

TO: TRANSPORTATION BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20005

091902-1

Rev.1

Natural Uranium Dioxide Shipment  
Vessel "NYK SPRINGTIDE" V. 98  
ETA Seattle: September 25, 2002

- 72 Drums on pallets ( 64 drums plus 8 empty drums)  
12 pallets with 6 drums each
- Type of Package: Strong Industrial packaging (Type 1)  
Steel pails inside of steel drums on pallets
- Transport Index per drum: 0.2
- Average Radioactivity per drum: 1.7 GBq. (0.05 Ci)
- Total Gross Weight: 14,386.9 Kg
- Total Net Weight of UO<sub>2</sub>: 4,719.4 Kg
- Total Uranium Weight: 4,116.9 Kg
- Total U-235 Weight: 28.8 Kg
- Shipped from: Cameco Corporation  
Port Hope Conversion Facility  
One Eldorado Place  
Port Hope, Ontario, Canada  
L1A 3A1  
Contact: Mr. Jake Vandermeer  
Materials Handling Coordinator  
Phone: (905) 885-4511, ext. 2379
- Carrier: L.F.I. Laurentide Forwarders Inc.  
100 Alexis Nihon Blvd., Suite 204  
Ville St. Laurent, Que.  
Contact: Ms. Dagmar Hamm  
TEL: (514) 748-5158  
FAX: (514) 744-2737

**Schedule of dates of Departure/Arrival:**

- |   |                    |
|---|--------------------|
| 1. From Canadian Point of Origin<br>Port Hope, Ontario    | September 18, 2002 |
| 2. Arrival at Canada-U.S. Border<br>(Port Huron/Michigan) | September 18, 2002 |
| 3. From Border  | September 18, 2002 |
| 4. Arrival at Oakland Port                                | September 24, 2002 |
| 5. ETD SEATTLE  | September 25, 2002 |
| 6. ETA Tokyo Japan  | October 5, 2002    |

SISP Review Complete

NMSS04Public

**REVISED**

**MARUBENI CANADA LTD.**  
 330 Bay Street  
 Toronto, Ontario M5H 2B5

091902-1

Rev. 1

**A VITAL LINK IN WORLD TRADE**

DATE: September 17, 2002

TO: Union Transport Co.  
 ATTN: Ms. Veronica Clancy

TEL: (908) 820-8700

FAX: (808) 820-8774

FROM: Yumiko Igarashi/Energy Dept.

TEL: (416) 398-1171

FAX: (416) 947-8598

SUBJECT: NFI USE SHIPMENT IN DECEMBER 2001

BOOKING NO: CHIF2014

ESTO SEATTLE: SEPTEMBER 25/02 PER "NYK SPRINGTIDE V. 98"

# OF PAGES:

14

8 = 9 pages.

Dear Veronica,

I would appreciate it if you could fax the revised attached information to NRC on our behalf. The voyage number of the vessel was corrected.

NRC numbers are: TEL: (301) 415-8524

FAX: (301) 415-8555

I also attached for of revised Information sheet (1 Page), revised Shipper's Certification (4 pages) and Shipping memo for the above NFI shipment in September 2002. These were revised to correct the voyage number of the vessel as well.

Should you have any questions, please let me know.

Thank you for your continuous cooperation.

Best regards,

  
 Yumiko Igarashi  
 Marubeni Canada Ltd.





Service  
1000 Lakeshore Place  
Port Hope, ON Canada L1A 3A1  
(905) 925-3811  
(905) 925-4858

# Shipping memo

54550

DATE: September 18, 2002

F.O.B. Port Hope

SHIP TO:

Industrial Fuel Industries, Ltd.  
Tokai-Mura, Tokai-Mura,  
Mitsubishi Heavy Industries, Japan  
Tokai-Mura Corporation, Tokyo Japan  
Mr. S. Ohashi (282-3354), Nuclear Fuel Section - II (B673)

CUSTOMER ORDER No.	REMARKS
	Booking No. CHIF2014
OUR ORDER No.	SHIPPED VIA
	NYK Line SPRINGTIDE V.98
MARKS	DESCRIPTION

192 pails of natural uranium dioxide powder,  
plus 8 empty drums containing 0 empty pails.

