NRC FORM 7 (8-2007) 10 CFR 110 — U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL

(See Instructions on Page 5)

APPROVED BY OMB: NO. 3150-0027 EXPIRES: 06/30/2009

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

Rec'd

PART A. FOR NRC USE ONLY	☑ PUBLIC OR ☐ NON-PUBLIC	DATE RECEIVED: AUG 31 2010 JC
LICENSE NUMBER: IW028	DOCKET NUMBER: 11005875	ADAMS ACCESSION NUMBER: ML102140103

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR NOTIFICATIONS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

1. NAME AND ADDRESS OF APPLICANT/LICENSEE

Oregon Specialty Metals
2138 State Rt 18
Wampum, PA 16157

1a. NAME OF APPLICANT'S CONTACT: **Robert W Sharkey**

1b. APPLICANT'S REFERENCE NUMBER: **IMP-2010-1**

1c. PHONE NUMBER: **(860) 651-1883**

1d. FAX NUMBER: **(860) 735-6038**

1e. E-MAIL ADDRESS: **rwsharkey@comcast.net**

2. TYPE OF ACTION REQUESTED *(Check One)*

☐ EXPORT (Parts B, C, E) ☐ NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C, E) ☑ IMPORT (Parts B, D, E) ☐ COMBINED EXPORT/IMPORT (Parts B, C, D, E) ☐ AMENDMENT/RENEWAL Existing License Number: _____

3. CONTRACT NUMBER(S)	4. FIRST SHIPMENT DATE	5. LAST SHIPMENT DATE	6. PROPOSED EXPIRATION DATE
	09/01/2010	06/01/2015	06/01/2015

PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED	8a. INTERMEDIATE USE(S)	9a. ULTIMATE END USE(S)

10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	10b. MAX ENRICHMENT OR WGT %	10c. MAX ISOTOPE WGT (KG)

11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

Rec'd AUG 31 2010 JC

NRC FORM 7
(8-2007)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	
IW028	11005875	ML102140103	☑ PUBLIC OR ☐ NON-PUBLIC

PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S)
Mississauga Metals and Alloys Inc. 71 Middleton Street Brantford, Ontario N3S 7X1	**Alaron Corporation 2138 State Route 18 Wampum, PA 16157-9320**	**Energy Solutions, LLC 423 West 300 South Salt Lake City, UT 84101**
12a. NRC EXPORT LICENSE NUMBER(S) *(if applicable)*	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S) **PA-0678/31December2008 Timely renewal**	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S) **UT 2300249 January 25, 2013**
	13b. INTERMEDIATE USE(S) **Preparation for disposal**	14b. ULTIMATE END USE(S) **Disposal**

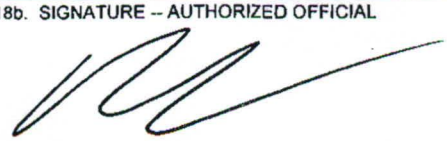
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)
Mixed metals, filter cake, spent metal shot, trash and protective clothing. All radioactive material is from US origen and identified in Enclosure I.	**58.575kg**	**5.1%**	**2.613kg**

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)
USA 100%

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS?	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED?
☑ YES ☐ NO	☑ YES ☐ NO

18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title10, Code of Federal Regulations, and that all information provided is correct to th e best of my knowledge.

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL	18b. SIGNATURE -- AUTHORIZED OFFICIAL	18c. DATE
David Sharpe President Oregon Specialty Metals Inc		**08/30/2010**

Recd
AUG 31 2010
JC

NRC FORM 7
(8-2007)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	
IW028	11005875	ML102140103	☑ PUBLIC OR ☐ NON-PUBLIC

ADDITIONAL INFORMATION *(Reference applicable block numbers from page 1 and/or page 2 for each entry)*

See Enclosure I

Rec'd
AUG 31 2010
JC

AUG 31 2010

July 19, 2010

Deputy Director Office of International Programs
US Nuclear Regulatory Commission
Washington DC 20555-0001

