NRC FORM 31	3	U. S. N	UCLEAR REGULAT	FORY C	ommiss	ION	APPROVED	D BY GMB: NO. 3180-012	0 EXPIRES: 7/31/1996
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	•	iheck appropriate item;)		2 NAME	AND N	AILING ADD	RESS OF APPLICANT p	nclude Zip code)
X A. NEW LICENSE B. AMENDMENT TO LICENSE NUMBER			Refer to Accompanying						
		ISE NUMBER			Supplemental Information				
3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED							4. NAME OF PERSON APPLICATION	TO BE CONTACTED ABOUT THIS	
								TELEPHONE NUMBE	ER
SUBMIT ITEMS 5 T	HROUGH 11 ON 8-1	2 X 11" PAPER. THE	TYPE AND SCOPE OF IN	FORMATI	ON TO BE	PROVIC	ED IS DESC	RIBED IN THE LICENSE	APPLICATION GUIDE
			u form, and c. meiximum ad	nount	PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.				
7. INDIVIDUAL(8 TRAINING ED	•	R RADIATION SAFET	Y PROGRAM AND THEIR		8 TRAINING FOR INDIVIDUALS WORIGIN OR FREQUENTING RESTRICTED AREAS.				
8. FACILITIES AND EQUIPMENT.				10. RADIATION SAFETY PROGRAM.					
11. WASTE MANAGEMENT.				12. LICENSEE FEES (See 10 CFR 170 and Section 170 31) AMOUNT FEE CATEGORY ENCLOSED \$					
UPON THE A	PPLICANT.	••••			ALL STAT	EMENT	S AND REPR		THIS APPLICATION ARE BINDING
CONFORMIT	Y WITH TITLE 10, CO THE BEST OF THE	DE OF FEDERAL RE	GULATIONS, PARTS 30, 3 I BELIEF.	12, 33, 34, 3	25, 38, 39 <i>A</i>	ND 40,		ALL INFORMATION CONT	S APPLICATION IS PREPARED IN AIRED HEREIN IS TRUE AND
WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OF FENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JUNISSICTION									
CERTIFYING OFFICER - TYPEOPRIMITED NAME AND TITLE Richard J. Timbo, Principal					77-2-04				
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TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECKI	RMBER	COMM	RENTS V		
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RICHARD BARRY MARKETING GROUP APPLICATION FOR EXEMPT DISTRIBUTION LICENSE

ITEM 1. THIS IS AN APPLICATION FOR

A new exempt distribution license in accordance with 10 CFR 30, §30.15 and 10 CFR 32, §32.14.

ITEM 2. NAME AND ADDRESS OF APPLICANT

Richard Barry Marketing Group 81 Ruckman Road Closter, NJ 07624-2102

ITEM 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

81 Ruckman Road Closter, NJ 07624-2102

ITEM 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

- Michael Shane Brightwell, Applicant Radiation Safety Officer, Business Phone: (631) 278-0610
- Richard J. Timbo, Applicant Certifying Official, Business Phone: (201) 750-8000

ITEM 5. RADIOACTIVE MATERIAL

A. ELEMENT AND	B. CHEMICAL OR	C. MAXIMUM
MASS NUMBER	PHYSICAL FORM	AMOUNT THAT
		WILL BE
		POSSESSED AT
		ANY ONE TIME

Hydrogen-3	Sealed Gaseous Tritium	N/A – This is covered in
(Tritium).	Light Sources (GTLS);	the possession/use
	(mb-microtec Models	license application
	X00/A, X00/B, and	
	X00/C); (123	
	Manufacturing	
	Company Models	
	Y00/A, Y00/B, and	
	Y00/C)	

ITEM 6. PURPOSES FOR WHICH RADIOACTIVE MATERIALS WILL BE USED

This license is intended to facilitate the distribution of devices listed in Item 5 to persons exempt from licensing in accordance with an Exempt Distribution License issued pursuant to §30.15 and §32.14.

