

Resilog

New CEPA Regulations for the Control of Interprovincial Movements of Hazardous Wastes and Hazardous Recyclable Materials

Environment Canada is in the process of developing new regulations and adopting aspects transferred from the Transportation of Dangerous Goods Regulations (TDGR) to the new *Canadian Environmental Protection Act* (CEPA 1999) for the interprovincial transport of hazardous wastes and hazardous recyclable materials.

A series of four, two-day stakeholder workshops was held in the fall of 2000 to consult on these proposed CEPA 1999 regulations. The workshops were held in Toronto (September 12-13), Montréal (September 20-21), Halifax (September 25-26) and Calgary (October 2-3) in order to obtain broad regional stakeholder representation. Representatives from industries, carriers, waste management companies and environmental non-governmental organizations were invited to attend.

(cont'd on p. 2: *Interprovincial Movements*)

Environmentally Sound Management

Environmentally sound management (ESM) of hazardous wastes and hazardous recyclable materials has been brought to the

One World



regime, ensuring equivalent minimum environmental protection throughout Canada while also respecting regional differences. Currently, there is increased opportunity for governments and industry within Canada to address pertinent provisions of CEPA 1999, the Basel Convention and the OECD decisions.

(cont'd on p. 2: *ESM*)

Electronic Data Exchange (EDE)

forefront, both internationally through the Basel Convention and Organization for Economic Cooperation and Development (OECD) decisions, and nationally through CEPA 1999. CEPA 1999, Division 8, Sections 185 and 186, gives the Minister new authority to refuse to issue a permit to import or export these materials, based on ESM criteria.

Canada is now challenged with the development of a national ESM

In 1999, the Transboundary Movement Division (TMD) developed an e-mail pilot application for bulk transfers of notice and manifest data from clients. Both these projects have completed their pilot status and are now being upgraded so they may be more seamlessly integrated into the Canadian Notice and Manifest Tracking System (CNMTS).

(cont'd on p. 2: *EDE*)

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Interprovincial Movements

(cont'd from p. 1)

A new system is also being developed that will enable data to be transferred and shared electronically between TMD and its provincial counterparts.

This series of workshops provided an opportunity for stakeholders to:

- review the proposed contents of the regulations;
- give feedback on the direction of the proposed regulations;
- generate consensus on major issues; and
- identify key areas that need clarification in anticipation of drafting the new regulations in early 2001.

Representation at the workshops was well distributed between industry, carriers and waste management companies. Additionally, a significant number of participants from the rail sector attended the Calgary workshop.



Participants at the Stakeholder Consultations, September 2000, Halifax. From left to right: Clint Edmonds, Head Facilitator; Simone Godin, CCME HWTG Chair (New Brunswick); and Joe Wittwer, Environment Canada..

A substantial amount of discussion took place, and a number of common issues were expressed by the majority of participants throughout each of the workshops. These issues were identified as the need:

- to harmonize regulations between the federal government and the provincial governments throughout Canada;

- for the proposed regulations to better facilitate and promote recycling;
- for a system of obtaining Permits for the Equivalent Level of Environmental Safety (PELES) that is fair, consistent, economical and timely; and
- to properly recognize the role of transfer stations and waste brokers in the business of waste management.

A report was prepared following the four workshops. Further comments from workshop participants were invited until the middle of October, and were incorporated into the report in a separate appendix. A copy of the report has been forwarded to the workshop participants and is currently available through the CEPA Registry at: <http://www.ec.gc.ca/CEPARRegistry/participation>

For more information:

Joe Wittwer, joe.wittwer@ec.gc.ca

ESM

(cont'd from p. 1)

Cooperation and coordination between the federal government, provinces and territories is essential to the development and implementation of ESM, due to the shared jurisdiction of waste management in Canada.

An initiative is currently under way to develop and implement a Canadian ESM regime. A meeting was held with the members of the Canadian Council of Ministers of the Environment (CCME) Hazardous Waste Task Group in January 2001 to discuss the development and implementation of such a regime. It would include the development of ESM principles and criteria, the revision of existing guidelines related to the management of hazardous wastes, and the creation of new guidelines as required.

The regime would be developed through full consultation with stakeholders. A detailed ESM Framework and Workplan will be developed in the spring of 2001, with further work continuing based on that workplan. The timeline for development and implementation of the ESM regime is anticipated to be approximately five years.