Subject: Application for NRC Import License

Enclosures (I) Background and detailed description of material for import
Attachments: (1) NRC Form 7 APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL
(2) Check to the US Nuclear Regulatory Commission for $9,800

Dear Deputy Director:

In 1998 Mississauga Metals and Alloys Inc. (MM&A), a Canadian Company located in Brantford Ontario, began importing for recycling, metals slightly contaminated with Special Nuclear Material (SNM) as low enriched uranium from the US nuclear fuel fabrication facilities. Between the years 1998 and 2006 the US facilities exported 753,849 kg of metals containing 125,299 grams of uranium with 5,566 grams of uranium-235 to the MM&A facility in Brampton, Canada.

Oregon Specialty Metals Inc., a US Corporation is requesting an import license to ship some of the original unprocessed metals and the secondary waste generated from the processing of US exported metal back to the US for management and disposal. This same material or similar has previously been approved for import under the Westinghouse Electric Company LLC Import license and authorizations.

Enclosure I provides additional detail to support the license application. Attachment 1 is a completed NRC Form 7, APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL.

Enclosed is a check for $9,800 consistent with 10 CFR 170.21 for a category K. 2 license.

Please contact me or Bill Sharkey at 860-651-1883 or Robertsharkey@mm-a.com if you have any questions or require further information.

Sincerely,

David Sharpe

President

Oregon Specialty Metals Inc.

IW028

Rec'd
JUL 27 2010
JC

ENCLOSURE I

US IMPORTS AND EXPORTS FROM/TO MISSISSAUGA METALS AND ALLOYS INC.

In 1998 Mississauga Metals and Alloys Inc. (MM&A), a Canadian Company located in Brantford Ontario, began importing for recycling, metals slightly contaminated with Special Nuclear Material (SNM) as low enriched uranium from the US nuclear fuel fabrication facilities. Between the years 1998 and 2006 the US facilities exported 753,849 kg of metals containing 125,299 grams of uranium with 5,566 grams of uranium-235 to the MM&A facility in Brampton, Ontario, Canada.

MM&A is exiting the decontamination business in its Canadian facility and wishes to return to the US some of the original metals and all of the secondary waste derived from the processing of the US facility material.

The tables below provide the summary and detail of all the US origin metals that were shipped to MM&A from the US fuel facilities and any material that was subsequently returned to the US fuel facilities to date. The purpose of providing this information is to show the mass balance which is the basis for the quantities of waste requested to be returned in the import license.

Table 1 Summary of Exports from US Companies to Mississauga Metals and Alloys Inc. ..... - 2 -
Table 2 Summary of Imports to US Companies from Mississauga Metals and Alloys Inc. ..... - 2 -
Table 3 Westinghouse Electric Company – Columbia SC ..... - 3 -
Table 4 Westinghouse Electric Company – Hematite, MO ..... - 3 -
Table 5 Areva – Lynchburg VA ..... - 4 -
Table 6 Areva – Richland WA ..... - 4 -
Table 7 Mississauga Metals and Alloys to Westinghouse Hematite ..... - 5 -

IW028

Rec'd
JUL 27 2010
JC

Table 1 Summary of Exports from US Companies to Mississauga Metals and Alloys Inc.

Company	NRC Export License	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
Areva - Richland	XW-007	27,440	935	Mixed metals	96,469
Areva – Lynchburg	XW-007	1,259	31	Zirconium Metals	84,794
Westinghouse - Hematite	XW-003	71,614	3,542	Mixed Metals and waste	474,084
Westinghouse - Columbia	XW-003	24,986	1,058	Mixed Metals and waste	98,502
	TOTAL	**125,299**	**5,566**	**TOTAL**	**753,849**

Table 2 Summary of Imports to US Companies from Mississauga Metals and Alloys Inc.

