



Conservation and Water Stewardship

Climate Change and Environmental Protection Division
Environmental Assessment and Licensing Branch
123 Main Street, Suite 160, Winnipeg, Manitoba R3C 1A5
T 204 945-8321 F 204 945-5229
www.gov.mb.ca/conservation/eal

CLIENT FILE NO.: 3624.00

January 31, 2012

Mr. Daniel Chisick
Industrial Metals (2011)
2141 Logan Avenue
Winnipeg, MB R2R 0J3

Dear Mr. Chisick:

Enclosed is **Licence No. 23 HW RRRR** dated January 31, 2012 issued in accordance with *The Dangerous Goods Handling & Transportation Act* to **Chisick Metals (2000) Ltd. and 4316681 Canada Inc. operating as Industrial Metals (2011)** for the operation of a hazardous waste transfer station (the "facility"), for the storage and then shipment of waste magnesium turnings, lead-acid batteries, and nickel-cadmium batteries, and other types of battery, located on the property described as 2141 Logan Avenue, in The City of Winnipeg, and in accordance with the Application dated June 8, 1993 and the additional information dated December 15, 1997, April 13, 1999, July 14, 2005, January 11, 2011 and November 9, 2011.

In addition to the enclosed Licence requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with. A Notice of Alteration must be filed with the Director for approval prior to any alteration to the facility as licensed.

For further information on the administration and application of the Licence, please feel free to contact Ms. Kim Fedick, Environment Officer at (204) 945-0992.

Pursuant to Section 25 of *The Dangerous Goods Handling & Transportation Act*, this licensing decision may be appealed by any person who is affected by the issuance of this Licence to the Minister of Conservation within 30 days of the date of the Licence.

Yours truly,

Tracey Braun, M. Sc.
Director
Environment Act

Enc.

c: Don Labossiere, Director, Environmental Operations & Public Registries

NOTE: Confirmation of Receipt of this Licence No. 23 HW RRRR (*by the Licensee only*) is required by the Director of Environmental Assessment and Licensing. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by February 10, 2012

On behalf of Industrial Metals (2011)

Date

****A COPY OF THE LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES****



LICENCE

Licence No./Licence n°	<u>23 HW RRRR</u>
Issue Date/Date de délivrance	<u>May 24, 1994</u>
Revised :	<u>January 8, 1998</u>
Revised :	<u>March 31, 2000</u>
Revised :	<u>October 4, 2005</u>
Revised :	<u>January 31, 2012</u>

In accordance with The Dangerous Goods Handling and Transportation Act (C.C.S.M. c. D12)/
Conformément à la Loi sur la manutention et le transport des marchandises dangereuses (C.P.L.M. c. D12)

THIS LICENCE IS ISSUED TO:/CETTE LICENCE EST DONNÉE À:

**CHISICK METALS (2000) LTD. and 4316681 CANADA INC. operating as
INDUSTRIAL METALS (2001);
"the Licencee"**

for the operation of a hazardous waste transfer station (the "facility"), for the storage and then shipment of waste magnesium turnings, lead-acid batteries, and nickel-cadmium batteries, and other types of battery, located on the property described as 2141 Logan Avenue, in The City of Winnipeg, and in accordance with the Application dated June 8, 1993 and the additional information dated December 15, 1997, April 13, 1999, July 14, 2005, January 11, 2011 and November 9, 2011 and filed under *The Dangerous Goods Handling and Transportation Act* and subject to the following restrictions and conditions:

DEFINITIONS

In this Licence,

"lead-acid batteries" means batteries formerly used as a source of electromotive force for a means of transport;

"magnesium turnings" means a solid composed of magnesium or a magnesium alloy;

"nickel-cadmium batteries" means batteries containing cadmium that can be classified as leachable toxic waste (L7) as per *Manitoba Regulation 282/87 Classification Criteria for Products, Substances and Organisms*; and

"other batteries" means batteries and cells listed in Appendix "A"; and

****A COPY OF THE LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES****

"waste battery" means a battery or cell that:

- a) through use, storage, handling, defect, damage, expiry of shelf life or other similar circumstance can no longer be used for its original purpose; or
- b) for any other reason, the owner or person in possession of the battery intends to dispose of it;

GENERAL TERMS AND CONDITIONS

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall implement a high standard of equipment maintenance and good housekeeping and operational practices with respect to the facility, at all times.
2. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.
3. The Licencee shall erect a fence or barrier of a minimum height of 2.4 meters to restrict access to the facility by unauthorized personnel. This fence or barrier shall have a locking gate, which shall be locked at all times except to allow access and egress from the facility. Proper signs shall be posted in a conspicuous location around the storage area.
4. The Licencee shall not receive or store at the facility any hazardous waste, as defined by *Manitoba Regulation 282/87 Classification Criteria for Products, Substances and Organisms*; or subsequent amendment, other than lead-acid batteries, waste magnesium turnings, nickel-cadmium batteries, and other batteries.

Waste Magnesium Turnings

5. The Licencee shall maintain, at the facility, records related to waste magnesium turnings. These records shall include, but not be limited to the following:
 - a) the name and address of the supplier and the quantity, as weight, of waste magnesium turnings received on a daily basis; and
 - b) all duly completed manifests pursuant to Section 12 of *The Dangerous Goods Handling and Transportation Act*.
6. The Licencee shall submit a summary of the records maintained at the facility, pursuant to Clause 5 of this Licence, to the Director on a quarterly (every three months) basis.
7. The Licencee shall store the waste magnesium turnings in sealed drums on a pallet or other device acceptable to the Director.

8. The Licencee shall not permit the inventory of waste magnesium turnings at the facility to exceed 11000 kilograms.
9. The Licencee shall provide information to the local fire department so that it is made aware that the facility contains waste magnesium turnings, and in case of a fire at the facility, appropriate action can be taken so that water is not allowed to enter the sealed drums of waste magnesium turnings.

Nickel-Cadmium Batteries

10. The Licencee shall maintain, at the facility, records related to waste nickel-cadmium batteries. These records shall include, but not be limited to the following:
 - a) the name and address of the supplier and the quantity, as weight, of waste nickel-cadmium batteries received on a daily basis; and
 - b) all duly completed manifests pursuant to Section 12 of *The Dangerous Goods Handling and Transportation Act*.
11. The Licencee shall submit a summary of the records maintained at the facility, pursuant to Clause 10 of this Licence, to the Director on a monthly basis.
12. The Licencee shall store the waste nickel-cadmium batteries in a sealed container acceptable to the Director.
13. The Licencee shall not permit the inventory of waste nickel-cadmium batteries at the facility to exceed 45400 kilograms.

