, Avenue North Riccarton Edinburgh, EH14 4AP  Tel: +44 (0)131 449 7296  Fax: +44 (0)131 449 7277  www.sepa.org.uk	X	X	X	X	X	X	X
Waste Management Information Bureau (WMIB), F6 Culham, Abingdon, Oxfordshire, OX14 3DB  Tel: +44 (0)1235 463162 Fax: +44 (0)1235 463004 E-mail: wmib@aeat.co.uk www.wmib.org.uk/		X	X				
National Chemical Emergency Centre (NCEC), F6 Culham Laboratory, Abingdon, Oxfordshire, OX14 3DB  Tel: +44 (0) 1235 463060  Fax: +44 (0) 1235 463070  E-mail: ncec@aeat.co.uk  www.the-ncec.com/index.html						X	
URUGUAY Dinama	X	X		X	X	X	X

Name and address of institutions	Field of Assistance								
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
Latu				X	X				
Faculty of Engineering		X	X	X	X				
National Fire Brigade Directorate						X			
UZBEKISTAN  State Committee for Nature Protection, 7, Kadiry St., Tashkent, 700128	X	X	X	X	X	X			
Tashkent Research Institute "VODGEO", 7, Drujba Narodov Ave., block "E", Tashkent, 700043	X	X	X	X					
Agency "Uzcommunalhizmat", 1, Nijazbek juli, Tashkent, 700035			X	X					
Ministry of Emergency, 6, Mustakillik, Tashkent, 700078						X			
VIETNAM  National Environment Agency	X	X			X		X		
National Environment Agency									
YEMEN	X	X	X	X	X	X	X		
EPC									
Ministry of Transport				X		X	X		

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Ministry of Helath		X		X		X	X
Ministry of Industry		X		X		X	X
Ministry of Agriculture		X		X		X	X
Custom Department				X		X	X
Sana'a University		X		X			
Aden University		X		X			
Hadramout University		X		X			
Taiz University		X		X			
YUGOSLAVIA  Department for Environment, Federal Ministry for Health and Social Policy, Palata Federacije, 11070 Beograd	X	X	X	X			X
City Public Health Institute, 29. novembra 54a,11000 Beograd		X			X	X	X
Institute for nuclear and other mineral raw materials – ITNMS, Frans D'Epere 86, 11000 Beograd			X				

Name and address of institutions		Field of Assistance							
Tvaric and address of histiations	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic		
ZAMBIA	X	X	X	X	X				
Environmental Council of Zambia									
University of Zambia		X	X						
Copperbelt University		X	X						
Zambia Chamber of Commerce and Industry (ZACCI)			X			X			
Disaster Management Programme									

## **Sources of financial assistance**

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic

#### **ANDORRA**

None.

#### **ARGENTINA**

Information could be obtained from: www.medioambiente.gov.ar

#### **AUSTRALIA**

Information could be obtained from:

http://www.ea.gov.au/

http://www.environment.act.gov.au/ie4/

http://www.search.nsw.gov.au/environment.asp

http://www.nt.gov.au/ntg/environment.shtml

http://www.env.qld.gov.au/environment/environment/legislation/epa.html

http://www.sa.gov.au/environment/protection/

http://www.service.tas.gov.au/Nav/Topic.asp?Topic=Environment%2C+land+and+water

http://www.vic.gov.au/subindex.cfm?link\_ID=14

http://www.environ.wa.gov.au/

Name and address of institutions				Field of Assistance			
Traine and address of institutions	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
BELGIUM							
Information could be obtained from the Competent	Authorities.		1				T
BOTSWANA		X	X	X	X	X	X
Ministry of Finance							
BRAZIL							
Banco de Desenvolvimento Econômico e Social (BNDES) - Setor Bancário Sul, Quadra 1 - Bloco "J" Térreo Brasília/DF - CEP 70.070-100		X	X	X			
Financiadora de Estudos e Projetos (FINEP) - Praia do Flamengo, 200 – 13º andar – Rio de Janeiro/RJ – CEP 22.210-030		X	X	X			

### **BULGARIA**

Information could be obtained from:

Ministry of Environment and Water, Waste Management Department, 67, William Gladstone Str., Sofia 1000, tel. (359-2) 981-6610, 940-6259, 981-1183, fax: (359-2) 986-4848, e-mail: KaradjovaN@moew.govrn.bg, MarianaSIR@moew.govrn.bg, LB@moew.govrn.bg

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic

#### **CAMBODIA**

None.