Marubeni Number	Lot No.	No. of Drums	kg UO <sub>2</sub>	kg U	kg U-235
GC1670	100468 EMPTY	41 1	3,022.8 0.0	2,636.9 0.0	18.4
GC1671	100470 EMPTY	17 1	1,280.9 0.0	1,099.9 0.0	7.7
GC1672	100469 EMPTY	8 6	435.7 0.0	380.1 0.0	2.7
TOTAL		72	4,719.4	4,116.9	28.8

CNSC #42071, 42072, 42073

SHIPPING METHOD: On bill of lading without  
intermediate receipt

PREPAY and CHARGE ☐

PREPAID ☐

COLLECT ☒

NOTE: Discrepancies should be reported immediately to:  
Traffic Department, Cameco Corporation  
One Lakeshore Place, Port Hope, ON  
L1A 3A1  
(905) 925-3811

*Linda Goodwin*  
Linda Goodwin SHIPPER



- SEP-17-2002 16:47



Cameco Corporation  
Fuel Services Division

One Edwards Place, Port Hope, ON Canada L1A 3A1  
Tel: (905) 885-4511 Fax: (905) 885-4550

**SHIPPER'S CERTIFICATION**

1. **Radioactive material,**  
low specific activity (LSA-I).
2. **Class 7; UN 2912; Schedule 5; LSA-I**
3. **Natural Uranium Dioxide (powder)**
4. **68.6 GBq; (1.9 Ci) sea container (maximum)**  
**2.0 GBq; (0.05 Ci) per drum (maximum)**
5. **Category III - Yellow Label (container)**  
**Category II - Yellow Label (drum)**
6. **10.0 per sea container (maximum)**  
**0.2 per drum (maximum)**
7. **Steel drums containing pallets: TYPE: IP-1**
8. **41 drums**  
**11,142.7 kilograms gross**  
**3,022.8 kilograms UO<sub>2</sub>**  
**2,636.9 kilograms of uranium**
9. **6.5 µS/hr maximum (sea container)**  
**1.0 µS/hr maximum (drum)**
- 10.0 **4.0 µS/hr maximum (sea container)**  
**2.0 µSv/hr maximum (drum)**

I hereby certify that the contents of this consignment are fully and accurately described above by the proper shipping name, hazard class, hazard label, hazard placard, hazard packaging, marked and labelled and are in all respects in proper condition for transport in accordance with applicable international and national government regulations.

CAMECO CORPORATION

Signed:

Date:

24 HOURS TOLL FREE NUMBER (905) 885-4511

EDU 323535.6  
SPRINGIDE V98

Port Hope Conversion Facility

Registered to ISO 14001 Environmental Management System



Cameco Corporation  
Fuel Services Division

2000 Riverside Place, Port Hope, ON Canada L1A 3A1  
Tel: (905) 885-4511 Fax: (905) 885-4868

**SHIPPER'S CERTIFICATION**

1. **Radioactive material,**  
**low specific activity (LSA-I).**
2. **Class 7: UN 2912; Schedule S; LSA-I**
3. **Natural Uranium Dioxide (powder)**
4. **38.5 GBq; (1.0 Ci) sea container (maximum)**  
**2.0 GBq; (0.05 Ci) per drum (maximum)**
5. **Category III - Yellow Label (container)**  
**Category II - Yellow Label (drum)**
6. **10.0 per sea container (maximum)**  
**0.2 per drum (maximum)**
7. **Steel drums containing pallets: TYPE: IP-1**
8. **23 drums**  
**4,568.2 kilograms gross**  
**1,696.6 kilograms UO<sub>2</sub>**  
**1,480.0 kilograms of uranium**
9. **11.2 µS/hr maximum (sea container)**  
**3.0 µS/hr maximum (drum)**
10. **2.0 µS/hr maximum (sea container)**  
**2.0 mSv/hr maximum (drum)**

I hereby certify that the contents of this consignment are fully and accurately described above by the proper shipping name, hazard class, hazard label, packaged, marked and labelled and are in all respects in proper condition for transport in accordance with applicable international and national government regulations.