Lead-Acid Batteries

14. The Licencee shall maintain, at the facility, records related to waste lead-acid batteries. These records shall include, but not be limited to the following:
 - a) the name and address of the supplier and the quantity, as weight, of waste lead-acid batteries received on a daily basis; and
 - b) all duly completed manifests pursuant to Section 12 of *The Dangerous Goods Handling and Transportation Act*.
15. The Licencee shall submit a summary of the records maintained at the facility, pursuant to Clause 14 of this Licence, to the Director on a monthly basis.
16. The Licencee shall store the waste lead-acid batteries in an area where the floor is resistant to acid.
17. The Licencee shall store the waste lead-acid batteries off the ground on a pallet or other device acceptable to the Director to a maximum height of not more than three battery heights.

18. The Licencee shall place a minimum of two layers of corrugated cardboard or other material which will prevent casing ruptures between successive layers of waste lead-acid batteries.
19. The Licencee shall store the waste lead-acid batteries in an area that is covered by a roof constructed in a manner acceptable to the Director.
20. The Licencee shall not store the waste lead-acid batteries in an area that contains any sewer lines that are connected at any point to the City of Winnipeg sewer system.
21. The Licencee shall have effective neutralizing materials or materials approved by the Director for the containment or clean-up of spills conspicuously placed in an area within the storage area.
22. The Licencee shall not permit the inventory of waste lead-acid batteries at the facility to exceed 45400 kilograms or 2500 batteries.

Other Batteries

23. The Licencee shall maintain, at the facility, records related to waste other batteries. These records shall include, but not be limited to the following:
 - a) the name and address of the supplier and the quantity, as weight, of waste other batteries received on a daily basis; and
 - b) all duly completed manifests pursuant to Section 12 of *The Dangerous Goods Handling and Transportation Act*.
24. The Licencee shall submit a summary of the records maintained at the facility, pursuant to Clause 23 of this Licence, to the Director on a monthly basis.
25. The Licencee shall store the waste other batteries in an area where the floor is resistant to acid.
26. The Licencee shall store the waste other batteries in the manner described for each type of battery or cell pursuant to the information in Appendix "A".

Financial Assurance/Insurance

27. The Licencee shall, within 30 days of the date of this Licence, post with the Manitoba Department of Conservation in the amount of \$10,000 Cdn:
 - a) a permit bond issued by a surety company licenced to do business in the Province of Manitoba;
 - b) an irrevocable letter of credit; or
 - c) another acceptable security satisfactory to the Director.

This permit bond, irrevocable letter of credit, or other security and renewals thereof shall remain in place for the duration of the operation of the facility. The Director

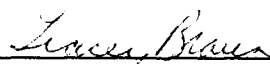
may order forfeiture of the permit bond, irrevocable letter of credit, or other security, either in whole or in part, by giving written notice to that effect to the Licencee, upon the Director being satisfied that the Licencee is in breach of any specification, limit, term or condition of this Licence, or for reimbursement of any costs or expenses incurred by the Province of Manitoba in rectifying environmental damage caused or contributed to by the operation of the facility.

Contingency/Emergency Response Plan

28. The Licencee shall submit to the Director for approval, within 60 days of the date of this Licence, a contingency plan, in accordance with the Manitoba Industrial Accidents Council (MIAC) *Industrial Emergency Response Planning Guide*, outlining procedures to be used in the event of a leak, spill, fire, or other hazardous condition at the facility.

REVIEW AND REVOCATION

- A. This Licence replaces Licence No. 23 HW RRR which is hereby rescinded.
- B. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms or conditions set out in this Licence, or if in the opinion of the Director a hazardous situation exists, the Director may, temporarily or permanently, revoke this Licence.



Tracey Braun, M. Sc.
Director
Dangerous Goods Handling
& Transportation Act

Client File No.: 3624.00

Consignor Registration No. MB G 00096
Consignee Registration No. MB R 02371

APPENDIX "A" to Dangerous Goods Handling and Transportation Act
Licence No. 23 HW RRRR

The batteries and cells referred to in the Definitions Section as "other batteries" in Licence No. 23 HW RRRR are:

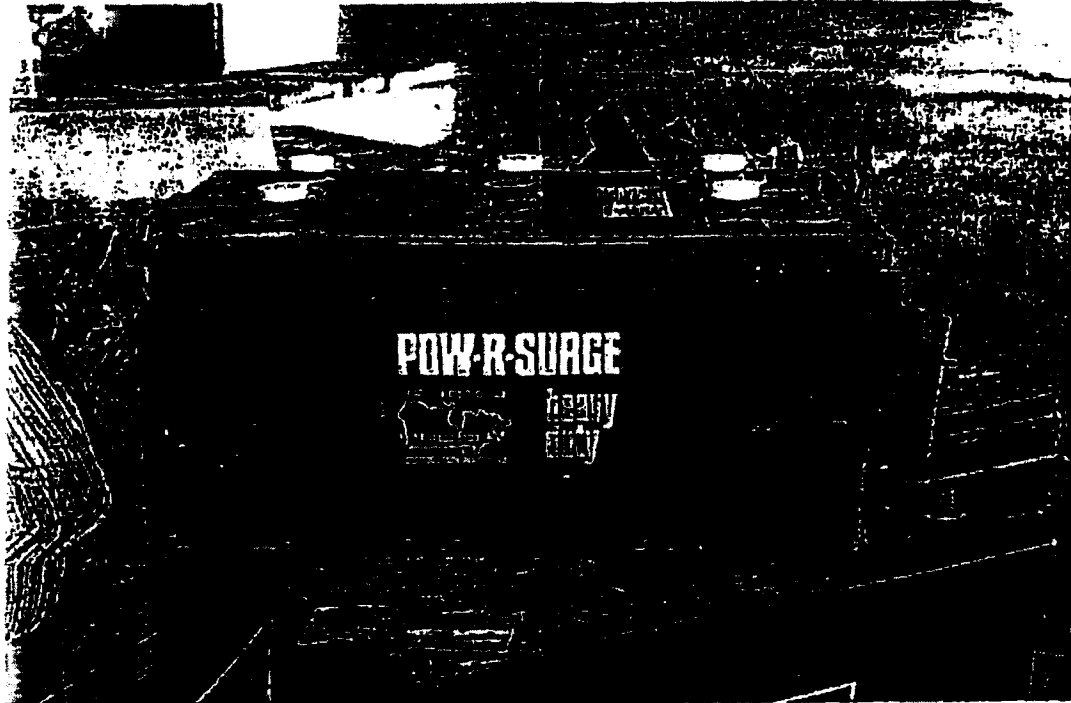
- **Lead Acid – Heavy Duty Equipment**
- **Lead Acid "Glass" Station**
- **Lead Acid – Steel Clad**
- **Lead Absolyte Battery**
- **Lead "Gates" Sealed Cell**
- **Lead Sealed Cells**
- **Lead Acid "Submarine" or "07" Tank Cells**
- **Lead Acid Monoblock Cell**
- **Alkaline Sealed Cell (flashlight etc.)**
- **Zinc Chloride, Zinc Carbon Lantern Battery**
- **Nickel Cadmium Sealed Cell Rechargeable**
- **Nickel Cadmium Vented Cell**
- **Air Depolarized Zinc (non-toxic)**
- **Air Depolarized Zinc(toxic with Mercury)**
- **Mercury Oxide Sealed Cells**
- **Lithium Cells and Batteries**