#### **CANADA**

Chief, Transboundary Movement Division, Toxic Pollution Prevention Directorate, Environment Canada, 351 St. Joseph Blvd., 12<sup>th</sup> floor, Hull, Québec, K1A OH3, Tel: (1-819) 953-1390, Fax: (1-819) 997-3068

Canadian Environmental Industry Association, Phase 11, #204, 6 Antares Drive, Nepean, Ontario

Directory of Contaminated Sites Services, which presents a profile of firms in Canada that provide services associated with the associated with the assessment and remediation of contaminated sites, Chief, Contaminated Sites Division, Environmental Technologies Advancement Directorate, Environment Canada, 351 St. Joseph, 12<sup>th</sup> floor, Hull, Québec, K1A OH3

Association of Consulting Engineers of Canada, 130 Albert St., Suite 616, Ottawa, Ontario, K1P 5G4

Association of Municipal Recycling Coordinators, 25 Douglas St., Guelph, Ontario, N1H 2S7

STOP, 716, rue St.-Ferdinand, Montreal, Québec, H4C 2T2

Chief, Emergency Sciences Division, Environmental Technology Advancement Directorate, Environmental Technology Centre, Environment Canada, 3439 River Road, Gloucester, Ontario, K1A OH3

Wastewater Technology Centre, 867 Lakeshore Road, P.O. Box 5068, Burlington, Ontario, L7R 4L7

"Directory of Hazardous Waste Services" available from: Southam Information and Technology Group, 1450 Don Mills Road, Don Mills, Ontario, M3B 2X7

Name and address of institutions				Field of Assistance			
Traine and address of institutions	Notification	Management	Environmentally	Assessment of	Monitoring of	Emergency	Identification
	system	of hazardous	sound	disposal	hazardous	response	of cases of
	System	wastes and	technologies	capabilities and	wastes and	response	illegal traffic
		other wastes		sites	other wastes		
"Canadian Environmental Directory 1998/ 32	99" available ्	from: Publisher	r: IHS/Microme	edia, ISSN 1187	-1202 or on CD	-ROM format,	ISSN 1480-95-
CHILE							
None.	1		_	T	T		1
CHINA							
Asia-Pacific Regional Center for Hazardous							
Waste Management Training and							
Technology Transfer (Beijing)							
Shenyang Institute of Environmental Science							
The National Center for Hazardous Waste							
Management Training and Technology							
Transfer (Tsinghua University)							
Chinese Research Academy of							
Environmental Science							
Nanjing Institute of Environmental Science							
	I	ı	1	ı	ı	ı	ı

Information could be obtained from the Focal Point. The hazardous waste inventories are in the process of preparation.

CROATIA

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
DENMARK  Danish EPA, Strandgade 29, 1401 copenhagen, Denmark. Help is granted on ad hoc basis	X	X	X	X	X	X	X
ECUADOR  Banco Interameric ano de Desarrollo, BID		X	X	X			
World Bank		X	X	X			
Banco Ecuatoriano de Desarrollo, BEDE, Atahualpa y 10 de Agosto Av.		X	X	X			

## **FINLAND**

Information could be obtained from:

Ministry of the Environment (the Focal Point of the Basel Convention), P.O. Box 380, FIN-00131 Helsinki

FRANCE							
Ministere des Affaires Etrangeres, Direction Generale de la Cooperation Internationale et du Developpement, 244 Boulevard Saint- Germain, 75303 Paris 07SP	X	X	X	X	X	X	X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
ADEME, 27 Rue Louis Vicat, 75737 Paris Cedex 15	X	X	X	X	X		
GAMBIA (THE)							
Not available.							
GERMANY							
KfW Palmengartenstraße 5-9 D-60325 Frankfurt am Main		X	X	X	X		
Regierungspräsidium Darmstadt Abt. Staatliches Umweltamt Darmstadt Wilhelminenstrasse 1-3 D-64278 Darmstadt	X	X	X	X	X		
Bezirksregierung Düsseldorf Postfach 300865 D-40408 Düsseldorf			X				

## **JAPAN**

Information is not available.

## KYRGYZSTAN

None.

Name and address of institutions	Field of Assistance						
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
LATVIA		X	X	X		X	
Environmental Protection Fund of Latvia							
Environmental Investment Fund of Latvia		X					
EU Phare Programme		X					
T TOTAL A NIT A	•	•	•				

#### LITHUANIA

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## **MALDIVES**

None.

## MONGOLIA

None.

Name and address of institutions	Field of Assistance						
Traine and address of institutions	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
MOZAMBIQUE							
None.							
NETHERLANDS  Ministry of External Affairs, Directorate Ger +31 70 348 4881; email: DGIS@minbuza.nl: institution that gives this kind of assistance.  NIGERIA		_	_				
None.							
OMAN							
None.							
PANAMA							
None.							

