

Resilog

Amendments to the Export and Import of Hazardous Wastes Regulations

Environment Canada is currently developing amendments to the 1992 Export and Import of Hazardous Wastes Regulations to update and streamline the regulations based on new authorities under the *Canadian Environmental Protection Act, 1999*.

A first round of stakeholder consultations on the planned amendments took place in Moncton, Montréal, Toronto, Edmonton and Vancouver in March 2001. Based on this input as well as comments received after the workshops, Environment Canada is preparing a detailed paper on proposed amendments. This paper will be used as a basis for discussion during the next round of consultations, expected to be held in December 2001. It is anticipated that the amendments will be ready for publication in the *Canada Gazette*, Part I, in December 2002.

For more information:
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Amendments to the PCB Waste Export Regulations

Environment Canada is developing changes to the 1996 PCB Waste Export Regulations, to include harmonized controls on imports as well as introduce some controls



on imports and export of wastes containing between 2 and 50 parts per million of PCBs.

Stakeholder consultations for the proposed PCB Waste Export and Import Regulations were conducted in February 2001. It is anticipated that these regulations will be published for public consultation in the *Canada Gazette*, Part I, in December 2001. Information regarding ongoing consultations is available through the CEPA Environmental Registry at: www.ec.gc.ca/CEPARRegistry/participation.

For more information:
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Federal Hazardous Waste Regulations

Whereas provinces and territories have regulations for the control and management of hazardous wastes, the "Federal House", which comprises federal departments, agencies, Crown corporations, Aboriginal land, and federal works and undertakings, currently has no rules governing the management of hazardous wastes. The Federal Hazardous Waste Regulations (FHWR) are intended to close the regulatory gap identified by the Federal Committee on Environmental Management Systems.

Environment Canada began to prepare draft regulations for the proposed FHWR in 2000. Consultations followed in September and October 2000. The FHWR will require yearly reporting by the "Federal House" on the quantity of hazardous waste activity. To facilitate reporting,

(cont'd on p.2: FHWR)

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Interprovincial Movements of Hazardous Waste Regulations

Environment Canada is continuing to develop regulations for the interprovincial transport of hazardous wastes and hazardous recyclable materials. The goal of these Regulations is to confirm and ensure that wastes are transported to, and received only at, authorized facilities (provincially regulated) for final disposal and recycling operations.

As part of the Regulatory Impact Assessment Statement (RIAS), a cost-benefit analysis with respect to these proposed regulations has been completed, with input from industry, provincial jurisdictions and Environment Canada enforcement staff. A series of meetings were held, ending in Ottawa in January 2001, with the Canadian Council of Ministers of the Environment (CCME) Hazardous Waste Task



Participants at the CCME HWTG meeting, January 15-17, 2001, Ottawa. Seated left to right: Toby Matthews (Nfld), Tony Fernandes (Alta), Rob Eno (Nun), Don Labossiere (Man), Diane Kunec (CCME Secretariat). Standing L-R: Joe Wittwer (EC), Glenda MacKinnon-Peters (PEI), Betty Smith (Ont), Simone Godin (NB), Roger Hodges (Sask), Rob Dalrymple (BC), Tanya Smyth (EC), Dave Campbell (EC), Brent Baxter (NS), Benoît Nadeau (QC)

Group (HWTG) to provide advice on the development of the regulations.

Upcoming activities include:

- continuing discussions with provincial authorities to harmonize the regulations;
- preparing a RIAS;

- preparing a revised draft of the regulations; and
- publishing the proposed regulations in the *Canada Gazette*, Part I (anticipated for fall 2002).

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(FHWR, cont'd from p.1)

the Transboundary Movement Division (TMD) has begun the development of an infrastructure for web-based reporting.

Draft regulations are currently under consideration. Once finalized, the regulations will be ready for review and comments, followed by stakeholder consultations. A strategy to include Aboriginal communities and environmental non-governmental organizations (ENGOS) is being developed prior to these consultations. The FHWR are expected to be ready for publication in the *Canada Gazette*, Part I, in December 2001 and Part II at the end of March 2002.

For more information:

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Environmentally Sound Management (ESM) Update

In the last year, Environment Canada along with provincial and territorial partners began working within the Canadian Council of Ministers of the Environment (CCME) to develop and implement a national ESM regime. A multi-departmental federal task group was established to determine the federal position for developing and implementing ESM. Activities included:

- an accelerated action plan to address the immediate concern of increased imports of hazardous wastes and contaminated soil for landfilling;
- focused discussions with industry and environmental groups on voluntary ESM initiatives;
- background studies on ESM, landfill and pretreatment; and
- a National Action Plan on ESM.

The ESM program will, for the next year, focus on development of tools for ESM. These tools will include ESM criteria, standards and guidelines for landfilling hazardous wastes and for the management of contaminated soil destined for final disposal. As well, background studies towards future guidelines on specific waste streams, recycling and resource recovery will be completed. Consultations with stakeholders will continue through this fiscal year.