The acceptable storage instructions for the batteries and cells referred to in the Definitions Section as “other batteries” in Licence No. 23 HW RRRR are to be found on the following pages:

- **Lead Acid – Heavy Duty Equipment** **Page 3**
- **Lead Acid “Glass” Station** **Page 4**
- **Lead Acid – Steel Clad** **Page 5**
- **Lead Absolyte Battery** **Page 6**
- **Lead “Gates” Sealed Cell** **Page 7**
- **Lead Sealed Cells** **Page 8**
- **Lead Acid “Submarine” or “07” Tank Cells** **Page 9**
- **Lead Acid Monoblock Cell** **Page 10**
- **Alkaline Sealed Cell (flashlight etc.)** **Page 11**
- **Zinc Chloride, Zinc Carbon Lantern Battery** **Page 12**
- **Nickel Cadmium Sealed Cell Rechargeable** **Page 13**
- **Nickel Cadmium Vented Cell** **Page 14**
- **Air Depolarized Zinc (non-toxic)** **Page 15**
- **Air Depolarized Zinc(toxic with Mercury)** **Page 16**
- **Mercury Oxide Sealed Cells** **Page 17**
- **Lithium Cells and Batteries** **Page 18**

Battery Identification Guide

LEAD ACID - HEAVY DUTY EQUIPMENT



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, 112C, PG III, ERG#154

UNITED STATES: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, D002/D008, PG III, ERG#154

D.O.T.:

DESCRIPTION: BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2794

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 60-115

UNITED STATES WASTE NO: D002/D008

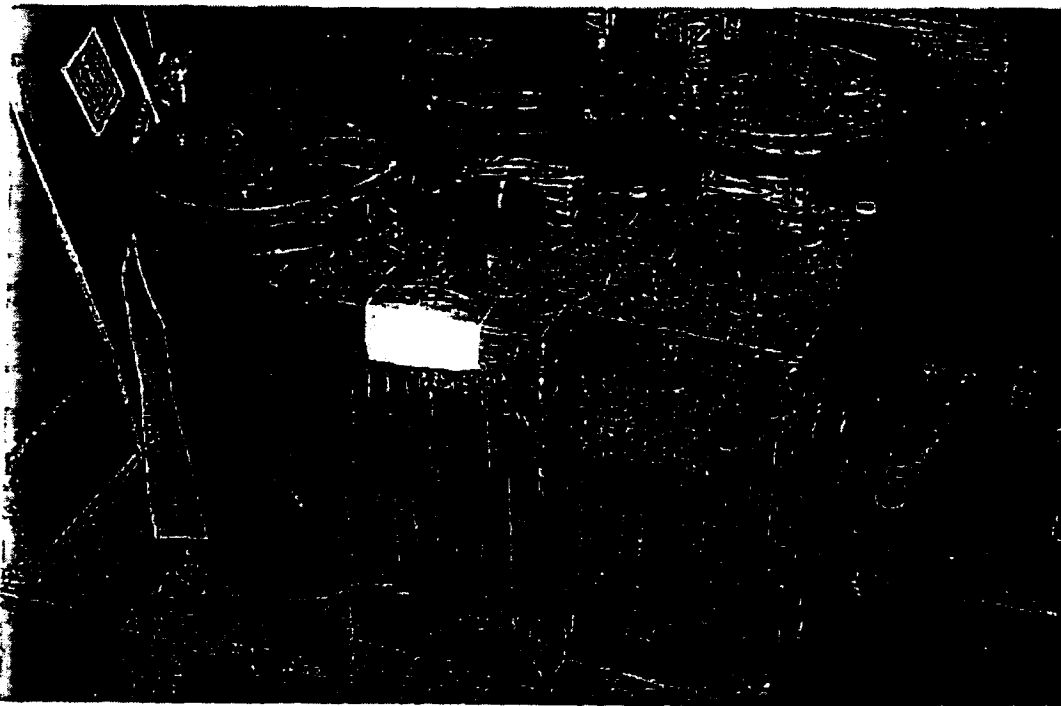
PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- USE CARDBOARD BETWEEN ROWS OF CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- DO NOT STACK CELLS MORE THAN THREE ROWS HIGH.

Battery Identification Guide

LEAD ACID "GLASS" STATION



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, 112C, PG III, ERG#154 .

UNITED STATES: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, D002/D008, PG III, ERG#154

D.O.T.

DESCRIPTION: BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2794

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 25-350

UNITED STATES WASTE NO: D002/D008

PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- USE CARDBOARD BETWEEN SKIDS AND CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- DO NOT STACK THESE CELLS.

Battery Identification Guide

LEAD ACID - STEEL CLAD



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, 112C, PG III, ERG#154.

UNITED STATES: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, D002/D008, PG III, ERG#154

D.O.T.

DESCRIPTION: BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2794

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 250-5000 UNITED STATES WASTE NO: D002/D008