Name and address of institutions				Field of Assistance			
Turne the teeress of histitutions	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
PAPUA NEW GUINEA							
None.	T						
POLAND							
Commercial banks: Bank for Environmental Protection Bank for Social and Economic Initiatives							
National Fund for Environmental Protection and Water Management at 3a Konstruktorska Street in Warsaw (operating solely in the territory of Poland)		X	X				
ROMANIA  Information is not available.							
RUSSIAN FEDERATION Federal Budget	X	X	X	X	X	X	X
Federal Ecological Fund	X	X	X	X	X	X	X
Regional Budgets	X	X	X	X	X	X	X
Regional Ecological Funds	X	X	X	X	X	X	X

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
Commercial Institutes	X	X	X	X	X	X	X
Enterprises	X	X	X	X	X	X	X
SLOVAKIA State Environmental Fund, Bratislava		X	X	X		X	
PHARE projects		X	X	X		X	
ISPA		X	X	X		X	
Financial assistance on bilateral basis		X	X	X		X	
SOUTH AFRICA None.							
SPAIN							
Instituto de Crédito Oficial (ICO), Paseo del Prado 4, 28014-Madrid, www.ico.es							
Agencia Española de Cooperación Internacional (AECI), Avenida de los Reyes Católicos 4, 28040-Madrid, www.aeci.es							
No concrete area of financing could be identified.		,	,				,

N 1 11 C: 44 4	Field of						
Name and address of institutions	Notification	Managamant	Environmentally	Assistance	Manitarina of	E	Identification
	system	Management of hazardous	sound	Assessment of disposal	Monitoring of hazardous	Emergency response	of cases of
	System	wastes and	technologies	capabilities and	wastes and	response	illegal traffic
		other wastes		sites	other wastes		
SRI LANKA							
None available at the moment.							
TANZANIA (UNITED REPUBLIC OF)							
None.	1	1	1	ī	•	ı	ı
THAILAND		X	X				
Danish Cooperation for Environment and Development (DANCED), Denmark							
German Technical Cooperation (GTZ), Germany		X		X			
United State of Trade and Development Agency (US TDA), USA			X	X			
TUNISIA							
None.	T	T	T	Γ		T	T
TURKEY	X	X	X	X	X	X	X
Ministry of Environment  Turkish Union of Stock Markets and Chambers of Commerce and Industry		X	X		X	X	

	Field of						
Name and address of institutions				Assistance			
	Notification	Management	Environmentally	Assessment of	Monitoring of	Emergency	Identification
	system	of hazardous	sound	disposal	hazardous	response	of cases of
		wastes and	technologies	capabilities and	wastes and		illegal traffic
		other wastes		sites	other wastes		

## **UGANDA**

None.

## **UZBEKISTAN**

At the present stage of transition to market economy the Republic of Uzbekistan cannot be contacted by other Parties of the Basel Convention for financial assistance.

YEMEN EPC	X	X	X	X	X	X	X
Sana'a University	X	X	X	X	X	X	X
Aden University	X	X	X	X	X	X	X
Hadramout University	X	X	X	X	X	X	X
Taiz University	X	X	X	X	X	X	X

## YUGOSLAVIA

Information is not available.

Name and address of institutions				Field of Assistance			
	Notification system	Management of hazardous wastes and other wastes	Environmentally sound technologies	Assessment of disposal capabilities and sites	Monitoring of hazardous wastes and other wastes	Emergency response	Identification of cases of illegal traffic
ZAMBIA  Disaster Management Programme (Office of the Vice-President)						X	

#### **APPENDIX**

The Secretariat of the Basel Convention did not receive any response from India and Paraguay on some of the clarifications it was seeking on the information provided in their 1999 questionnaire. Hence their Country Fact Sheets (1999) were not prepared.

## **Competent Authority and Focal Point**

#### **INDIA**

Competent Authority	Focal Point
	The state of the s
Secretary to the Government of India	Joint Secretary in charge (HSMD)
Ministry of Environment and Forests	Ministry of Environment and Forests
Paryavaran Bhawan, CGO Complex	Paryavaran Bhawan, CGO Complex
Lodi Road, New Delhi – 110003	Lodi Road, New Delhi – 110003
tel: (91-11) 436-0721 and 436-1896	tel: (91-11) 436-1760
fax: (91-11) 436-2746	fax: (91-11) 436-1760
e-mail: pvj@nic.in	e-mail: raja@nic.in
web site: www.envfor.nic.in	web site: www.envfor.nic.in

#### **PARAGUAY**

Competent Authority	Focal Point
Direccion General de Control de la Calidad	Same as the Competent Authority
Ambiental	
Secretaria del Ambiente	
Madame Lynch 1500 Asuncion	
tel: (595-21) 61-5813	
fax: (595-21) 61-5813/07/06	
e-mail: gildat@pol.com.py	
web site: www.seam.gov.py	

## Wastes controlled for the purpose of transboundary movement

#### INDIA

"Hazardous wastes" is defined in the Hazardous Wastes (Management and Handling) Rules, 1989 and amendment 2000.