For more information:

Dave Campbell,
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EDE

(cont'd from p. 1)

With the completion of these pilots, it will be possible to deposit notices and manifests directly into the Export and Import of Hazardous Wastes (EIHW) 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 use the traditional method of completing the notice and manifest by hand and forwarding them to TMD, where an agent types the information into the database directly.

The electronic notice and manifest forms are almost identical 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 many drop-down boxes and radio buttons to assist the user in filling out the electronic forms.

The present CNTMS system is very robust and with its electronic data transfer upgrades, it will continue to lead the way as a state-of-the-art tool for hazardous waste tracking and compliance monitoring.

For more information:

Colin Code, colin.code@ec.gc.ca

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Provincial Web Project

TMD is in the early stages of development, testing, installation and configuration of the necessary technical and security components to facilitate the electronic submission via the Internet of notification decisions made by provincial ministries.

This work will allow TMD's provincial partners to object or consent to pending notification requests automatically via the Internet. Those decisions will be transmitted directly to the TMD production database and application, where they will be processed automatically. We will also send our provincial partners their relevant manifest information electronically upon request.

For more information:
Colin Code, colin.code@ec.gc.ca

Export and Import of Prescribed Non-Hazardous Wastes Destined for Final Disposal Regulations

Canada made a commitment in 1992 to control the transboundary movements of non-hazardous wastes when it ratified the Basel Convention. Also in 1992, the Canada-U.S.A. Agreement on the Transboundary Movements of Hazardous Wastes was amended to include non-hazardous wastes.

This commitment is reflected in the new *Canadian Environmental Protection Act*. CEPA 1999, which came into force in 2000, provides specific authority in this regard. Applicable authority under CEPA 1999 includes:

- a requirement to notify for proposed imports, exports and transits into, out of and through Canada of prescribed

- non-hazardous wastes destined for final disposal;
- the ability of the Minister of the Environment or the importing jurisdiction to refuse the shipment on environmental grounds; and
- a requirement to meet any other conditions contained in the regulation.

In August 2000, Environment Canada released a discussion paper on new regulations for the export and import of non-hazardous wastes destined for final disposal under the new CEPA. This discussion paper solicits comments from stakeholder groups across the nation and will be the basis for the upcoming policy.

Nationwide stakeholder consultations regarding the proposed regulations were held in March 2001. Following these consultations, a policy paper will be developed.

For more information: Grace Howland, grace.howland@ec.gc.ca

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**

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal

The 17th session of the Technical Working Group (TWG) of the Basel Convention, held in Geneva, October 9-11, 2000, was attended by Canadian delegates including representatives from TMD, Natural Resources Canada and others. This session was immediately followed by the 2nd session of the Legal Working Group (LWG).

Technical Working Group

At the TWG meeting, consideration was given to the draft technical guidelines on the environmentally sound management (ESM) of:

a) Biomedical and Healthcare Wastes

The TWG decided to:

- transmit the present technical guidelines to the next meeting of the Conference of the Parties (CoP6 – scheduled for May 2002) for consideration and eventual adoption; and
- agree that the technical guidelines adopted by the Group should be published and made available prior to CoP6.

b) Plastic Wastes

Progress was made in developing draft technical guidelines on ESM of plastic wastes. The TWG requested that the secretariat prepare a revised draft of the technical guidelines in time for its next meeting, making use of input from work carried out in other fora.

c) Lead Battery Wastes

The second draft of guidelines on the management of lead acid battery wastes was introduced. Representatives from the International Lead Management Center Inc., the Battery Council

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Basel Convention

(cont'd from p. 3)

International and other experts indicated their support for the draft guidelines, noting that good battery design is an important factor for good recycling. The guidelines will undergo at least one more cycle of comments and revisions, including the incorporation of industry comments.

d) Metal and Metal Compounds

A preliminary draft paper was introduced. It included guidelines that seek to address the recycling and reclamation of metals and metal compounds (R4).