Company	Import License	Uranium (g)	^{235}U (g)	Material Description	Total Mass (kg)
Westinghouse - Hematite	Exemption	65,585	2,903	Mixed Metals	192,501
Westinghouse - Columbia	10 CFR	1,139	50	Uranium Pellets	1.3
	TOTAL	**66,724**	**2,953**		**192,502**

Mass of uranium and uranium-235 for import

Material for Import to the US is the difference between the originally exported metals Table 1 and the material returned Table 2 to the US fuel facilities to date.

Uranium (element) for import = 125,299 g – 66,724 g = 58,575 g
^{235}U (Isotope) for import = 5,566 g – 2,953 g = 2,613 g

Mass of metal and secondary waste residues for import

The material for return to the US is comprised of spent metal shot, filtercake, non conforming material such as wood and bricks, trash and protective clothing and metals.

The approximate quantities of primary material and secondary waste for return is 186,000 kg. The final values will not be available until one of the waste streams is processed into filter cake and has been estimated based on past production values.

Metals and waste shipped from US to Canada = 753,849 kg
Material returned from Canada to US = 192,502 kg
Net material sent to Canada from US = 561, 347 kg

IW028

Rec'd
JUL 27 2010
JC

Detail of Exports from US Companies to Mississauga Metals and Alloys Inc

Table 3 Westinghouse Electric Company – Columbia SC

Transaction #	Shipping Date	Export License	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
YLM-RDBA-1	1/28/2000	XW-003	3,346	143	Zirconium tubing	16,152
YLM-RDBA-2	3/23/2000	XW-003	4,620	190	Zirconium tubing	18,479
YLM-RDBA-3	5/1/2000	XW-003	2,286	94	Mixed Metals	13,326
YLM-RDBA-4	8/1/2001	XW-003	6,194	263	Molybdenum / Zirconium Scrap	13,262
YLM-RDBA-5	7/17/2002	XW-003	2,298	99	Molybdenum / Zirconium Scrap	7,844
YLM-RDBA-6	6/4/2003	XW-003	1,087	47	Mixed Metals	6,299
YLM-RDBA-7	2/8/2006	XW-003	5,106	220	Mixed Metals	9,432
YLM-RDBA-8	4/20/2006	XW-003	49	2	Mixed Metals	13,708
		TOTAL	**24,986**	**1,058**		**98,502**

Table 4 Westinghouse Electric Company – Hematite, MO

Transaction #	Shipping Date	Export License	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
00000001	6/18/2003	XW-003	572	26	Mixed Metals	13,323
00000002	6/25/2003	XW-003	615	26	Mixed Metals	12,909
00000003	7/17/2003	XW-003	4	0	Mixed Metals	1,818
00000004	6/24/2005	XW-003	81	4	Mixed Metals	9,541
00000005	6/24/2005	XW-003	222	11	Mixed Metals	14,377
00000006	6/24/2005	XW-003	202	10	Mixed Metals	14,627
00000007	6/24/2005	XW-003	182	9	Mixed Metals	12,273
00000008	6/24/2005	XW-003	263	13	Mixed Metals	11,509
00000009	6/24/2005	XW-003	101	5	Mixed Metals	9,318
00000010	6/24/2005	XW-003	202	10	Mixed Metals	12,214
00000011	6/24/2005	XW-003	202	10	Mixed Metals	15,073
00000012	7/13/2005	XW-003	222	11	Mixed Metals	13,505
00000013	7/18/2005	XW-003	2,061	102	Mixed Metals	11,216
00000014	7/28/2009	XW-003	525	26	Mixed Metals	13,455
00000015	8/4/2005	XW-003	283	14	Mixed Metals	9,168
00000016	8/4/2005	XW-003	182	9	Mixed Metals	8,782
00000017	9/6/2005	XW-003	8,436	418	Mixed Metals	16,968
00000018	9/6/2005	XW-003	21,790	1,079	Mixed Metals	16,355
00000019	9/12/2005	XW-003	234	12	Mixed Metals	6,682
00000020	9/12/2005	XW-003	261	13	Mixed Metals	6,700
00000021	9/15/2005	XW-003	394	20	Mixed Metals	8,450
00000022	9/15/2005	XW-003	242	12	Mixed Metals	2,850
00000023	9/19/2005	XW-003	125	6	Mixed Metals	6,509
00000024	9/19/2005	XW-003	315	16	Mixed Metals	6,600
00000025	10/11/2005	XW-003	242	12	Mixed Metals	5,764
00000026	10/11/2005	XW-003	667	33	Mixed Metals	10,795
00000027	10/18/2005	XW-003	404	20	Mixed Metals	6,741
00000028	10/18/2005	XW-003	404	20	Mixed Metals	10,155
00000029	10/25/2005	XW-003	263	13	Mixed Metals	6,564
00000030	10/26/2005	XW-003	444	22	Mixed Metals	7,627
00000031	10/26/2005	XW-003	3,616	179	Mixed Metals	6,841
00000032	10/27/2005	XW-003	1,030	51	Mixed Metals	4,764
00000032	10/27/2005	XW-003	162	8	Mixed Metals	6,627