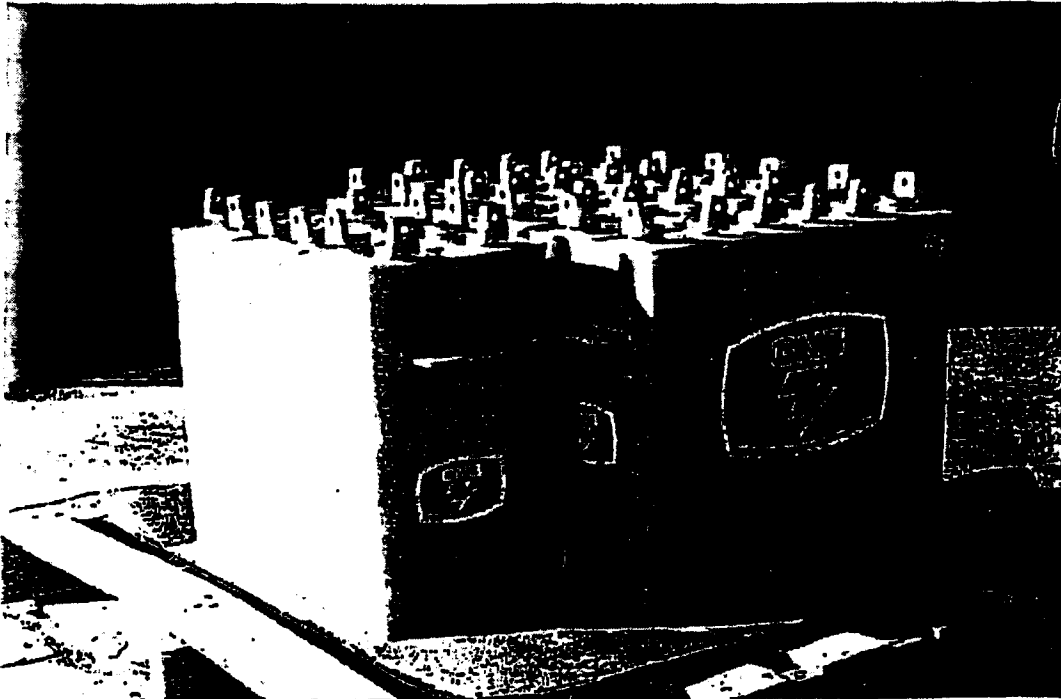
PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- USE CARDBOARD BETWEEN ROWS OF CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- DO NOT STACK THESE CELLS.

Battery Identification Guide

LEAD ABSOLYTE BATTERY



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, 112C, PG III, ERG#154

UNITED STATES: WASTE BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, D002/D008, PG III, ERG#154

D.O.T.

DESCRIPTION: BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2800

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 500

UNITED STATES WASTE NO: D002/D008

PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- THESE CELLS CONTAIN CADMIUM (AS MUCH AS 5%), AS WELL AS LEAD.
- DO NOT STACK THESE CELLS.

Battery Identification Guide

LEAD "GATES" SEALED CELL



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, 112C, PG III, ERG#154

UNITED STATES: WASTE BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, D002/D008, PG III, ERG#154

D.O.T.

DESCRIPTION: BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2800

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 23

UNITED STATES WASTE NO: D002/D008

PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- IDEALLY, CELLS SHOULD BE PLACED IN THE ORIGINAL CARTON, THEN STACKED NO MORE THAN 5 ROWS HIGH.

Battery Identification Guide

LEAD SEALED CELLS



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, 112C, PG III, ERG#154

UNITED STATES: WASTE BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, D002/D008, PG III, ERG#154

D.O.T.

DESCRIPTION: BATTERIES, WET, NON-SPILLABLE, ELECTRIC STORAGE, 8, UN2800, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2800

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 1-15

UNITED STATES WASTE NO: D002/D008

PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- USE CARDBOARD BETWEEN ROWS OF CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- CELLS MAY ALSO BE PLACED IN DRUMS, CARDBOARD BOXES OR WOODEN CRATES AND MUST BE SECURED TO A PALLET USING PLASTIC "SHRINK WRAP".

Battery Identification Guide

LEAD ACID "SUBMARINE" OR "07" TANK CELLS



NO MANIFEST REQUIRED IN ONTAIRO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, 112C, PG III, ERG#154

UNITED STATES: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, D002/D008, PG III, ERG#154

D.O.T.:

DESCRIPTION: BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2794

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX WEIGHT (LBS.): 1500

UNITED STATES WASTE NO: D002/D008

PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- MUST SECURE WELL TO PALLET (TOP HEAVY, NARROW BOTTOM).
- WELL ADVISED TO USE BLOCKING TO PREVENT ANY MOVEMENT DURING TRANSPORT. METAL OR PLASTIC BANDING IS MORE EFFECTIVE THAN "SHRINK WRAP" IN SECURING CELL TO PALLET.
- USE ONE PALLET PER CELL. CELLS ARE TOP HEAVY.
- EXTREME CARE MUST BE TAKEN WHEN LOADING OR UNLOADING.

Battery Identification Guide

LEAD ACID MONOBLOCK CELL



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, 112C, PG II, ERG#154

UNITED STATES: WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, D002/D008, PG III, ERG#154

D.O.T.

DESCRIPTION: BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, UN2794, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2794

CANADIAN WASTE CODE: 112C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 400

UNITED STATES WASTE NO: D002/D008

PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- USE CARDBOARD BETWEEN ROWS OF CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- DO NOT STACK THESE CELLS.

Battery Identification Guide

ALKALINE SEALED CELL (FLASHLIGHT, ETC.)



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: NON-HAZARDOUS WASTE BATTERIES (ALKALINE SEALED CELL)

UNITED STATES: NON-HAZARDOUS WASTE BATTERIES (ALKALINE SEALED CELL)

SHIPPED ON A BILL OF LADING.

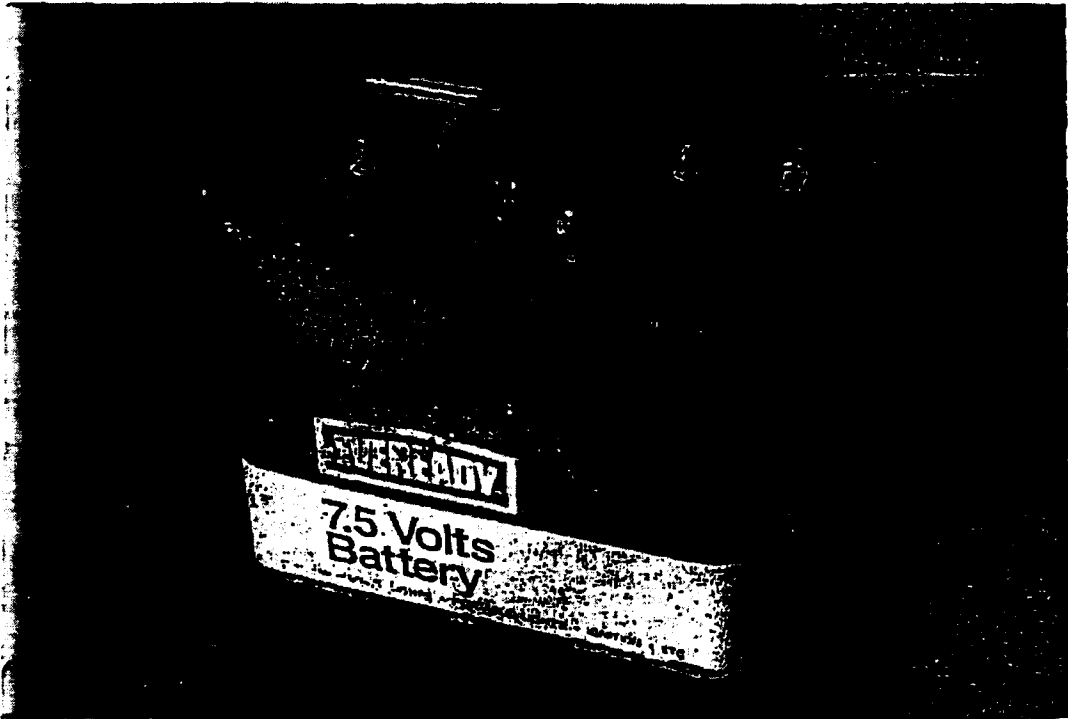
APPROXIMATE WEIGHT (LBS.): < 1

PACKAGING & LABELLING INSTRUCTIONS:

- DRUMS, CARDBOARD BOXES AND WOODEN CRATES SECURED TO A PALLET WITH PLASTIC "SHRINK WRAP" ARE IDEAL FOR SHIPPING THIS TYPE OF BATTERY.
- DRUMS MUST NOT BE STACKED.
- DO NOT PACK, STORE OR SHIP USED BATTERIES IN TIGHTLY SEALED CONTAINERS. THE SLOW EVOLUTION OF HYDROGEN GAS FROM USED BATTERIES MAY PRODUCE CONTAINER OVER-PRESSURE OR EXPLOSIVE CONDITIONS.

Battery Identification Guide

ZINC CHLORIDE, ZINC CARBON LANTERN BATTERY



NO MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: NON-HAZARDOUS WASTE BATTERIES (ZINC CHLORIDE, ZINC CARBON BATTERY)

UNITED STATES: NON-HAZARDOUS WASTE BATTERIES (ZINC CHLORIDE, ZINC CARBON BATTERY)

SHIPPED ON A BILL OF LADING.

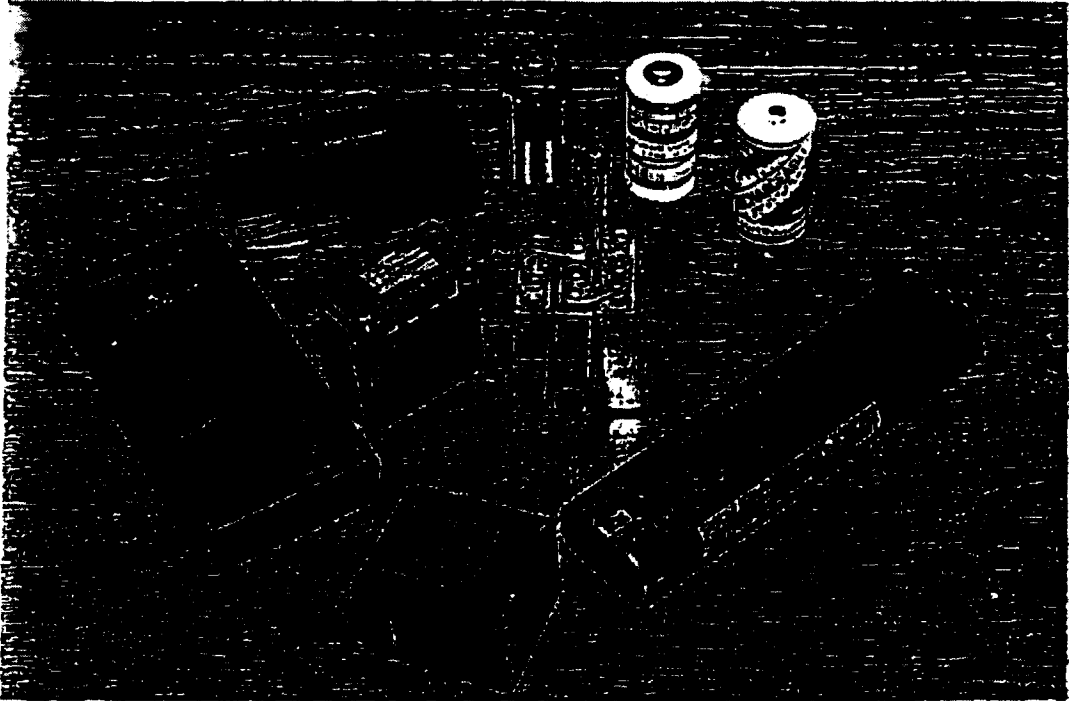
APPROX. WEIGHT (LBS.): 3

PACKAGING & LABELLING INSTRUCTIONS:

- DRUMS, CARDBOARD BOXES AND WOODEN CRATES SECURED TO A PALLET WITH PLASTIC "SHRINK WRAP" ARE IDEAL FOR SHIPPING THIS TYPE OF BATTERY.
- DRUMS MUST NOT BE STACKED.
- DO NOT PACK, STORE OR SHIP USED BATTERIES IN TIGHTLY SEALED CONTAINERS. THE SLOW EVOLUTION OF HYDROGEN GAS FROM USED BATTERIES MAY PRODUCE CONTAINER OVER-PRESSURE OR EXPLOSIVE CONDITIONS.

Battery Identification Guide

NICKEL CADMIUM SEALED CELL RECHARGEABLE



MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: R.Q. WASTE BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE, SOLID, ELECTRIC STORAGE, 8, UN3028, 121C, PG III, ERG#154 (NICKEL CADMIUM)

UNITED STATES: R.Q. WASTE BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE, SOLID, ELECTRIC STORAGE, 8, UN3028, D002/D006, PG III, ERG#154 (NICKEL CADMIUM)

D.O.T. DESCRIPTION: BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE, SOLID, ELECTRIC STORAGE, UN3028, PG III, ERG#154

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN3028

CANADIAN WASTE CODE: 121C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): <1