Expert delegate observations on the draft included comments on: indicators of potential hazards to human health and the environment and criteria to use for metals; the relationship between the development of the guidelines and the work under way regarding hazard classification; the need to further elaborate on waste avoidance and cleaner production; and technology innovations.

e) Dismantling of Ships

The joint Technical and Legal Working Group reported on current work on the preparation of technical guidelines for dismantling ships. The report included the draft list of wastes and substances considered hazardous under the Basel Convention that may be on board, or integral to the structure of, vessels arriving at dismantling sites. The major issues outlined in the draft technical guidelines include:

- health and safety of workers;
- re-rolling of steel;
- partial dismantling;
- emergency contingency plan;
- fundamental questions such as when does a ship become waste;
- scope of the guidelines.

Persistent Organic Pollutants (POPs)

The TWG's current work program includes development of a technical guideline for the management of POPs and guidance material to explain the Basel Convention's obligations concerning POPs that are wastes.

Several sets of technical guidelines are available on the Basel website (<http://www.basel.int>) that concern or are related to POPs as wastes; refer to UNEP/CHW/TWG/17/11.

Cooperation with the World Customs Organization

Parties and Signatories were encouraged to provide proposals on the types of hazardous wastes and other wastes which they would like to be submitted to the World Customs Organization Harmonized System for consideration during the next revision of the Harmonized System in 2007.

Legal Working Group

The 2nd session of the Legal Working Group (LWG) was held in Geneva, Switzerland, on October 12-13, 2000. The Secretariat presented:

- The Canadian Paper on Monitoring the Implementation of and Compliance with the Obligations set out by the Basel Convention (decision V16); and
- The Paper on Prevention and Monitoring of Illegal Traffic in Hazardous Wastes and Other Wastes (decision V23).

Meeting documents are publicly available at:
<http://www.basel.int/meetings/sbc/lwg2-pre.htm>

For more information:
Joe Wittwer, joe.wittwer@ec.gc.ca

OECD Meetings

OECD Workshop on Environmentally Sound Management (ESM) of Wastes Destined for Recovery Operations

The 2nd OECD ESM workshop was held in Vienna, Austria, on September 28-29, 2000. It was attended by representatives of TMD, Natural Resources Canada, and a Canadian recycling company.

Workshop participants recognized that an important goal of an ESM program would be to develop high-level standards/ guidelines in order to foster sustainable development. It was also emphasized at the workshop that the principal focus of the ESM program should be on recovery.

It was recommended that the following actions be undertaken:

- refine and elaborate goals and objectives of ESM;
- further develop ESM guidelines for personal computers;
- investigate the possible use of ESM; and
- identify waste streams where further ESM guidelines are needed.

OECD Working Group on Waste Management Policy (WGWMP)

The 51st meeting of the WGWMP was held in Vienna, Austria, on October 2-4, 2000. It was recommended that the following actions be undertaken:

- invite member comments on Austrian & U.S. contributions on personal computers, and the legal status of ESM guidelines;
- authorize the WGWMP Bureau to consider the appropriate future steps towards development of the ESM agenda.

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Resi - Write

Question: "I am filling out my notice and may have more than one final destination for box 5. What do I do?"

Answer: Box 5 of the notice to provide details of the final destruction must be completed if the disposal/recycling operation is D13 (Blending or mixing), D14 (Repackaging), R12 (Waste exchange), or R13 (Accumulation), as described in Schedule I of the EHW Regulations, OR if the importer is not the same as the hazardous waste recycler in Canada.

When the waste is to be sent to more than one final destination, the Canadian importer must provide Environment Canada's TMD with an attachment listing the final sites. To avoid confusion and ensure that the consent mechanism with the province of final destination is efficient, the notifier must clearly indicate which waste streams on the notice will be sent to which final destination(s). To the extent possible, separate notices should be used for waste streams destined for different final destinations or for a combination of final destinations.

If a series of import notices from the same foreign exporter but with multiple final destinations is used,

an attachment with information as set out below is requested to avoid delays in processing.

A column should be used for each final destination with the proper information. If the final destination is in Ontario, you must add the Ontario Waste Class # (as per company Y in the example below).

Question: "The transport company by which I plan to ship my waste uses or may use subcontractors. Can I just name the main carrier on my notice?"

Answer: Each carrier involved in the import, export or transit of hazardous wastes or hazardous recyclable materials must be named on the notice. In addition, the carrier's licence or permit number and the mode of transport to be used must be included. Therefore, if a carrier is using one or more subcontractors, the Canadian notifier must include an attachment listing the same information on the other carriers that will be used.