Each lot of devices listed in Item 5 containing tritium for distribution pursuant to \$30.15 will be accompanied by a certificate that attests to the following:

- A. The devices have been manufactured in accordance with the International Atomic Energy Agency, International Standards Organization, OECD Nuclear Energy Agency, American National Standards Institute or equivalent; and
- B. The amount of tritium on the devices is not in excess of of the maximum permissible amount authorized in §30.15(a).

Periodic reports will be filed as specified in §32.25(c).

Attachment 1 contains components of the Quality Control Program.

ITEM 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE

Richard J. Timbo, Applicant Radiation Safety Officer (RSO) – Mr. Timbo will be qualified as the RSO as submitted in the associated radioactive materials possession/use license application.

ITEM 8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

N/A – This is covered in the possession/use license application.

ITEM 9. FACILITIES AND EQUIPMENT

N/A – This is covered in the possession/use license application.

ITEM 10. RADIATION SAFETY PROGRAM

Operational

N/A – This is covered in the possession/use license application.

General

This application refers to the radiological assessments of such timepieces performed in NUREG -1717, Section 2.3 as the bases for exemption.

ITEM 11. WASTE MANAGEMENT

N/A – This is covered in the possession/use license application.

ITEM 12. LICENSE FEES

Fee Gategory \equiv 3.I. Amount Enclosed = \$4,300

ATTACHMENT 1

Quality Control Program

The following describes components of the RBMG Quality Control (QC) Program, which is basically an adaptation of the current manufacturer's QC Program. This program includes a list of manufacturers, SSD design conformity requirements, regulatory QC requirements, and examples of manufacturer and distributor QC documentation.

I. Manufacturers

The following two manufacturers are currently authorized as SSD manufacturers on the Sealed Source Device Registration (SSDR) listed below for the same model timepieces with higher ³H activities not exempt from registration under §30.15 and §32.14.

A. Manufacturers

traser systems® mb-microtec Freiburgstrasse 624rb CH-3172 Niederwangen, Bern Switzerland Phone: 011-41-31-980-2020 Fax: 011-41-31-980-2021 Horoswiss S.A. Avenue Charles-Naine 34 2304 La Chaux-de-Fonds Switzerland Phone: 011-41-32-925-3600 Fax: 011-41-32-927-3632

B. Related SSDR

US NRC Registry No.NR 446-D-103-E US NRC License No. NR 31-23712-01E of mb-microtec (USA) Inc.

II. Design Conformity

A. mb-microtec

The design conformity requirements for timepieces manufactured by mb-microtec will meet the same requirements specified in their current QC program, including markings "3-H MBM" on each timepiece.

B. RBMG

The design conformity requirements for timepieces manufactured by Horoswiss will meet the same requirements specified in the current QC program implemented by mb-microtec, except that the markings "3-H MBM" on each timepiece will be replaced by "3-H RBMG."

III. NRC QC Program Requirements

A. Manufacturer

Each manufacturer uses the QC program implemented by mb-microtec. Included at the end of this attachment are examples of the QC testing certificates that will be generated by either manufacturer for each lot of timepieces manufactured under this program.

B. Distributor

The distributor checks design conformity as specified in 10 CFR 32 Subpart A, *Exempt Concentrations and Items*, §32.25 – <u>Conditions of licenses issued under §32.22</u>: <u>Quality control</u>, <u>labeling</u>, and reports transfer; and Subpart C, *QC Sampling Procedures*, §32.110 – <u>Acceptance</u> <u>sampling procedures under certain specific licenses</u>. Included at the end of this attachment is an example of the QC testing certificate that will be generated by the distributor for each lot of timepieces manufactured under this program.

Device Inspection

The devices will be inspected in approximately 5% of the bulk packages received prior to placing the shipment in standard storage status. The actual number of devices inspected will be commensurate with the lot testing requirements specified in the following table, which shows the minimum sample sizes required for 5% Lot Tolerance Percent Defective (5% LTPD) as specified in 10 CFR 32.110, Table 6.

Lot Size	Sample Size
1 - 30	All
31 - 50	30
51 - 100	37
101 - 200	40
201 - 300	43
301 - 400	44
401 - 2,000	45
2001 - 100,000	75

The NRC QC Program requires

- i. visual inspection, under lighted conditions, of device labeling (design conformity), and
- ii. visual inspection, under darkened conditions, of individual GTLSs in each device sample for adequate brightness (leak indication).