UNITED STATES WASTE NO: D002/D006

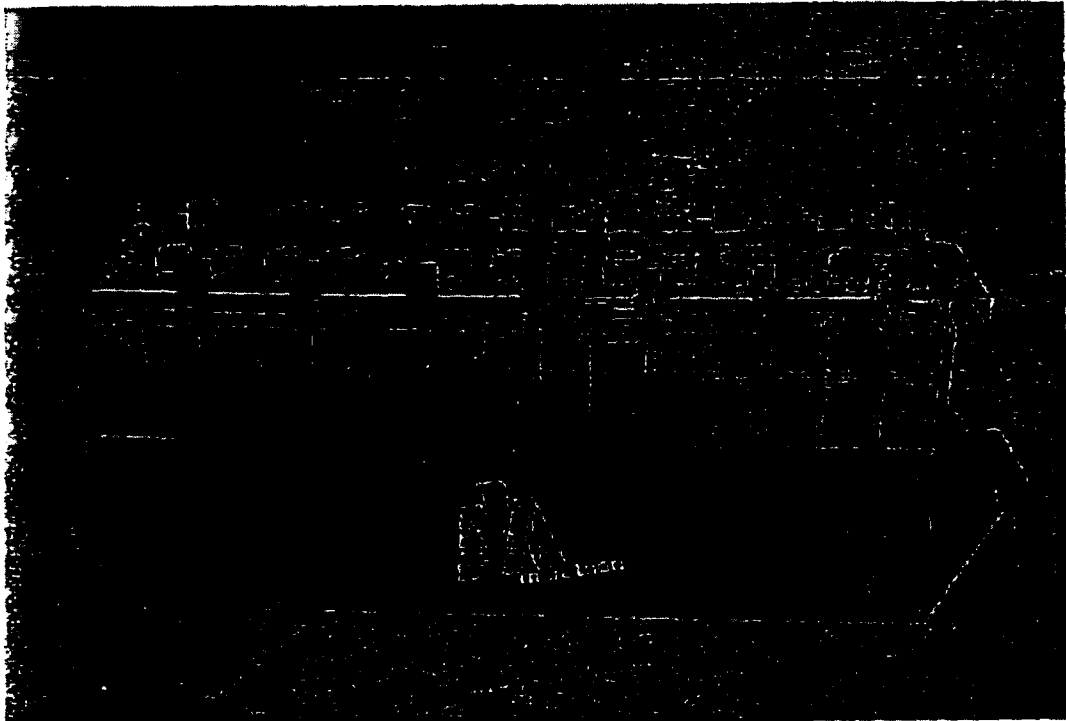
PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- HAZARDOUS WASTE LABEL OR UNIVERSAL WASTE LABEL IS REQUIRED ON EACH PACKAGE FOR TRANSPORT IN THE U.S.A.
- DRUMS, CARDBOARD BOXES AND WOODEN CRATES SECURED TO A PALLET WITH PLASTIC "SHRINK WRAP" ARE IDEAL FOR SHIPPING THIS TYPE OF BATTERY.
- DRUMS OR CRATES MUST NOT BE STACKED.

Battery Identification Guide

NICKEL CADMIUM VENTED CELL



MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: R.Q. WASTE BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, 121C, PG III, ERG#154 (NICKEL CADMIUM)

UNITED STATES: R.Q. WASTE BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, D002/D006, PG III, ERG#154 (NICKEL CADMIUM)

D.O.T. DESCRIPTION: BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, PG III, ERG#154 (NICKEL CADMIUM)

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2795

CANADIAN WASTE CODE: 121C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 2-70

UNITED STATES WASTE NO: D002/D006

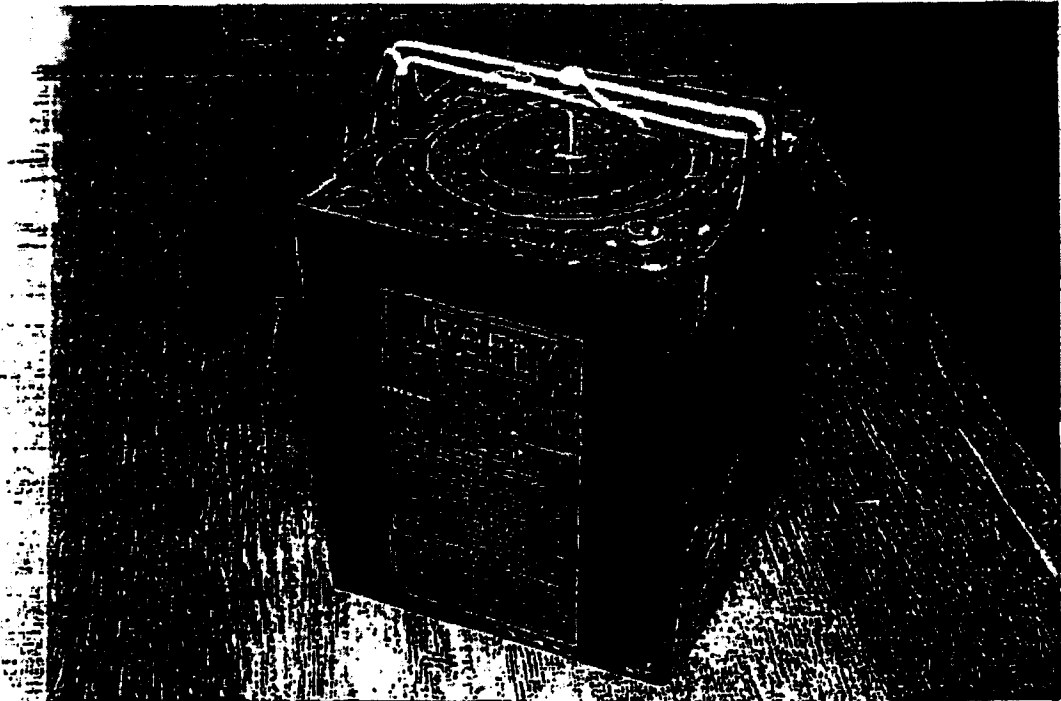
PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- HAZARDOUS WASTE LABEL OR UNIVERSAL WASTE LABEL IS REQUIRED ON EACH PACKAGE FOR TRANSPORT IN THE U.S.A.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET. USE CARDBOARD BETWEEN ROWS OF CELLS ON PALLET TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- DO NOT STACK THESE CELLS MORE THAN THREE ROWS HIGH.