For more information:

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TMD Electronic Data Exchange (EDE)—Status and Potential Future Elements

The Transboundary Movement Division (TMD) recently completed the pilot phase of a project to implement Internet-based transfers of Notices and Manifests from clients (EDE). This web-server project has been upgraded from the previous client-server format so that it may more seamlessly integrate with the Canadian Notice and Manifest Tracking System (CNMTS) database. As well, a mechanism is now on-line that allows for data to be transferred and shared electronically, via the Internet, between TMD and provincial counterparts.

TMD will soon be launching the primary implementation phase of the new Internet-based EDE project to provincial authorities and four or five client company locations. The recent enhancements made to the EDE will make it possible to deposit Notices and Manifests directly into the EHW database by one of three methods. Clients will be able to:

- fill out electronic forms over the Internet;
- transfer bulk Notice and Manifest information from their databases using an e-mail attachment; or
- fill out the Notice and Manifest by hand and forward them to TMD, where an agent types the information into the database.

The new electronic Notice and Manifest forms are similar in look and feel to the paper-based forms. The user simply scrolls down the form and fills in the fields directly. There are also drop-down boxes and radio buttons to assist the user in filling out the electronic form. Electronic mechanisms to track other types of transboundary movements are in the early planning stage. They include:

- e-notice and tracking for transboundary movements of prescribed non-hazardous wastes destined for final disposal;
- e-notice and tracking for interprovincial movements of hazardous wastes; and
- e-tracking of illegal movements of hazardous wastes.

Once fully developed and implemented, the mechanisms to track interprovincial movements of hazardous wastes and hazardous recyclable materials would link into and utilize the resources of the current CNMTS. With its electronic data transfer upgrades, this system will continue to lead the way as a state-of-the-art tool for hazardous waste tracking and compliance monitoring.

For more information:
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Export and Import of Prescribed Non-Hazardous Wastes Destined for Final Disposal

Regulations are being developed which are intended to ensure that non-hazardous wastes destined for final disposal will be subject to proper controls. Consistent with Canada's international obligations, the Transboundary Movement Division (TMD) is developing a possible regulatory framework for these wastes. Currently, there are no federal controls on the export from, import into or transit through Canada of non-hazardous wastes.

Preliminary stakeholder consultations were held across the country in spring 2000 for the development of definitions from which to draw up regulations. Subsequently, an options paper, *Development of Regulatory Options for the Export and Import of Prescribed Non-Hazardous Wastes Destined for Final Disposal*,

was commissioned and distributed by TMD. This paper was posted on the CEPA Registry from September 1, 2000, through December 31, 2000, in order to solicit comments. A copy of the paper may be found at: www.ec.gc.ca/CEPARRegistry/participation.

A second round of stakeholder consultations was held early in 2001 across the country which solicited discussion on regulatory options from which the proposed regulations may be developed. A workshop report from the second consultations was prepared and will be posted on the CEPA Environmental Registry at www.ec.gc.ca/CEPARRegistry/participation. TMD is preparing to commission a discussion paper on the proposed regulations. It is anticipated that this discussion paper will be ready for review in late 2001 or early 2002, and will be followed by further stakeholder consultations. The proposed regulations are anticipated to come into force by 2003.

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Basel Meetings

The 18th Session of the Technical Working Group of the Basel Convention was held in Geneva, Switzerland, June 18-20, 2001. This meeting, attended by Transboundary Movement Division delegates, was immediately followed by the 3rd Session of the Legal Working Group, June 21-22, 2001.

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Technical Working Group (TWG)

Delegates examined documents including the review or adjustment of the lists of wastes contained in Annex VIII or IX:

- bituminous materials (asphalt waste) from road construction and maintenance, not containing tar;
- bituminous materials (asphalt waste) not elsewhere specified or included;
- waste edible fats and oils of animal or vegetable origin (e.g., frying oils);
- spent lubrication oil;
- PVC-coated cables; and
- solid plastic waste.

As well, TWG delegates reviewed draft technical guidelines on the environmentally sound management of:

- lead acid battery wastes;
- metal and metal compounds;
- plastic wastes and their disposal;
- dismantling of ships;
- environmentally sound management of POPs as waste.

Additionally, the work on the development of hazard characteristics criteria for H6.2, H10, H11, H12 and H13 was reviewed and a report on the implementation of the Basel Declaration on environmentally sound management was presented.

Legal Working Group (LWG)

At the LWG meeting, a priority for Canada was the development of a mechanism for monitoring the implementation of and compliance with the Convention's obligations. Lengthy discussions and revisions to the relevant document were undertaken and the issue was advanced, although not finalized. If funds permit, intersessional work on this topic will be undertaken in October 2001. Work on developing

a draft document concerning the prevention, detection and monitoring of illegal traffic in hazardous wastes and other wastes was also advanced at the LWG meeting.

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OECD Update

Environmental issues addressed by the Organization for Economic Co-operation and Development (OECD) include those related to recyclable materials and hazardous recyclable materials. The OECD also administers several waste-related Council Acts, which affect Canadian regulations regarding export and import of hazardous wastes and hazardous recyclable materials.