If the transport company intends to add a new subcontractor over the course of the notice consent period, the importer, exporter or notifier must inform TMD and wait for consent to such an amendment to the carrier list before this new subcontractor may be used.

Upcoming Meetings

Basel Convention

18th Session of the Technical Working Group & 3rd Session of the Legal Working Group
June 18 - 22, 2001, Geneva

Technical Working Group meeting
October 1 - 2, 2001, Geneva

Legal Working Group meeting
October 3 - 4, 2001, Geneva

Joint Technical & Legal Working Group meeting
October 5, 2001, Geneva

Working Group for Implementation meeting
December 3 - 7, 2001, Geneva

6th Meeting of the Conference of the Parties to the Basel Convention (CoP6)
May 20 - 25, 2002 (tentative)

OECD

Working Group on Waste Prevention and Recycling (WGWPR), formerly the Working Group on Waste Management Policy (WGWMP)
Sept. - Oct. 2001, Paris

Final Destinations (Box 5)

Notice & Line #	TDGR PIN	Company X Licence / Permit No.	Company Y Licence / Permit No. (e.g., Ontario)	Company Z Licence / Permit No.
10000 (1)	UN1993	*	*145I	*
10001 (1,3)	UN1325 UN1759	*		*
10002 (2)	UN2728			*

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Parties to the Basel Convention

as of December 5, 2000

Africa	Asia and Pacific	Western Europe and Others	Central and Eastern Europe	Latin America and Caribbean
Algeria Benin Botswana Burkina Faso Burundi Cape Verde Comoros Côte d'Ivoire Democratic Republic of Congo Egypt Ethiopia Gambia Guinea Kenya Lesotho Madagascar Malawi Mali Mauritania Mauritius Morocco Mozambique Namibia Niger Nigeria Senegal Seychelles South Africa Tunisia Uganda United Republic of Tanzania Zambia	Bahrain Bangladesh China India Indonesia Iran (Islamic Republic of) Japan Jordan Kiribati Kuwait Kyrgyzstan Lebanon Malaysia Maldives Micronesia (Federated States of) Mongolia Nepal Oman Pakistan Papua New Guinea Philippines Qatar Republic of Korea Saudi Arabia Singapore Sri Lanka Syrian Arab Republic Thailand Turkmenistan United Arab Emirates Uzbekistan Viet Nam Yemen	Andorra Australia Austria Belgium Canada Cyprus Denmark Finland France Germany Greece Iceland Ireland Israel Italy Liechtenstein Luxembourg Malta Monaco Netherlands New Zealand Norway Portugal Spain Sweden Switzerland Turkey United Kingdom of Great Britain and Northern Ireland	Albania Armenia Belarus Bulgaria Croatia Czech Republic Estonia Georgia Hungary Latvia Lithuania Poland Republic of Moldova Romania Russian Federation Slovakia Slovenia Yugoslavia The former Yugoslav Republic of Macedonia Ukraine	Antigua and Barbuda Argentina Bahamas Barbados Belize Bolivia Brazil Chile Colombia Costa Rica Cuba Dominica Dominican Republic Ecuador El Salvador Guatemala Honduras Mexico Nicaragua Panama Paraguay Peru Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines Trinidad and Tobago Uruguay Venezuela
32	33	28	20	29

As of December 2000, 142 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 recently ratified the Basel Convention include: Mali (December 5, 2000); Kiribati (September 7, 2000); Dominican Republic (July 10, 2000); Kenya (June 1, 2000); Lesotho (May 31, 2000); Ethiopia (April 12, 2000); and Yugoslavia (April 18, 2000).

Ratifications of the Ban Amendment

as of December 5, 2000

Africa	Asia and Pacific	Western Europe and Others	Central and Eastern Europe	Latin America and Caribbean
Tunisia	Sri Lanka	Andorra Austria Cyprus Denmark Finland Luxembourg Norway Portugal Spain Sweden United Kingdom of Great Britain and Northern Ireland	Slovakia Bulgaria Czech Republic	Ecuador Panama Paraguay Trinidad and Tobago Uruguay
1	1	11	3	5

Countries that recently ratified the Basel Ban Amendment include: Portugal (October 30, 2000); Cyprus (July 7, 2000); Czech Republic (accessed February 28, 2000); and Bulgaria (February 15, 2000). The total number of ratifications, as of December 2000, was 22. Three fourths of the Parties present at the time of adoption of the amendment (62 Parties) must ratify the amendment before it enters into force .