"Hazardous wastes" means "waste substances indicated in Part A, List 'A' and List 'B' of Schedule-3 applicable only to Rules 12, 13 and 14 unless do not possess any of the hazardous characteristics in Part B of the same schedule.

#### **PARAGUAY**

The national definition of hazardous waste is in accordance with the Basel Convention.

## Restrictions on transboundary movement of hazardous wastes and other wastes

#### **INDIA**

#### Amendment to the Basel Convention

The amendment to the Basel Convention (Decision III/1) has been implemented in India. No decision on the ban amendments. However, the List "A" and List "B" of Annex VIII of the Basel Convention have been included in Schedule 3 of the Hazardous Wastes (Management and Handling) amendment Rules, 2000.

#### Restrictions on <u>export</u> for final disposal

India restricts the export of hazardous wastes and other wastes for final disposal. No export of hazardous wastes is allowed for final disposal as per Rules 11 of the Hazardous Wastes (Management and Handling) Rules, 1989 and 2000. The restriction covers all countries. Rule 11 of the Hazardous Wastes (Management and Handling) Rules 1989 and amendments 2000 states that the "import of hazardous wastes from any country to India and export of hazardous wastes from India to any country for dumping and disposal shall not be permitted".

#### Restrictions on export for recovery

India has no restrictions on the export of hazardous wastes and other wastes for recovery. Export of hazardous wastes for recovery, recycling and re-use is allowed as per Rules 12 and 14 of the Hazardous Wastes (Management and Handling) Rules 1989 and amendments 2000.

#### Restrictions on import for final disposal

India restricts the import of hazardous wastes and other wastes for final disposal. No import of hazardous wastes is allowed for final disposal as per Rule 11 of the Hazardous Wastes (Management and Handling) Rules, 1989 and 2000. The restriction covers all countries. Rule 11 of the Hazardous Wastes (Management and Handling) Rules 1989 and amendments 2000 states that the "import of hazardous wastes from any country to India and export of hazardous wastes from India to any country for dumping and disposal shall not be permitted".

#### Restrictions on import for recovery

India has no restrictions on the import of hazardous wastes and other wastes for recovery. Import of hazardous wastes for recovery, recycling and re-use is allowed as per Rules 12 and 13 of the Hazardous Wastes (Management and Handling) Rules 1989 and amendments 2000. Import of hazardous wastes and their reprocessing and recycling is permitted only by those units registered with the Ministry of Environment and Forests and have the facility for environmentally sound management of the hazardous waste being imported.

#### Restrictions on transit

India is in a preparatory process to restrict the transit of hazardous wastes and other wastes.

#### **PARAGUAY**

#### Amendment to the Basel Convention

The amendment to the Basel Convention (Decision III/1) has been implemented in Paraguay.

#### Restrictions on export for final disposal and for recovery

Paraguay does not restrict the export of hazardous wastes and other wastes for final disposal and for recovery.

#### Restrictions on import for final disposal and for recovery

Paraguay restricts the import of hazardous wastes and other wastes for final disposal and for recovery.

#### Restrictions on transit

Paraguay does not restrict the transit of hazardous wastes and other wastes.

## Reduction and/or elimination of the generation of hazardous wastes and other wastes

#### **INDIA**

#### National strategies/policies

The National Policy and Strategy encourages environmentally sound management of waste and reduction in the waste generation. Recycling and reuse of hazardous and other wastes using environmentally sound technologies are being encouraged. Cleaner production processes are being introduced in many sectors for achieving low waste/no waste generation.

#### Legislation, regulations and guidelines

Provisions are made within the existing regulations such as:

- Hazardous Wastes (Management and Handling) Rules, 1989 and amendments 2000;
- Biomedical Wastes (Management and Handling) Rules, 1998 and amendments 2000; and
- Batteries (Management and Handling) Rules, 2001.

#### **PARAGUAY**

None.

# Reduction of the amount of hazardous wastes and other wastes subject to the transboundary movement

#### **INDIA**

#### National strategies/policies

The National Policies and Strategies encourage environmentally sound management of waste and reduction in the waste generation. Recycling and reuse of hazardous and other wastes is encouraged for indigenously generated wastes and reduction in the import of wastes. One of the major activities is the canalization of the wastes generated in the country to reach the recycling and re-processing units.

## Legislation, regulations and guidelines

Provisions are made within the existing regulations such as:

- Hazardous Wastes (Management and Handling) Rules, 1989 and amendments 2000;
- Biomedical Wastes (Management and Handling) Rules, 1998 and amendments 2000; and
- Batteries (Management and Handling) Rules,2001.