CAMECO CORPORATION

Signature: [Signature] Date: Sept. 16, 2002

24 HOUR TOLL FREE NUMBER (905) 885-4511

CON: 298655 3  
VIR: SPRINGTIDE V.98

Port Hope Conversion Facility

Registered to ISO 14001 Environmental Management System



Cameco Corporation  
Fuel Services Division

One Eldorado Place, Port Hope, ON Canada L1A 3A1  
Tel: (905) 885-4511 Fax: (905) 885-4950

**SHIPPER'S CERTIFICATION**

1. **Shipping Name:** Radioactive material,  
Excepted package - empty packaging
2. **Classification:** Class 7; UN 2908; Schedule 4;
3. **Quantity:** Empty drums
4. **Activity:** Under  $4.0 \times 10^3$  Bq/cm<sup>2</sup>
5. **Content:** N/A
6. **Transport Index:** N/A
7. **Type of Package:** Steel drums: TYPE: IP-1
8. **Quantity:** 7 drums at 115.0 kilograms gross each
9. **Drum Numbers:** T-0833, T-0901, T-0357, T-0099,  
T-0313, T-0249, T-3156
10. **Other:** N/A

I hereby certify that the contents of this consignment are fully and accurately described above by the proper shipping name, classification, excepted package, marked and labelled and are in all respects in proper condition for transport in accordance with the applicable international and national government regulations.

CAMECO CORPORATION

Signed: [Signature]

Date: Sept. 9, 2001

24 HOURS TOLL FREE NUMBER (905) 885-4511  
CONTAINER NUMBER: TLU 298655 3  
VESSEL: NYK SPRINGTIDE V. 98

Port Hope Conversion Facility

Registered to ISO 14001 Environmental Management System



Cameco Corporation  
Fuel Services Division

One Edwards Place, Port Hope, ON Canada L1A 3A1  
Tel: (905) 886-4511 Fax: (905) 886-4358

## INFORMATION SHEET FOR NEI UO<sub>2</sub> SHIPMENT

Vessel:	NYK SPRINGTIDE V.98
ETD:	September 25, 2002 - Seattle Port
Net Weight:	4,719.4 kilograms
Contents:	4,116.9 kilograms of uranium
Weight of U <sub>2</sub> O <sub>8</sub> :	28.8 kilograms
Number of Drums:	64 drums containing 192 pails with UO <sub>2</sub> and 8 empty drums.
Number of Pails:	12
Export Reference:	13046 - TEPCO (3,022.8 kg UO <sub>2</sub> - 2,636.9 kg U) 13047 - Chugoku (1,260.9 kg UO <sub>2</sub> - 1,099.9 kg U) 13048 - Chubu (435.7 kg UO <sub>2</sub> - 380.1 kg U)
Packaging:	Steel drums - Industrial Package Type-I
Total Gross Weight (including UO <sub>2</sub> , pails, drums and pallets)	14,386.9 kg
Activity of UO <sub>2</sub> (GBq):	68.6 GBq. (1.9 Ci)
Activity of U (GBq):	38.5 GBq. (1.0 Ci)
Transport Index (TI) 6:	10.0
Transport Index (TI) 3:	10.0
No. of drums (TI 6):	42
No. of drums (TI 3):	30

Port Hope Conversion Facility

Registered to ISO 14001 Environmental Management System

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MARLBENI CANADA LTD.

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