New OECD Working Group

Since 1974, Canada has actively participated in discussing and taking action on waste-related issues through the OECD's former Working Group on Waste Management Policy (WGWMP). Recently, the WGWMP was renamed the Working Group on Waste Prevention and Recycling (WGWPR).

The WGWPR will continue the work of the former WGWMP and also engage in new activities. The first meeting of the WGWPR is scheduled for October 11-12, 2001, and will be preceded on October 8-10 by an OECD Workshop on Waste Prevention Indicators. Since 1999, the WGWMP had been working to develop technical guidelines for environmentally sound management (ESM) of hazardous wastes destined for recovery operations. This work will continue under the WGWPR, with a third ESM workshop anticipated for spring 2002. The work plan activities of the WGWPR will also include waste

prevention, waste minimization and extended producer responsibility.

Update on C(92)39/FINAL

Efforts of the WGWMP to amend OECD Council Decision C(92)39/FINAL, which deals with control of transboundary movements of wastes destined for recovery operations, were concluded with the June 2001 adoption of the Decision by OECD Council. The amendments increase harmonization with the Basel Convention and include streamlined control procedures which will be implemented through current amendments to Canada's federal Export and Import of Hazardous Wastes Regulations. It is envisioned that changes to federal control requirements will have a positive impact on the Canadian recycling industry by improving the industry's ability to import recyclables in a shorter period of time. For example:

- OECD and Basel waste lists are harmonized, with some differences retained in the OECD system;
- the risk-based procedure for adjusting waste lists has been retained, whereby listings adopted within the Basel Convention could be modified on an exceptional basis when destined for recovery within the OECD;
- pre-authorized facility concept and 30-day tacit consent concept have been retained; and
- procedures to deal with mixtures and unlisted wastes, allowing for specific national controls, have been introduced.

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Resi-Write

Question: We have been using multiple carriers, including a marine carrier, for our shipments. As compared to transfer between road carriers, transferring the manifest from a marine or rail carrier to another carrier is very difficult logistically. How do we deal with the Export and Import of Hazardous Wastes Regulations (EIHWR) requirement to ensure that the manifest accompanies the whole shipment and that all carriers sign the manifest in those cases?

Answer: Under the EIHWR, a copy of the Canadian manifest with section A and section B fully completed and a copy of the notice and the permit to import must accompany the shipment, irrespective of the mode of transport. To facilitate compliance, the following procedure may be used:

- a copy of the waste manifest, rather than the original, may be attached to or included in/with the means of containment;
- the original manifest could then be sent by courier to an subsequent carrier and eventually forwarded to the consignee; and
- photocopies/faxes of these documents could be used for customs clearance purposes.

This in no way changes the responsibilities of the exporter, importer and carrier to complete, sign and forward any manifest copies as per the EIHWR.

Visit **Resilog** on-line at
<http://www.ec.gc.ca/resilog/resinews.htm>

Question: The road carrier that we have included in our notice sometimes subcontracts independent truckers or other carriers to haul materials for him. Is this permitted under the EIHWR?

Answer: A subcontractor is different from an employee of a transport company under the law. Under EIHWR, all carriers must be insured and authorized to carry hazardous waste as per the rules of the jurisdiction through which they travel. In addition, all carriers that will be used must be listed in the notice and listed in the permit. If you or your transport company wants to use a new subcontractor or other carrier not already on your notice and permit, you must notify Environment Canada to amend your notice and wait until Environment Canada issues an amendment to your permit before you use the other carrier. This will avoid any confusion about the authorization of the carrier at the border.

Feedback

Are you looking for more information on subject matter relating to the transboundary movement of hazardous wastes, regulations, or meeting documents?

Contact TMD with your comments or questions at:

**colin.code@ec.gc.ca
(819) 953-9796**

Upcoming Meetings

Basel Convention Technical Working Group meeting
December 2001, Geneva

Basel Convention Legal Working Group meeting
December 2001, Geneva

Basel Convention Joint Technical & Legal Working Group meeting
December 2001, Geneva

Basel Convention Implementation Committee meeting
Spring 2002, Geneva

OECD Workshop on Waste Prevention Performance Indicators
October 8-10, 2001, Paris

OECD 1st Meeting of the Working Group on Waste Prevention and Recycling (WGWPR)
October 11-12, 2001, Paris

OECD 3rd Workshop on ESM
Spring 2002, Washington (tentative)

Parties to the Basel Convention

As of June 30, 2001, 146 states and the European Community were Parties to the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal. Countries that have recently ratified the Basel Convention include: Azerbaijan, Guyana, Bosnia and Herzegovina, Cambodia, and Cameroon.

For complete details, visit the Basel Convention web site at www.basel.int.