Battery Identification Guide

AIR DEPOLARIZED ZINC (NON-TOXIC)



MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: R.Q. WASTE BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, 121C, PG III, ERG#154 (AIR DEPOLARIZED ZINC, NON-TOXIC)

UNITED STATES: R.Q. WASTE BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, D002, PG III, ERG#154 (AIR DEPOLARIZED ZINC, NON-TOXIC)

D.O.T. DESCRIPTION: BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, PG III, ERG#154 (AIR DEPOLARIZED ZINC - NON TOXIC)

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN2795

CANADIAN WASTE CODE: 121C

CLASSIFICATION: 8

APPROX. WEIGHT (LBS.): 35

UNITED STATES WASTE NO: D002

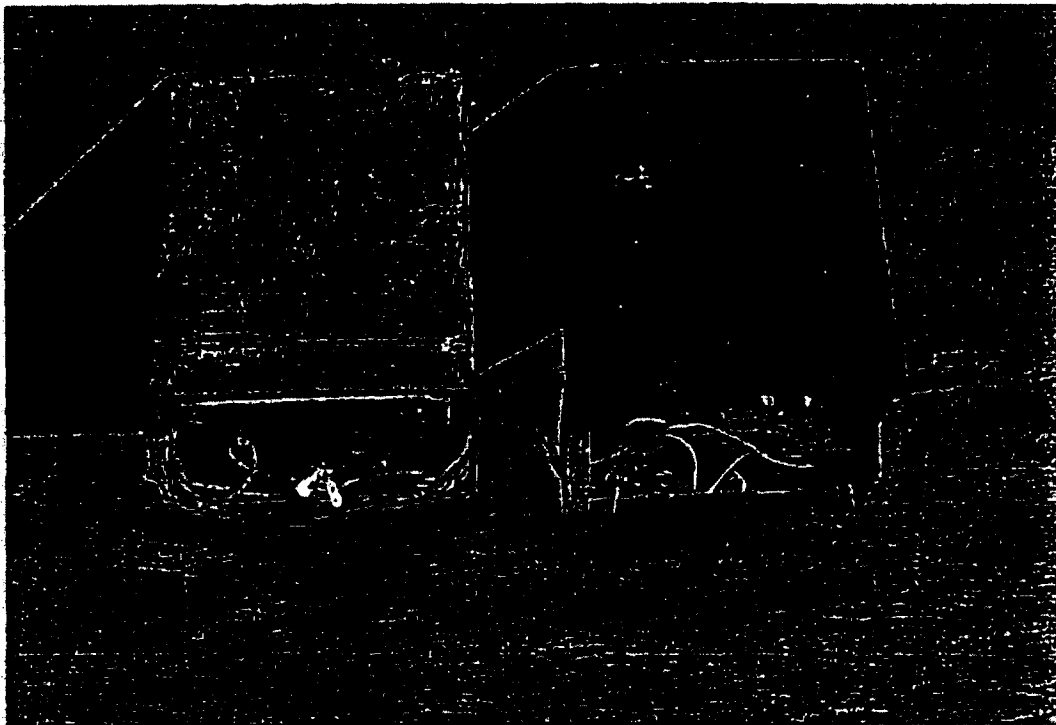
PACKING GROUP: III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- HAZARDOUS WASTE LABEL OR UNIVERSAL WASTE LABEL IS REQUIRED ON EACH PACKAGE FOR TRANSPORT IN THE U.S.A.
- PALLETIZE FOR SHIPMENT USING PLASTIC "SHRINK WRAP" TO SECURE CELLS ON PALLET.
- USE CARDBOARD BETWEEN ROWS OF CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS.
- DO NOT STACK CELLS MORE THAN THREE ROWS HIGH. BATTERY IDENTIFICATION: GREEN TOP

Battery Identification Guide

AIR DEPOLARIZED ZINC (TOXIC WITH MERCURY)



MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: R.O. WASTE BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, 121C, PG III, ERG#154 (AIR DEPOLARIZED ZINC - TOXIC)

UNITED STATES: R.O. WASTE BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, D002/D009, PG III, ERG#154 (AIR DEPOLARIZED ZINC - TOXIC)

D.O.T. BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, UN2795, PG III, ERG#154 (AIR DEPOLARIZED ZINC - TOXIC)

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE

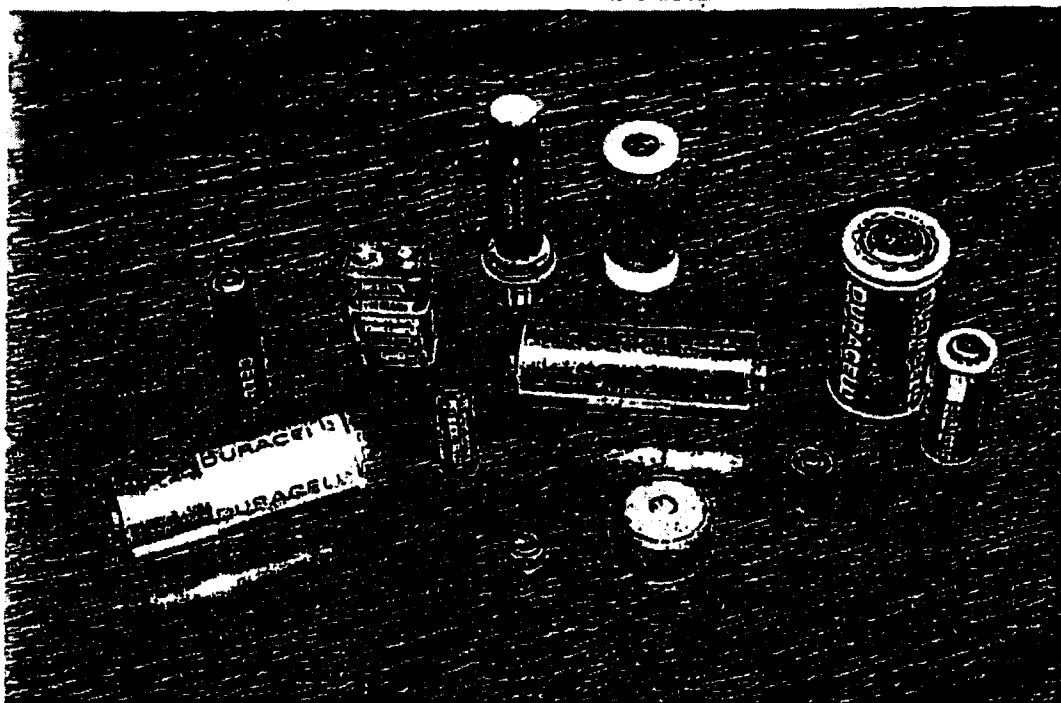
PLM: UN2795
CANADIAN WASTE CODE: 121C
CLASSIFICATION: 8
D002/D009
III

PACKAGING & LABELLING INSTRUCTIONS:

- CORROSIVE PLACARDS REQUIRED.
- TWO CORROSIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE FOR HAZARDOUS WASTE LABEL OR UNIVERSAL WASTE LABEL IS REQUIRED ON EACH PACKAGE FOR TRANSPORT IN THE U.S.A.
- PALLETIZE FOR SHIPMENT USING PLASTIC SHRINK WRAP TO SECURE CELLS ON PALLET. USE CARDBOARD BETWEEN ROWS OF CELLS TO ACT AS BOTH SHOCK ABSORBER AND TO ABSORB LIQUID WHICH MAY LEAK FROM CELLS. DO NOT STACK CELLS MORE THAN THREE ROWS HIGH.
- BATTERY IDENTIFICATION: GREY POLYPROPYLENE CASE OR BLACK EBONITE CASE WITH BLACK