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Annex VII

Under the Basel Ban Amendment (not yet in force), countries included in Annex VII (currently the OECD, European Union and Liechtenstein) are prohibited from exporting wastes destined for either disposal or recycling to non-Annex VII countries. The Ban Amendment must be ratified by three fourths of the Parties present at the time of the adoption of the amendment in order to enter into force (62 Parties).

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* (CEPA 1999). *Resilog* Tables 1, 2 and 3 describe notices for proposed exports, imports and transits of hazardous wastes, received by Environment Canada in the first six months of 2000. Notice status and notified quantities are summarized below.

Table of Notified Quantities

		Exports	Imports	Transits
Number of Duly Completed Notices Received		597	2,626	72
Number of Waste Streams Involved (PIN)		360	218	124
Total Quantity Notified	(tonnes)	1,249,954	5,467,329	13,190
Quantity Consented	(tonnes)	1,232,713	4,405,093	13,190
Quantity Objected	(tonnes)	17,241	168,261	0
Quantity Pending	(tonnes)	0	893,974	0

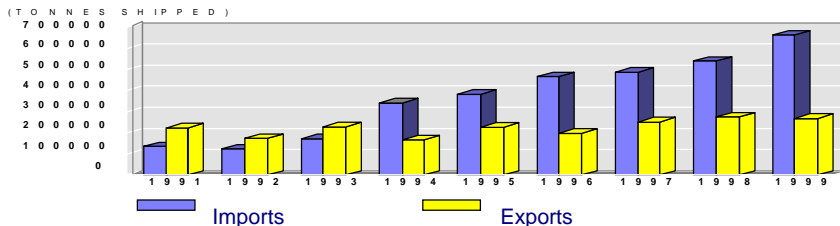
Note that in the case of export and import notices, the quantity notified is not the same as the quantity shipped. Exporters and importers routinely overestimate waste quantities on their notices, given that they must project the physical and chemical nature of hazardous wastes that will be shipped over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

Fast Facts

Most Notified Waste Groups, January 1 - June 30, 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	273,740	21.9%	• Leachable Toxic Wastes	3,373,342	61.7%
• Leachable Toxic Wastes	237,491	19.0%	• Environmental Hazards	645,145	11.8%
• Flammable Liquids	217,492	17.4%	• Corrosive Liquids	563,135	10.3%
• Metal and Mineral Wastes	128,745	10.3%			
• Battery Wastes	127,495	10.2%			
• Environmental Hazards	81,247	6.5%			

Hazardous Waste Management in Canada Export and Import Statistics



As stated above, values shown in the Table of Notified Quantities do not reflect actual shipments. The chart above depicts actual shipments during 1991 to 1999. Over the last two years, imports of hazardous waste have increased. In 1998, 545,000 tonnes of hazardous waste were imported; in 1999, imports amounted to 663,000 tonnes. Whereas in 1998 nearly 60% of these imports were destined for recycling, in 1999 only 40% of imports went to recycling operations.

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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
2. Biomedical Wastes
3. Corrosive Liquids
4. Corrosive Solids
5. Environmental Hazards
6. Flammable Liquids
7. Flammable Solids

8. Gases
9. Halogenated Organic Wastes
10. Inorganic Wastes
11. Leachable Toxic Wastes
12. Metal and Mineral Wastes
13. Non-halogenated Organic Wastes

14. Oils/Fuels
15. Oxidizers
16. Paint-related Wastes
17. Pesticide Wastes
18. Poisonous Liquids
19. Poisonous Solids
20. Polychlorinated Biphenyls

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

The names of the notifiers are entered alphabetically on the left and the waste groups across the top. For exports and imports a letter code representing the name of the country of origin (imports) or destination (exports) is entered in the row corresponding to the name of the notifier and in the column for that waste type. The legend of country codes is given at the bottom of each table. For transits, the actual movement is described as an "X" or other symbol entered in the appropriate column for that waste group and row for each notifier.