IW028

Rec'd JUL 27 2010 JC

Transaction #	Shipping Date	Export License	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
00000033	1/3/2006	XW-003	1,798	89	Mixed Metals	6,855
00000033	1/3/2006	XW-003	1253	62	Mixed Metals	7,595
00000034	1/3/2006	XW-003	909	45	Mixed Metals	6,845
00000034	1/3/2006	XW-003	3475	172	Mixed Metals	7,718
00000035	1/16/2006	XW-003	121	6	Mixed Metals	5,468
00000035	1/16/2006	XW-003	141	7	Mixed Metals	7,718
00000036	1/16/2006	XW-003	101	5	Mixed Metals	16,200
00000037	1/16/2006	XW-003	11,879	588	Mixed Metals	3,677
00000037	1/16/2006	XW-003	303	15	Mixed Metals	4,536
00000038	1/20/2006	XW-003	141	7	Mixed Metals	5,809
00000038	1/20/2006	XW-003	626	31	Mixed Metals	4,818
00000039	1/20/2006	XW-003	141	7	Mixed Metals	5,027
00000039	1/20/2006	XW-003	182	9	Mixed Metals	5,395
00000040	1/20/2006	XW-003	1737	86	Mixed Metals	9,673
00000040	1/20/2006	XW-003	1434	71	Mixed Metals	7,014
00000041	1/23/2006	XW-003	81	4	Mixed Metals	5,432
00000041	1/23/2006	XW-003	990	49	Mixed Metals	6,355
00000042	1/23/2006	XW-003	121	6	Mixed Metals	9,768
00000042	1/23/2006	XW-003	848	42	Mixed Metals	5,473
00000043	2/3/2006	XW-003	61	3	Mixed Metals	3,709
00000044	2/3/2006	XW-003	81	4	Mixed Metals	3,600
00000044	2/3/2006	XW-003	141	7	Mixed Metals	6,418
00000045	2/3/2006	XW-003	61	3	Mixed Metals	3,800
00000045	2/3/2006	XW-003	41	2	Mixed Metals	2,132
WNKU-0721699	2/3/2006	XW-003	2	0.12	Mixed Metals	2,950
		Total	**3,542**	**71,614**	**Total**	**474,084**

Table 5 Areva – Lynchburg VA

Transaction #	Shipping Date	Export License	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
YNJ-RDBA-1	11/23/1998	General	170	4	Zirconium tubes	11,102
YNJ-RDBA-2	12/8/1998	General	204	5	Zirconium tubes	13,312
YNJ-RDBA-3	1/11/1999	General	173	4	Zirconium tubes	11,283
YNJ-RDBA-4	1/12/1999	General	201	5	Zirconium tubes	13,149
YNJ-RDBA-5	1/13/1999	General	232	6	Zirconium tubes	15,139
YNJ-RDBA-6	1/15/1999	General	250	6	Zirconium tubes	16,361
YNJ-RDBA-7	1/17/1999	General	23	1	Zirconium tubes	1,479
YNJ-RDBA-8	3/18/2004	XW007	6	0	Zirconium tubes	3,517
		Total	**1,259**	**31**	**Total**	**84,794**

