Acceptance Roviero

APPENDIX C

	SUMN	MAR'	Y DATA		
Name and Complete Mailing Address of the Applicant:		Name, Title, and Telephone Number of the Individual to Be Contacted If Additional Information or Clarification Is Needed by the NRC: Augusto 12 Ceron 613 572 - 3400			
The	Applicant is (check one):	If the Applicant Is Not the Manufacturer, Provide the Name and			
Custom User		Complete Mailing Address of the Manufacturer ×2033			
,	Manufacturer				
	Distributor	1			
V	Manufacturer and Distributor	1			
If the Applicant Is a Custom User, Provide the Name and Complete Mailing Address of the Distributor:		Provide the Name, Complete Mailing Address, and Function of Other Companies Involved:			
Mode	el Number: Therasphere	Princ	Principal Use Code (see Appendix F):		
	Used by the Industry to Identify the Product (e.g.,	For U	Jse by:		
	ography Exposure Device, Teletherapy Source, ration Source, etc.):	V	Specific Licensees Only		
	*	General Licensees Only			
It made seeds			Both Specific and General Licensees		
	therapeatic seeds glass microspheres		Persons Exempt from Licensing		
Leak-	Test Frequency: /U/A	T C STREE	ipal Section of the 10 CFR that Applies to the User (e.g.,		
	Periodic Leak-Testing is Not Required		ral Licensees under 10 CFR 31.5): 10 CFR 35		
	6 Months		Radionuclides and Maximum Activities (including loading		
	Attached is justification for a leak test frequency of greater than 6 months	tolerance): Y-90 26 B9 (540m (i) Kerdo			
CERT	FIFICATION:				
THE AP	PLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTA	TIONS M	ADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.		
PREPAR	PLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON B LED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATION DRRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.	EHALF O	F THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS S 30 AND 32 AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE		
WARNII REPRES	NG: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES ENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STAT	IT A CRI ES AS TO	MINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR ANY MATTER WITHIN ITS JURISDICTION.		
Certif	ying Officer — Typed Name and Title				
Signat	ture:		Date:		
Signat	ture:		Date:		

CHECKLIST

Registration Certificate Holder:

DESCRIPTION	OK/DEF	COMMENTS
DESCRIPTION/CONSTRUCTION		
If registration certificate holder is requesting to register more than one source/device on a certificate, are designs similar enough to do so?	V	
Device/source design with complete engineering drawings (dimensions, olerances, list of materials)	/	
Assembly methods (screw, welds, etc.); verify integrity		no uting sufo
Source mounting (size and integrity) and security	/	•
Is source ANSI classification sufficient (from ANSI N542-1977): Radiography - Unprotected 43313 Medical - Radiography 32312 Medical - γ Teletherapy 53524 γ Gauges - Unprotected 43333 γ Gauges - In Device 43232 β Gauges, Low Energy γ Gauges, or X-ray fluorescence 33222 Oil Well Logging 56522 Portable Moist/Density 43333 Neutron Applications 43323 γ Irradiators (II, III, IV) 43424 γ Irradiators (II, III, IV) 43323 Static Eliminators 22222 Smoke Detectors 332222		
Definition of shutter operation (locked in Off position, not locked in On position), Fail safe, spacing and tolerances	N/A	
On-Off indicators (description, qty., location)	N/K	
Safety interlocks, guards, etc. to prevent access to beam or high radiation levels	NA	
Corrosion between unlike materials (e.g., aluminum & steel, depleted uranium & steel, etc.)	N/A	
Shielding efficiency and integrity	V	
For medical devices: Was a 510(k) provided? (provide written notification to FDA)		pendicy
Well logging sources must be nondispersible and nonsoluble. (see Appendix B for a list of approved well logging sources as of November 1991)	N/P	
See "ANSI and Other Standards" list for references for particular source/device designs (e.g. radiography, Brachytherapy, etc.)		IS0-2919-1998

CHECKLIST

Registration Certificate Holder:

DESCRIPTION	OK/DEF	COMMENTS	
LABELING			
Copy of label	V		
Materials, dimensions, colors (note on registration certificate if labeling is exempt from the color requirements of 10 CFR Part 20)		no water al/dimension	
Permanent attachment and location(s) - visible to users?	V		
Contents: Model#, Serial#, Isotope, Activity, Manufacturer, Date of Assay, Trefoil, "CAUTION - RADIOACTIVE MATERIAL" (Depleted Uranium information must be included)	V		
CONDITIONS OF USE			
Expected working life of the source/device (years, operations)	/		
Actions to be taken when product reaches end of its working life.		not specified	
Maximum allowable temperature, vibration, shock, corrosion, etc. (during use, handling, storage, and transport)		not specified	
How the device will be used	V	,	
Meets dose limits of Part 32 for distribution general licensees or persons exempt from licensing	NA		
PROTOTYPE TESTING/HISTORICAL USE			
Tests methods and conditions (for source and device)	V		
Tests results	V		
Years of use (incidents, failures, etc.)	V		
Similarities to other sources/devices if they are used as basis.	NA		
RADIATION PROFILES		, , ,	
Survey instrument used (type, window thickness, sensitivity, etc.)		not specified	
Conditions: including environments, scatter (product in beam), and use of guards and shields	V		
Distance from source/surface (per ANSI 538-1979)	V		
Shutter Open and Closed/Source Shielded	NIK		
Verify radiation surveys for γ radiation meet inv² law.	6-	β	
Verify radiation surveys for non-γ radiation have not been calculated using inv² law.			

CHECKLIST

Registration Certificate Holder:

DESCRIPTION	OK/DEF	COMMENTS	
QUALITY ASSURANCE			
Materials, subassemblies, services			
Assembly methods (screws, welding, etc.)			
Dimensions and tolerances		Tho WH UT	
Activity, radiation levels, leak tests			
QA Manual and comparison of manual to Regulatory Guide 6.9)	
INSTALLATION			
Fixed, portable, movable, fixed installation but portable source housing		1 charles	
Inherent shielding, inaccessibility		administration ded	
Beam access: size of air gap/opening to beam and use of interlocks, locks, additional shielding or barriers		Ns de	
Mounting integrity	<u> </u>	D .	
SAFETY INSTRUCTIONS		<u> </u>	
Operation, maintenance, calibration, damage/failure, specific warnings, leak test, and radiation surveys		fransp. Info provided	
ACCOMPANYING DOCUMENTATION		•	
Leak tests results and radiation surveys	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Transportation documents			
Operation, maintenance, calibration, damage/failure, specific warnings, leak test, and radiation survey instructions if applicable	V		
For Distribution to General Licensees: Verify NRC Regions and Agreement State listing is up-to-date and copies of all pertinent regulations			

APPENDIX C

CHECKLIST

Registration Certificate Holder:

DESCRIPTION				OK/DEF	COMMENTS	
SERVICING				NA		
The following activ	ities may be perfor	med by the persons i	indicated:	1		
Activity	by a General Licensee	Only by a Specific Licensee	Will be Offered by the Applicant			
Installation						
Relocation						
Maintenance		·				
Repair						
Source Exchange						
Calibration						
Leak Testing						
Radiation Survey						
Training						
FOREIGN VENDORS			\checkmark	MDS Nordion is queisi US		
Drop ship						
Who and where is so	ource installed					
Leak test and radiation surveys						
QA in the U.S.						