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Table 1
Notices Received for Proposed Exports of Hazardous Wastes
(1st and 2nd quarters 2000)

Waste Group

Name of Generator	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Advanced Finishing Technologies			X																	
Aimco Solrec Ltd.					X	X	X													
Alcan												X								
Alcan Smelters & Chemicals Limited											X									
Aluminerie de Becancour												X								
American Iron & Metal Co. Inc.											X									
Aquatech Blue Ltd.			X	X						X	X								X	X
ARGO-TECH Productions Inc.	X											X								
Astra Battery Recycling Inc.											X									
Batteries Puissantes	X																			
Battery Broker Environmental Serv. Inc.	X																			
Bonus Metal Canada Inc.	X																			
Canada Metal (Western) Ltd.																			X	
Cascades East Angus Inc.			X																	
Catalyst Recovery Canada Ltd.							X													
CEDA-Reactor Ltd.					X	X														
Century Circuits Inc.			X																	
Chisick Metal Ltd.	X																			
Chromeshield Co.										X										
Circuits in Print			X																	
Co-Steel Lasco												X								
CORETEC INC.			X																	
Criterion Catalyst Canada Inc.					X															
Dominion Metal & Ref.	X																			
E.I.L. Environmental Services												X								
Electropac Ltd.			X																	
Enviro-Med Canada Inc.		X				X												X	X	
Enviro West Inc.						X					X									
Ethyl Canada Inc.			X																	
Exide Canada, Inc.	X										X		X							
Exttox Inc.									X											
Falconbridge Limited											X									
Fielding Chemical Technologies Inc.						X														
Ford Motor Co. of Canada			X													X				
GE Lighting Canada												X								
General Chemical Canada Ltd.			X																	
General Scrap Iron & Metals Ltd.	X																			
Gopher Environmental Services Corp.	X																			
Harold Marcus Ltd.					X															
Hotz Environmental Services Inc.					X	X					X			X		X		X	X	
Ilco Unican Inc.												X								
Imperial Oil																			X	
Ingot Metal Company Ltd.										X										
International Marine Salvage Inc.	X				X							X						X	X	
International Truck & Engine Corp.													X							

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Table 1 (cont'd)
Notices Received for Proposed Exports of Hazardous Wastes
(1st and 2nd quarters 2000)

Waste Group

Name of Generator	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Irving Pulp and Paper Limited			X																	
K C Recycling Ltd.	X																			
K.P. Bronze Ltd.										X										
Kawartha Battery	X																			
Les Services Env. de l'Est Inc.						X														
Med-Tech Environmental Ltd.		X																		
Medical Waste Management		X				X							X					X	X	
Miller Environmental Corporation						X					X			X		X				
Multicore Canada Inc.											X									
New Brunswick Power Corporation					X															
Newalta Corporation						X														
Oakside Chemicals Ltd.						X														
Omni Graphics			X																	
Onyx Industries					X	X				X		X								
Pacific Metals Ltd.												X								
PC World			X																	
Petro Canada							X													
Philip			X	X											X			X		
Philip Enterprises Inc.			X			X	X	X			X	X	X			X	X		X	
Philip Environmental			X						X	X	X							X		
Philip Services Inc.	X		X	X	X	X	X		X	X	X	X	X		X	X		X		
Power Battery Sales Ltd.	X																			
PPG Canada Inc.						X					X					X				
Praxair Canada Inc.												X								
Pure Metal Galvanizing			X								X									
Quantex Technologies			X	X							X							X	X	
R. P. R			X		X						X	X								
Reycan L.P.												X								
Royal Canadian Mint			X		X															
Safety-Kleen Canada Inc.			X			X	X		X		X			X		X				
Safety-Kleen Ltd.	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Safety-Kleen Services (Quebec) Ltd.	X		X	X	X	X	X	X	X	X		X	X		X			X	X	
Sergroup Technologies Inc.												X								
Shell Canada Products					X															
Société d'électrolyse et de chimie Alcan											X									
The Battery Broker												X								
Toxco	X																			
Toxco Waste Management					X							X								
Tree Island Industries Ltd.			X		X						X									
Ultramar Ltée			X																	
Uniroyal Chemical Ltd.			X		X															
Universal Drum Reconditioning					X															
Viasystems Canada, Inc.			X																	
Wabash Alloys Ontario												X								
Waste & Recycling Services											X									

Country of Destination

X United States of America

Resilog

Table 2
Notices Received for Proposed Imports of Hazardous Wastes
(1st and 2nd quarters 2000)