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Fast Facts

Publication of Notice Information

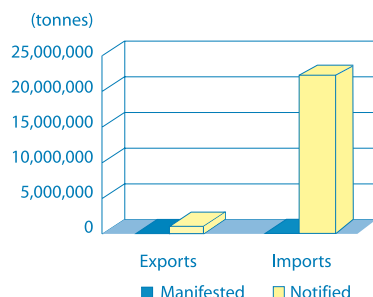
The requirement for new publication of notice information can be found under Part 7, Division 8, Section 187 of the *Canadian Environmental Protection Act, 1999*. Resilog Tables 1, 2 and 3 describe notices for proposed exports, imports and transits of hazardous wastes, received by Environment Canada in the last six months of 2000. Notice status and notified quantities are summarized below

Notified and Manifested Quantities, July 1 - December 31, 2000

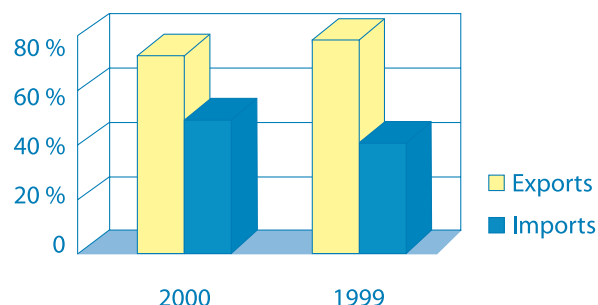
| | Exports | Imports | Transits |
|---|---------|------------|----------|
| Number of Duly Completed Notices Received | 267 | 2,979 | 154 |
| Number of Waste Streams Involved (PIN) | 473 | 6,289 | 564 |
| Total Quantity Notified (tonnes) | 919,688 | 21,254,100 | 56,920 |
| Total Quantity Manifested (tonnes) | 162,609 | 215,655 | 145 |
| Quantity Consented (tonnes) | 880,468 | 21,172,725 | 56,870 |
| Quantity Objected (tonnes) | 38,720 | 57,302 | 0 |
| Quantity Pending (tonnes) | 500 | 24,073 | 0 |

In the case of export and import notices, the quantity notified is not the same as the quantity shipped. Exporters and importers routinely overestimate waste quantities on their notices, given that they must project the physical and chemical nature of hazardous wastes that will be shipped over a period of one year. Actual movements are tracked through a manifest database (CNMTS).

Manifested and Notified Quantities Transboundary Movements of Hazardous Wastes, July 1 - December 31, 2000



% Materials Destined for Recycling Operations



Most Notified Waste Groups, July 1 - December 31, 2000 (waste groups representing more than 5% of the total tonnes notified)

| Export Notifications | | | Import Notifications | | |
|------------------------|-----------|------------|------------------------|-----------|------------|
| Waste Group | Tonnes | Percentage | Waste Group | Tonnes | Percentage |
| Corrosive Liquids | 1,391,802 | 31.49% | Leachable Toxic Wastes | 9,180,350 | 43.26% |
| Flammable Liquids | 1,241,790 | 28.10% | Corrosive Liquids | 3,514,966 | 16.57% |
| Leachable Toxic Wastes | 774,483 | 17.53% | Toxic (Poisonous) | 2,890,475 | 13.62% |
| Toxic (Poisonous) | 365,020 | 8.26% | Ecotoxic | 2,199,949 | 10.37% |
| | | | Flammable Liquids | 1,652,366 | 7.79% |
| | | | Oxidizers | 1,092,431 | 5.15% |

2000 Statistics

- Total hazardous waste exports and imports represent less than 10% of domestic hazardous waste generation.
- In 2000, total imports of hazardous wastes were 560,000 tonnes, down 15% from 663,000 tonnes in 1999.
- Shipments for recycling, which benefit Canadian industry and reduce reliance on primary resources, represent more than half of all imports. Most of these imports are metals or metal-bearing wastes.
- Imports for final disposal decreased by nearly one third between 1999 and 2000.
- Ontario and Quebec received 98% of all imports of hazardous wastes and hazardous recyclable materials in 2000.
- Exports from Canada increased from 268,000 to 324,000 tonnes between 1999 and 2000. Of all 2000 exports, 96% were shipped to the United States, while 4% went to Italy for recovery.

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Definitions for Tables 1, 2 and 3

Battery Wastes: waste whole or crushed batteries and battery acid.

Biomedical Wastes: as defined in the CCME *Guidelines for the Management of Biomedical Wastes in Canada*, plus infectious waste (TDGR class 6.2).

Corrosive Liquids: waste acidic or basic liquids and solutions (TDGR class 8).

Corrosive Solids: waste acids and bases in solid form (TDGR class 8).

Environmental Hazards: liquid and solid wastes that could pose a danger to the environment (TDGR class 9.2).

Flammable Liquids: waste liquids that are ignitable (TDGR class 3).

Flammable Solids: waste ignitable, polyphoric or water reactive solids (TDGR class 4).

Gases: waste aerosols, compressed and liquefied gases (TDGR class 2).

Halogenated Organic Wastes: waste halogenated organic solvents, liquids and solids.

Inorganic Wastes: waste inorganic substances and solutions.

Leachable Toxic Wastes: waste that come within TDGR class 9.3.

Metal & Mineral Wastes: metal/mineral bearing wastes, metal treatment and processing wastes.

Non-halogenated Organic Wastes: waste non-halogenated organic solvents, liquids and solids.