Battery Identification Guide

MERCURY OXIDE SEALED CELLS



MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

- CANADIAN:** R.Q. WASTE MERCURY CONTAINED IN MANUFACTURED ARTICLE, 8, UN2809, 121C, PG I, ERG#172 (MERCURIC OXIDE CELLS).
- UNITED STATES:** R.Q. WASTE MERCURY CONTAINED IN MANUFACTURED ARTICLE, 8, UN2809, D002/D009, PG I, ERG#172, (MERCURIC OXIDE CELLS).
- D.O.T. DESCRIPTION:** MERCURY CONTAINED IN MANUFACTURED ARTICLE, 8, UN2809, PG I, ERG#172 (MERCURIC OXIDE CELLS)

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

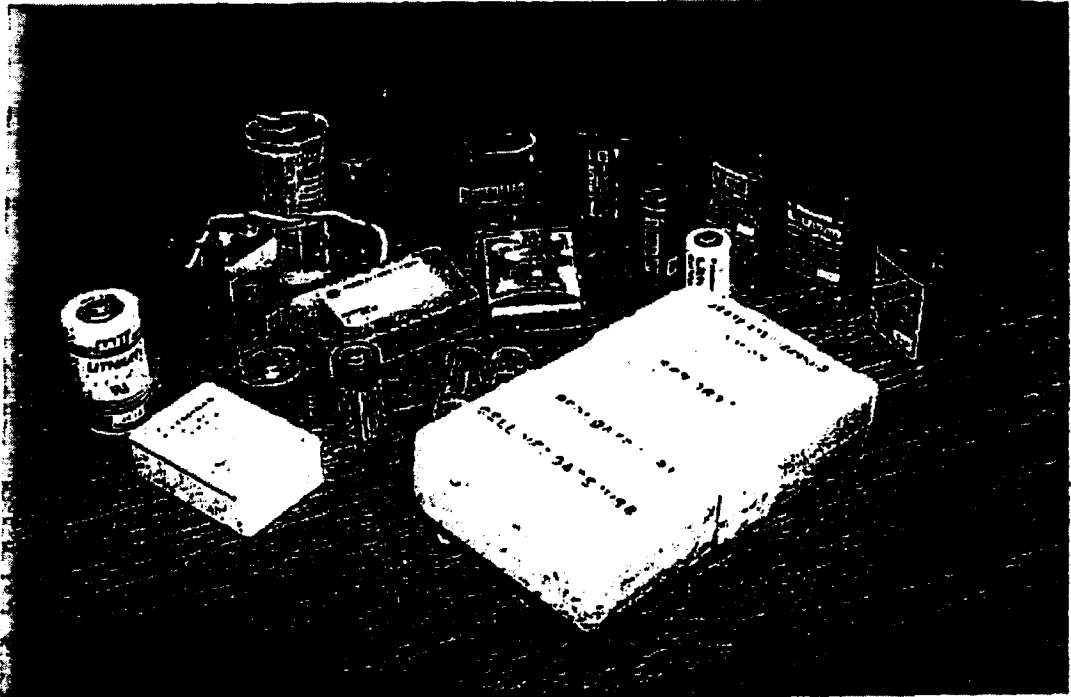
P.I.N.: UN2809 **CANADIAN WASTE CODE:** 121C **CLASSIFICATION:** 8
APPROX. WEIGHT (LBS.): <1 **UNITED STATES WASTE NO:** D002/D009 **PACKING GROUP:** I

PACKAGING & LABELLING INSTRUCTIONS:

- **POISONOUS PLACARDS REQUIRED.** TWO POISONOUS LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE. HAZARDOUS WASTE LABEL OR UNIVERSAL WASTE LABEL IS REQUIRED ON EACH PACKAGE FOR TRANSPORT IN THE U.S.A.
- **DRUMS, CARDBOARD BOXES AND WOODEN CRATES SECURED TO A PALLET WITH PLASTIC "SHRINK WRAP" ARE IDEAL FOR SHIPPING THIS TYPE OF BATTERY.** DO NOT PACKAGE, STORE OR SHIP USED BATTERIES IN TIGHTLY SEALED CONTAINERS. THE SLOW EVOLUTION OF HYDROGEN GAS FROM USED BATTERIES MAY PRODUCE OVER-PRESSURE OR EXPLOSIVE CONDITIONS. STORE IN A DRY PLACE. DO NOT RECHARGE. DO NOT STORE UNPACKAGED CELLS TOGETHER WHERE CONTACTS CAN TOUCH. THIS SITUATION COULD RESULT IN CELL SHORTING AND HEAT BUILD UP.

Battery Identification Guide

LITHIUM CELLS and BATTERIES



MANIFEST REQUIRED IN ONTARIO - SHIPPED ON BILL OF LADING

PROPER SHIPPING NAME DESCRIPTION:

CANADIAN: R.Q. WASTE LITHIUM BATTERIES, 9.1, UN3090, 121R, PG II, ERG#138

UNITED STATES: R.Q. WASTE LITHIUM BATTERIES, 9.1, UN3090, D003, PG II, ERG#138

D.O.T. DESCRIPTION: LITHIUM BATTERIES, 9.1, UN3090, PG II, ERG#138

UNIVERSAL WASTE RULE 273: STATES THAT HAVE ADOPTED RULE 273 CAN SHIP USING A BILL OF LADING, REPLACING THE HAZARDOUS WASTE MANIFEST. THE SHIPPING DOCUMENT MUST CONTAIN THE PROPER D.O.T. SHIPPING NAME. SEE APPENDIX A FOR A SUMMARY OF UWR.

P.I.N.: UN3090

CANADIAN WASTE CODE: 121R

CLASSIFICATION: 9.1

APPROX. WEIGHT (LBS.): <1-20

UNITED STATES WASTE NO: D003

PACKING GROUP: II

PACKAGING & LABELLING INSTRUCTIONS:

- REACTIVE PLACARDS REQUIRED.
- TWO REACTIVE LABELS ARE REQUIRED. ONE EACH ON OPPOSITE ENDS OF THE PACKAGE.
- HAZARDOUS WASTE LABEL OR UNIVERSAL WASTE LABEL IS REQUIRED ON EACH PACKAGE FOR TRANSPORT IN THE U.S.A.
- DRUMS, CARDBOARD BOXES AND WOODEN CRATES SECURED TO A PALLET WITH PLASTIC "SHRINK WRAP" ARE IDEAL FOR SHIPPING THIS TYPE OF BATTERY.
- DRUMS AND CRATES MUST NOT BE STACKED.

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