Table 6 Areva – Richland WA

Transaction #	Shipping Date	Export License	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
YUD-RDBA-1	3/13/2002	XW-007	3,775	136	Mixed Metals	14,483
YUD-RDBA-2	3/21/2002	XW007	4,113	148	Mixed Metals	14,596
YUD-RDBA-3	3/26/2002	XW007	3,821	129	Mixed Metals	14,851
YUD-RDBA-4	4/3/2002	XW007	3,922	124	Mixed Metals	15,039
YUD-RDBA-5	5/8/2002	XW007	5,066	156	Mixed Metals	13,862
YUD-RDBA-6	2/19/2003	XW007	2,371	85	Mixed Metals	14,384
YUD-RDBA-7	10/14/2004	XW007	92	3	Mixed Metals	4,381

IW028

Rec'd
JUL 27 2010
JC

YUD-RDBA-8	10/14/2004	XW007	3,886	140	Mixed Metals	2,436
YUD-RDBA-9	12/1/2005	XW007	394	14	Mixed Metals	2,436
		Total	**27,440**	**935**	**Total**	**96,469**

Table 7 Mississauga Metals and Alloys to Westinghouse Hematite

Transaction #	Shipping Date	Import Licence	Uranium (g)	^{235}U (g)	Material Description	Mass (kg)
00000001	2/21/2007	Exemption	444	22	Mixed Metals	5,964
00000001	2/21/2007	Exemption	1,030	51	Mixed Metals	5,023
00000002	2/21/2007	Exemption	162	8	Mixed Metals	6,645
00000002	2/21/2007	Exemption	848	42	Mixed Metals	5,655
00000003	2/21/2007	Exemption	1,253	62	Mixed Metals	7,700
00000003	2/21/2007	Exemption	626	31	Mixed Metals	5,023
00000004	3/15/2007	Exemption	1,829	89	Mixed Metals	6,941
00000004	3/15/2007	Exemption	4,171	180	Mixed Metals	7,718
00000005	3/15/2007	Exemption	146	7	Mixed Metals	5,023
00000005	3/15/2007	Exemption	4,085	176	Mixed Metals	10,164
00000006	3/20/2007	Exemption	6,470	279	Mixed Metals	7,936
00000006	3/20/2007	Exemption	316	15	Mixed Metals	4,795
00000007	3/14/2007	Exemption	5,408	233	Mixed Metals	8,464
00000007	3/14/2007	Exemption	920	45	Mixed Metals	8,800
00000008	3/15/2007	Exemption	1,766	86	Mixed Metals	6,750
00000008	3/15/2007	Exemption	6,112	263	Mixed Metals	5,368
00000009	3/15/2007	Exemption	3,542	172	Mixed Metals	7,764
00000009	3/15/2007	Exemption	3,688	159	Mixed Metals	7,501
00000010	3/15/2007	Exemption	192	9	Mixed Metals	14,636
00000010	3/15/2007	Exemption	4,354	188	Mixed Metals	3,485
00000011	3/20/2007	Exemption	255	11	Mixed Metals	9,632
00000011	3/20/2007	Exemption	5,339	230	Mixed Metals	7,974
00000012	3/15/2007	Exemption	3,683	159	Mixed Metals	8,541
00000012	3/15/2007	Exemption	5,539	239	Mixed Metals	7,350
00000013	3/20/2007	Exemption	3,407	147	Mixed Metals	17,650
		Total	**65,585**	**2,903**		**192,501**

IW028

Recd
JUL 27 2010
JC