Oils/Fuels: waste gasoline, diesel, petroleum processing wastes and anti-knock mixtures.

Oxidizers: oxidizing wastes and organic peroxide wastes (TDGR class 5).

Paint-related Wastes: waste paints, resins, lacquers, inks, paint thinners and adhesives.

Pesticide Wastes: waste biocides and wastes contaminated with pesticides.

Poisonous Liquids: waste liquids and solutions that are toxic/poisonous (TDGR class 6.1).

Poisonous Solids: wastes in a solid form that are toxic/poisonous (TDGR class 6.1).

Polychlorinated Biphenyls: wastes that contain more than 50mg/kg of PCBs.

Quantity Pending: quantity notified for which the notice has been sent for approval to the competent authorities and for which no reply has been received.

Quantity Consented: quantity notified for which all of the competent authorities have granted consent to the proposed movement of hazardous wastes.

Quantity Objected: quantity notified for which any of the competent authorities has refused to grant consent to the proposed movement of hazardous wastes.

TDGR: *Transportation of Dangerous Goods Regulations*, 1985, as amended.

Waste Group

- | | | |
|--------------------------|------------------------------------|-------------------------------|
| 1. Battery Wastes | 8. Gases | 14. Oils/Fuels |
| 2. Biomedical Wastes | 9. Halogenated Organic Wastes | 15. Oxidizers |
| 3. Corrosive Liquids | 10. Inorganic Wastes | 16. Paint-related Wastes |
| 4. Corrosive Solids | 11. Leachable Toxic Wastes | 17. Pesticide Wastes |
| 5. Environmental Hazards | 12. Metal and Mineral Wastes | 18. Poisonous Liquids |
| 6. Flammable Liquids | 13. Non-halogenated Organic Wastes | 19. Poisonous Solids |
| 7. Flammable Solids | | 20. Polychlorinated Biphenyls |

Reminder: How to read Resilog Tables 1, 2 and 3

- Names of notifiers are entered alphabetically in the left column.
- Waste groups are listed across the top row.
- For exports and imports, a letter code representing the name of the country of origin (imports) or destination (exports) is entered.
- For transits, the actual movement is described as a letter code entered in the appropriate column for that waste group and row for each notifier.
- The legend of country codes is given at the bottom of each table.

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Table 1
Notices Received for Proposed Exports of Hazardous Wastes
(3rd and 4th quarters 2000)

| Company Name | Waste Group | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------|---|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 958160 Ontario Limited | | | | | | | | | | | US | | | | | | | | | |
| A-1 Environmental Services | | | | | | US | | | | | US | | | | | | | | | |
| A-1 Oil Services Ltd. | | | | | | | | | | | US | | | | | | | | | |
| Aimco Solrec Ltd. | | | | | | US | US | | | | | | | | | | | | | |
| Alcan | | | | | | | | | | | US | US | | | | | | | | |
| Aluminerie Alouette Inc. | | | | | | | | | | | | US | | | | | | | | |
| Aluminerie Loralco Inc. | | | | | | | | | | | | US | | | | | | | | |
| American Iron & Metal Co. Inc. | | | | | | | | | | | US | | | | | | | | | |
| Amoco Fabrics and Fibers, Ltd. | | | | | | | US | | | | | | | | | | | | | |
| Anachemia Ltd. | | | | | | US | | | | | | | | | | | | | | |
| Aurora Laboratory Services Ltd. | | | | | | | | | | | US | | | | | | | | | |
| Ayerst Organics | | | | | US | | | | | | | | | | | | | | | |
| Bonus Metal Canada Inc. | US | | | | | | | | | | | | | | | | | | | |
| CEDA-Reactor Ltd. | | | | | US | US | | | | | | | | | | | | | | |
| CORETEC INC. | | | US | | | | | | | | | | | | | | | | | |
| Can Art Aluminum Extrusions Inc. | | | US | | | | | | | | | | | | | | | | | |
| Canadian Reynolds Metals | | | | | | | | | | | | US | | | | | | | | |
| Canflow Environmental Services Corp. | | | US | | | | | | | | | | | | | | | | | |
| Cascades East Angus Inc. | | | US | | | | | | | | | | | | | | | | | |
| Catalyst Recovery Canada Ltd. | | | | | | | US | | | | | | | | | | | | | |
| Century Circuits Inc. | | | US | | | | | | | | | | | | | | | | | |
| Chem Tech Environnement Inc. | | | US | | | US | US | | | | | | | | | | | US | US | |
| Cominco Ltd. | | | | | US | | | | | | | | | | | | | | | |
| Corus L.P. | | | | | | | | | | | | US | | | | | | | | |
| Crest Circuits Inc. | | | US | | | | | | | | | | | | | | | | | |
| Custom Environmental Services Ltd. | | | US | US | US | US | US | US | | US | | | | | US | US | US | US | US | |
| Delta Western Fuel Canada, Inc. | | | | | | | | | | | | | | US | | | | | | |
| DoFasco Inc. | | | | | | | | | | | | US | | | | | | | | |
| Dow Chemical Canada Inc. | | | | | US | | | | | | | | | | | | | | | |
| Dynamic & Proto Circuits Inc. | | | US | | | | | | | | | | | | | | | | | |
| Electropac Canada, Inc. | | | US | | | | | | | | | | | | | | | | | |
| Enviro West Inc. | | | | | | US | | | | | US | | | | | | | | | |
| Envirotec Waste Management Inc. | | | | | | US | | | | | US | | | | | | | | | |
| Ethyl Canada Inc. | | | | | | US | | | | | | | | | | | | | | |
| Fielding Chemical Technologies Inc. | | | | | | US | | | | | | | | | | | | | | |
| Ford Motor Co. of Canada | | | | | | | | | | | | | | | | US | | | | |
| General Scrap & Car Shredder | US | | | | | | | | | | | | | | | | | | | |
| Gillette Canada - Duracell Division | | | | | | | | | | | US | | | | | | | | | |
| Glaxo Wellcome Canada | | | | | | | | US | | | | | | | | | | | | |
| Hazco Environmental Services | | | | | US | | | | | | | | | | | | | | | |
| Hotz Environmental Services Inc. | US | | | | | US | | | | | | | | | | US | | | | |
| International Marine Salvage Inc. | US | | US | | US | | | | | | | US | | | | | | US | US | |
| Irving Pulp and Paper Limited | | | US | | | | | | | | | | | | | | | | | |
| Ivaco Rolling Mills | | | | | | | | | | | US | | | | | | | | | |
| Kaiser London | | | | | | | | | | | | US | | | | | | | | |
| Kodak Canada Inc. | | | US | | | | | | | | | | | | | | | | | |
| Lakehead Scrap Metal | US | | | | | | | | | | | | | | | | | | | |