Waste Group

Name of Importer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
American Iron & Metal Co. Inc.										X										X
ATC Environmental Group Inc.																				
Bennett Environmental Inc.					X															MX
Bovar Waste Mgmt, Chem-Security (AB) Ltd.					X		AU		X											
Buckham Transport			BS		BS	BS									BS					
C.R.I. Environment Inc.	X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X
C.R.I. Environmental Inc.	X		X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X
Chem Tech Environnement Inc.	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
Chemrec Inc.					X	X			X				X			X		X		
Cominco Ltd.					X					X										
Custom Environmental Services Ltd.					X	X										X		X		
Cyanide Destruct Systems Inc.			X	X					X	X								X		
Eaglebrook Inc. of Canada			X																	
Exttox Inc.									X											
Falconbridge Limited					X		X				X	X								
Fanchem Ltd.			X																	
Fielding Chemical Technologies Inc.						X							X							
Honeywell ASCA Inc.					X															
Horizon Environment Inc.					X															
Hotz Environmental Services Inc						X										X		X		
Inco Limited									X, DE											
International Marine Salvage Inc.	X											X								
K C Recycling Ltd.	X																			
Lennox Drum Limited			X			X		X	X				X		X			X		
Medical Waste Management		X				X							X		X			X	X	
Metalex Products Ltd.					X															
Mississauga Metals & Alloys												ES								
Multicore Canada Inc.											X									
Noranda CCR											X									
Noranda Inc., Fonderie Horne				X	Z						ZZ	X								GB
Noranda Inc., Brunswick Smelter					X						X									
Noranda Inc., Mines Gaspé					X, DE						X									
Nova Pb Inc.	X										X									
Onyx Industries			X	X	X	X	X	X		X	X	X			X	X	X	X	X	X
Philip Enterprises Inc.			X	X	X	X	X				X	X								
Philip Services Corp.			X	X											X			X	X	
Pinnacle Waste Services, Inc.						X		X								X				
R. P. R			X	X		X														
Recyclage d'Aluminum Québec												X								
Safety-Kleen Ltd.	V		Y	Y	Y	Y	Y	V		Y	W	V	Y	V	Y	V	Y	Y	Y	
Safety-Kleen Services (Mercier) Ltd.			X		X	X												X		
Safety-Kleen Services (Québec) Ltd.			X		X	X												X		
Services Sanitaires de Recyclage Expert																		X	X	
Silicycle Inc.							X													
SMC (Canada) Ltd.											X									
Stablex Inc.	X		X	X	X		X	X	X	X	X	X			X		X	X	X	
The Recycle Systems Co. Inc.								X				X								
Tonolli Canada Ltd.	X																			
Toxco Waste Management	X																			

Country of Origin

AU Australia
 BS Bahamas
 DE Germany
 ES Spain
 GB United Kingdom
 MX Mexico

V Oman and United States of America
 W Barbados and United States of America
 X United States of America
 Y Barbados, Oman and United States of America
 Z United States of America, Singapore, Netherlands, Germany
 ZZ United States of America, Netherlands, Italy, United Kingdom, Germany

Resilog

Table 3
Notices Received for Proposed Transits of Hazardous Wastes
(1st and 2nd quarters 2000)

Waste Group

Name of Notifier	Movement	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Absolute Environmental Services	US to US												X								X
Alaska Airlines	US to US						X					X					X				
Cascade Environmental	US to US												X								
Chugach Electric Association	US to US																X		X		X
CSO Adak Environmental	US to US					X	X				X		X		X		X				
Dept. of the Interior	US to US												X								
Glacier Bay Nat'l	US to US																				
DRMO	US to US	X		X	X	X	X		X	X	X		X	X	X		X	X	X	X	X
GE Packaged Inc.	US to US					X			X												
Haines Army Fuel Terminal	US to US					X	X						X								
Mac's Inc.	US to US																				X
Matanuska Electric Assn.	US to US																				X
Norgetown Laundry & Cleaners	US to US					X															
Philip Environmental	US to US	X		X	X	X	X	X	X	X			X			X	X		X	X	X
Philip Services (Industrial Serv. Group)	US to US	X		X		X			X								X				
U.S. Coast Guard	US to US	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
White Pass & Yukon Railroad	US to US						X										X		X		

Country of Generator or Receiver

X United States of America

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