The random device inspection will consist of a visual inspection, in an adequately lighted space, of each individual device and packaging to assure they are intact and all inserts are present. If any device packaging does not meet the inspection criteria, the inspection frequency for the lot and/or shipment may be increased to 50% at the licensee's discretion. Identification of more than one (1) failure to this point should warrant 100% inspection of the lot and/or shipment. Any individual device packaging that does not meet these criteria should be placed in segregated storage status for further evaluation.

These activities can be performed by any properly trained individual user.

traser[®]systel

CERTIFICATE

It is certified that the watches Model 100/1 (\$ 8000) shipped to mb-microtec (USA) Inc. and invoiced per enclosure were taken from the production lot covered by the

- "Certificate of Quality Control Testing No.: 10936/1" for 200 watches
- "Certificate of Quality Control Testing No.: ------" for ----- watches
- "Certificate of Quality Control Testing No.: ------" for ----- watches
- "Certificate of Quality Control Testing No.: ------" for ----- watches

These certificates are on file at the consignee's office.

Certified: October 6, 2004

Jakob Bānziger

CERTIFICATE OF QUALITY CONTROL TESTING NO. 11231/1 PRODUCTION LOT No. 216

ANALOG WRISTWATCH MODEL 100/1

Activity:41 mClT as gaseous tritium light sourcesUS NRC Registry No.:NR 446-D-103-EUS NRC License No.:NR 31-23712-01E of mb-microtec (USA) Inc.NYS, DOL Radioactive Material License No.:2641-3912

1. <u>Requirements on sources used for 100/1 watch</u>

All sources used are taken from production lots exhibiting leakage of less than 50 nCi T / 24 hours per batch of min. 16 sources. Results of 100% test per ANSI N43.4, section 8.3.2. are on file at mb-microtec Inc., Niederwangen, Switzerland.

2. <u>Requirements of Production Lots of Finished Watches</u>

- 2.1. 100 % visual inspection in dark room for absence of dislodged, dim or black sources.
- 2.2. Random samples testing per MIL-Std-105D, level S4, AQL 1% for
 - visual control for marking on dial and case bottom
 - drop from 1 m height to a steel plate followed by visual inspection for absence of dislodged, dim, dark and broken sources
 - leakage test per 8.3.2. ANSI N43.4 to a max. of 50 nCi T per 24 hours

traser[®]systems icrotec

RESULTS OF PRODUCTION LOT NO.: 216

Lot Size: 3000 Manufactured: June 04

Results 100% Visual Inspection 2.1:

Results Random Sample Test 2.2:

Markings:	all passed
Drop test:	all zaced
Leakage:	all passed

Watch 1: 0, 3.4.4	Watch 19:
Watch 2:Q. Ktr. G	Watch 20: 4.4.5. Watch 38: 6.4.4.6.
Watch 3 Q. 44.	Watch 21: 0, Let G. Watch 39: 0.5n G
Watch 4:	Watch 22
Watch 5:Q.S.m.C.	Watch 23: 0, Ch.C. Watch 41: 0, 3, 4, 6
Watch 6:	Watch 24: 0.4. G. Watch 42: 0.4. G.
Watch 7:	Watch 25: 0.44 G. Watch 43: 0.44 G
Watch 8: Q, 4.n. G	Watch 26. O. Z. G. Watch 44: R. SuG
Watch 9:	Watch 27:Q. K. 4. G. Watch 45: R. Sh. G.
Watch 10: 0.6 m.C.	Watch 28: 0.3. Watch 46: 0.6.C
Watch 11: 0, 2.6.6	Watch 29: O. Kr.G. Watch 47: Q. His G.
Watch 12: 0,4m	Watch 30 Watch 48
Watch 13: O. Kur C.	Watch 31: Ctot Watch 49: O. KuC
Watch 14: Q.S.r.G	Watch 32:
Watch 15:	Watch 33:
Watch 16: Q. Such	Watch 34:
Watch 17: a.JuG	Watch 35:
Watch 18:Q. Star G.	Watch 38:
-	

Production Lot. No. ... 216 ... is Q.c.c.e plec!