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Table 1 (cont'd)
Notices Received for Proposed Exports of Hazardous Wastes
(3rd and 4th quarters 2000)

| Company Name | Waste Group | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Laurel Steel Products | | | | | | | | | | | | US | | | | | | | | |
| Les Services Env. de l'Est Inc. | | | | | US | | | | | | | | | | | | | | | |
| Lightning Circuits | | | US | | | | | | | | | | | | | | | | | |
| Littler Dipper Holding Ltd. | | | | | | | | | | | US | | | | | | | | | |
| MARSULEX INC. | | | US | | | | | | | | | | | | | | | | | |
| MacDermid Chemicals Inc. | | | US | | | | | | | | | | | | | | | | | |
| Madeco Environnement Inc. | | | | | US | | | | | | | | | | | | | | | |
| Mark IV Industries, Canada Corp. | | | | | | | | | US | | | | | | | | | | | |
| Matrix Electronics Ltd. | | | US | | | | | | | | | | | | | | | | | |
| Med-Tech Environmental Ltd. | | US | | | | | | | | | | | | | | | | | | |
| Miller Environmental Corporation | | | | | US | US | | | | | US | | | US | | | | | | |
| National Library of Canada | | | | | | | | US | | | | | | | | | | | | |
| Noranda Div. Fonderie Gén. du Canada | | | | | | | | | | | US | | | | | | | | | |
| Noranda Inc., Brunswick Smelter | | | | | | | | | | | US | | | | | | | | | |
| Nova Pb Inc. | | | | | | | | | | | US | | | | | | | | | |
| Oakside Chemicals Ltd. | | | | | | US | | | | | | | | | | | | | | |
| Onyx Industries | | | US | US | US | US | US | US | | US | US | US | | | US | US | US | US | US | US |
| Onyx Sanivan | | | | | | US | | | | | | | | | | | | | | |
| PC World | | | US | | | | | | | | | | | | | | | | | |
| Petro Canada | | | | | BE | | | | | | | | | | | | | | | |
| Philip Enterprises Inc. | US | | US | | | US | US | | US | US | | | | | US | | | US | US | |
| Philip Services Corp. | | | US | | | | | | | | | | | | | | | | | |
| Philip Services Inc. | | | | | | | US | | | | US | US | | | | | | US | US | |
| Pinnacle Waste Services, Inc. | | | | | | US | | | | | | | | | | | | | | |
| Pure Metal Galvanizing | | | US | | | | | | | | | US | | | | | | | | |
| Quantex Technologies | | | US | | | | | | | | US | | | | | | | | | |
| R. P. R | | | | | US | US | US | | | | US | | | | | | | | | |
| RPR Environmental Services | | | | US | US | US | US | | | | | | | | | | | | | |
| Recyclage d'aluminium Québec | | | | | | | | | | | | | DE | | | | | | | |
| RemTec Canada Ltd. | | | | | | | | US | | | | | | | | | | | | |
| RexCan Circuits | | | US | | | | | | | | | | | | | | | | | |
| Robertson Inc. | | | | | US | | | | | | | | | | | | | | | |
| Rochester Aluminum Smelting Can. Ltd. | | | | | | | | | | | | US | | | | | | | | |
| S&P Flex/Circuit Ltd. | | | US | | | | | | | | | | | | | | | | | |
| Safety-Kleen (Québec) Ltd. | US | | | | US | | | | | | | US | | | | | | | | |
| Safety-Kleen Canada Inc. | | | US | | | US | | | US | | US | | | US | | US | | | | |
| Safety-Kleen Ltd. | | | US | | | US | US | | | | US | US | | | | US | | | | |
| Shell Canada Products | | | | | | | US | | | | | | | | | | | | | |
| Société Canadienne Métaux Reynolds | | | | | | | | | | | US | | | | | | | | | |
| Tri Arrow | | | | | | US | | | | | | | | | | | | | | |
| Ultramar Canada Inc. | | | | | US | | | | | | | US | | | | | | | | |
| Ultramar Ltée | | | | | US | | US | | | | | US | | | | | | | | |
| Uniroyal Chemical Ltd. | | | | | US | | | | | | | | | | | | | | | |
| Wabash Alloys Ontario | | | | | | | | | | | | US | | | | | | | | |

Country of Destination: BE Belgium DE Germany US United States of America



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Table 2
Notices Received for Proposed Imports of Hazardous Wastes
(3rd and 4th Quarters 2000)

| Company Name | Waste Group | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Aimco Solrec Ltd. | | | | | US | | | | | | US | | | | | | | | | |
| American Iron & Metal Co. Inc. | | | | | | | | | | | US | | | | | | | | | |
| Bennett Environmental Inc. | | | | | US | | | | | | | | | | | | | | | |
| C.R.I. Environment Inc. | US | | US | US | US | US | US | US | | US | | US | US | US | US | US | US | US | US | US |
| Chem Tech Environnement Inc. | US | | US | US | US | US | US | US | US | US | | US | US | US | US | US | US | US | US | US |
| Chemrec Inc. | | | | | US | US | | | US | | | | US | | | | | US | | |
| Cominco Ltd. | | | | | US | | | | | | | | | | | | | | | |
| Cyanide Destruct Systems Inc. | | | US | US | | | | | | US | | | | | | | | US | US | |
| Eaglebrook Environmental Corp. | | | US | | | | | | | | | | | | | | | | | |
| Eaglebrook Inc. of Canada | | | US | | | | | | | | | | | | | | | | | |
| Exttox Inc. | | | | | US | | | | | | | | | | | | | | | |
| Falconbridge Limited | | | | | US | | | | | | US | US | | | | | | | DE | |
| Fanchem Ltd. | | | US | | | | | | | | | | | | | | | | | |
| Fielding Chemical Technologies Inc. | | | | | | US | | US | US | | | | US | | | | | | | |
| Fluorescent Lamp Recyclers Inc. | | | | | | | | | | | US | | | | | | | | | |
| Horizon Environment Inc. | | | | | US | | | | | | | | | | | | | | | |
| Hotz Environmental Services Inc. | | | | | | US | | US | | | | | | | | US | | | | |
| Inco Limited | | | | | US | | | | | US | | | | | | | | | | |
| International Marine Salvage Inc. | US | | | | US | | | | | | | US | | | | | | US | US | |
| Lavokika 2000 Inc. | | | | | | | US | | | | | | | | | | | | | |
| Les Services Safety-Kleen (Mercier) Ltée | | | US | | US | US | | | | | | | | | | | | US | | |
| Little Dipper Holding Ltd. | | | | | | | | | | | US | | | | | | | | | |
| Litton Systems Canada Ltd. | | | | | | | | | | | US | | | | | | | | | |
| Material Resource Recovery Inc. (MRR) | | | | | US | US | | | | | | | | | | | | | | |
| Metalex Products Ltd. | US | | | | | | | | | | US | | | | | | | | | |
| Miller Environmental Corporation | | | US | US | US | US | US | US | | US | | US | | | US | US | US | US | US | US |
| Miller Environmental Services Corp. | | | US | US | US | US | US | US | | US | | US | | | US | US | US | US | US | US |
| Mississauga Metals & Alloys | | | | | | | | | | | | GB | | | | | | | | |
| Neste Resins Canada | | | | | US | | | | | | | | | | | | | | | |
| Newalta Corporation | | | | | | | | | | | US | | | | | | | | | |
| Noranda CCR | | | | | | | | | | | US | | | | | | | | | |
| Noranda Inc., Brunswick Smelter | | | | | | | | | | | A | | | | | | | | | |
| Noranda Inc., Mines Gaspé | | | | | | | | | | | US | | | | | | | | | |
| Noranda Inc., Fonderie Horne | | | | | B | | | | | TH | C | | | | | | | | | |
| Nova Pb Inc. | US | | US | | | US | US | | | | US | | | US | | | | US | US | |
| Onyx Industries | | | US | US | US | US | US | US | | US | | | US | US | US | US | US | US | US | US |
| Philip Enterprises Inc. | | | US | US | US | US | US | | | | | US | US | | | | | US | | |
| Philip Services Inc. | | | US | US | | US | US | | | | US | US | | | | | | | | |
| Photech Environmental Solutions Inc. | | | US | | | | US | | | US | US | | | | US | US | | | | |
| Pinnacle Waste Services, Inc. | | | | | | US | | US | | | | | | | | US | | | | |
| Quantex Technologies | | | US | | | US | US | US | | | US | | US | | US | US | | | | |
| R. P. R. | | | | | | US | | | | | | | | | | | | | | |
| SMC (Canada) Ltd. | | | | | | | | | | | US | | | | | | | | | |
| Safety-Kleen (MS) Ltd. | | | BS | | BS | BS | | | | | | | | | BS | | | | | |
| Safety-Kleen (Quebec) Ltd. | US | | US | US | US | US | US | US | US | US | | US | US | US | US | US | US | US | US | US |
| Safety-Kleen (Sarnia), Ltd. | | | | | | | | | | | US | | | | | | | | | |
| Safety-Kleen Ltd. | US | | D | E | F | D | E | F | G | E | H | G | G | US | F | US | G | E | E | |
| Safety-Kleen Services (Mercier) Ltd. | | | | | US | US | | | | | | | | | | | | | | |
| Services Sanitaires de Recyclage Expert | | | | | | | | | | | | | | | | US | | US | US | |
| Silicycle Inc. | | | | | | | US | | | | | | | | | | | | | |