Certified : July 15, 2004

Chief, Quality Assurance:

Jakob Bänziger

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LUMINDX WATCH CO

PAGE 02

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Hordswiss

page 02

HOROSWISS S.A.

CERTIFICATE

It is certified that the watches Model 100/1 (serie 1553) shipped to Richard Barry Marketing Group (USA) inc. and invoiced per enclosure were taken from the the production lot covered by the

Certificate of Quality Control Testing No : 850* for 520 watches

"Certificate of Quality Control Testing No:
for watches

These certificates are on file at the consignee's office

Certified : October Srd, 2003

Rachel Bandcret

Av. Charles-Naine 34- 2300 La Chaux-de-Fonds Tel. +41 (0)32 925 36 00 - Fax +41 (0)32 927 98 92 - Email : Info@horaswiss.com 10/22/2004 09:35 2017508444

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LUMINDX WATCH CO

PAGE 03

PAGE 03

HOROSWISS S.A.

CERTIFICATE OF QUALITY CONTROL TESTING NO. 850 PRODUCTION LOT NO. 380

ANALOG WRISTWATCH MODEL 100/1

Activity: 63 mCi T as gaseous trifium light sources US NRC Registry No: NR 446-D-103-E US NRC Licence No: NR 31-23712-01E of mb-microtec (USA) Inc.

1 Requirements on sources used for 100/1 watch

All sources used are taken from production lost exhibiting leakage of less than 50 nCi T / 24 hours per batch of min. 13 sources. Results of 100% test per ANSI N540, 8.3.2. are on file at mb-microtec inc., Niederwangen, Switzerland.

- 2 Requirement of Production Lots of Finished Watches
- 2.1 100% visual inspection in dark room for ebsence of dislodged, dim or black sources.

2.2 Random samples testing per MIL-Sid-1050, Level 84, AQL 1% for

- visual control for marking on dial and case bottom
- drop from 1 m height to a steel plate followed by visual inspection for absence of dislodged, dim, dark and broken sources
- .- leakage test per 8.3.2. ANSI N540 to a max, of 50 nCl T per 24 hours

page 1 of 2

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HURDEWISS

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PAGE 04

HOROSWISS S.A.

RESULTS OF PRODUCTION LOT NO. : 380

Lot cize: 1,000 Manufoctured Sep			
Results 100% Visu	tel inspection 2.1:All_po	sed	
Results Random 6	Samola Test 2.2:		
Sémple Size:	13	Acceptance No.	0
Mark Drop Leak	lest al Dassod	•••	
	Watch 1 2 3 4 5 6 7 8 9 10 11 12 13		0,4 - 0, }
Production Lot. \$80 Certified : Octo	ber 5rd, 2003	. Occapted	

.

Chief, Quality Assurance : ~~ Michael Violbes

€1370 Z 97 Z

QC-3: U.S. Distributor Certificate of Quality Control Testing

Sealed Source Device (SSD) – Richard Barry Marketing Group Timepieces Containing Gaseous Tritium Light Sources (GTLS)

	SSD Model:	
	SSD Production Lot Number:	
	SSD US NRC License Number:	XX-XXXXX-XX-E
1.	Manufacture Requirements for P	roduction Lots of Assembled SSD

All SSDs used are taken from production lots that have been accepted by the manufacturer as meeting all requirements set forth in the QC Program.

2. Exempt Distribution Requirements of Production Lots of Assembled SSD

Visual inspections of final packaged SSD in accordance with the LTPD requirements of the QC Program:

- 2.1 Visual inspection of timepiece for proper markings/labeling (design conformity).
- 2.2 Visual inspection of GTLSs in timepiece for proper brightness (leakage).

Inspection Results

Sample Size = _	units	Acceptance Number =	0	units
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2.1 Visual inspection of timepieces for proper markings/labeling: <u>Pass / Fail</u>

2.2 Visual inspection of GTLSs in timepieces for proper brightness: Pass / Fail

Comments: _____

Production Lot Number ______ is _____ Accepted / Rejected

Licensee Representative Signature

Certification Date