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Table 2 (cont'd)
Notices Received for Proposed Imports of Hazardous Wastes
(3rd and 4th Quarters 2000)

| Company Name | Waste Group | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------|---|----|----|----|---|----|---|---|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Stablex Inc. | US | | US | US | US | | US | | | US | | US | | | US | | | US | US | |
| Tonolli Canada Ltd. | US | | | | | | | | | | | | | | | | | | | |
| Toxco Waste Management | I | | | | | | | | | | | J | | | | | | | | |

| | | | | |
|--------------------|----|--------------------------|---|--|
| Country of Origin: | BS | Bahamas | A | Finland and United States of America |
| | DE | Germany | B | Indonesia and Singapore |
| | GB | United Kingdom | C | Germany, France and United States of America |
| | TH | Thailand | D | Barbados, Bahamas, Philippines and United States of America |
| | US | United States of America | E | Barbados, Bahamas and United States of America |
| | | | F | Barbados, Philippines and United States of America |
| | | | G | Bahamas and United States of America |
| | | | H | Philippines and United States of America |
| | | | I | United Arab Emirates, Israel, Singapore and United States of America |
| | | | J | Israel and United States of America |

Table 3
Notices Received for Proposed Transits of Hazardous Wastes
(3rd and 4th Quarters 2000)

| Company Name | Waste Group | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Aptus Inc. | | | | | US | | | | | | | | | | | US | | | | US |
| Burlington Environmental | US | | US | | US | US | US | | US | | | | US | | US | | | | | |
| CWM of the Northeast | | | | | US | | | | | | | | | | | | | | | US |
| Chem Waste Management | | | | | US | | | | | | | | | | | | | | | US |
| Chem Waste Management of Northwest | | | | | US | | | | | | | | | | | | | | | |
| Chemical Waste Management | | | | | US | | | | | | | | | | | | | | | |
| Columbia Ridge Landfill | | | | | US | | | | | | | US | | | | | | | | |
| Emerald Petroleum Services | US | | US | | US | US | | | | US | | US | US | US | | US | | | | US |
| Emerald Services Inc. (Solpro) | US | | US | | US | US | | | | US | | US | US | US | | US | | | | US |
| Envirosafe Services of Idaho | | | | | | | | US | | | | | | | | | | | | US |
| Fairbanks Northstar Borough | | | | | | | | | | | | US | | | | | | | | |
| Kinsbursky Brothers Inc. | US | | | | | | | | | | | | | | | | | | | |
| Onyx Environmental Services | | | | | US | US | | US | | | | | US | | | | | | | |
| Philip Environmental | US | | US | | US | US | | | | US | | US | US | US | | US | | | | US |
| Pollution Control Industries of America | | | | | US | US | | | | | | | | | | US | | | | |
| Romic Environmental Technologies | US | | US | | | US | US | | | US | US | US | | US | US | US | | US | | |
| Safety-Kleen (Aragonite), Inc. | | | | | US | US | | | | US | | US | | | US | | | | | US |
| Safety-Kleen (Buttonwillow) Inc. | US | | | | US | | | | | | | US | | | | | | | | |
| Safety-Kleen (San-Jose), Inc. | US | | US | US | US | US | US | US | US | US | | US | US | US | US | US | | US | US | US |
| Safety-Kleen (Grassy Mountain) Inc. | | | | | US | | | | | | | | | | | | | | | US |
| Superior Services, Inc. | | | | | | | | | | | | | | | | | | | | US |
| Superior Special Services Inc. | | | | | | | | | | | | US | | | | | | | | |
| Toxco | US | | | | | | | | | | | | | | | | | | | |
| Treatment One | | | | | | | | US | | | | | | | | | | | | |
| Waste Management Inc. | US | | US | | US | US | | | | US | | US | US | US | | US | | | | US |

Country of Generator or Receiver: US United States of America

