Application and Review Checklist for Acceptance Review for SSD 00-047

SUMMARY DATA

Name and Complete Mailing Address of the Applicant: eV Products, a Division of II-VI, Inc. 373 Saxonburg Boulevard Saxonburg, PA 16056	Name, Title, and Telephone Number of the Individual to Be Contacted If Additional Information or Clarification Is Needed by the NRC: J. Bruce Glock, Division Manager (724) 352-5228				
The Applicant is (check one):	If the Applicant Is Not the Manufacturer, Provide the Name and Complete Mailing Address of the Manufacturer:				
Custom User					
Manufacturer	N/A				
Distributor					
✓ Manufacturer and Distributor					
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:				
N/A					
Model Number: CPC-48	Principal Use Code (see Appendix E): (D) Gamma Gauge				
Name Used by the Industry to Identify the	For Use by:				
Product (e.g., Radiography Exposure Device, Teletherapy Source, Calibration Source, etc.):	Specific Licensees Only				
	✓ General Licensees Only				
	Both Specific and General Licensees				
	Persons Exempt from Licensing				
Leak-Test Frequency:	Principal Section of the 10 CFR that Applies to the User (e.g., General Licensees under 10 CFR 31.5): 10 CFR 31.5, 32.51				
Periodic Leak-Testing is Not Required					
✓ 6 Months	Radionuclides and Maximum Activities (including loading tolerance):				
Attached is justification for a leak test frequency of greater than 6 months	Cd-109, 55 mCi				
CERTIFICATION:					
THE APPLICANT UNDERSTANDS THAT ALL STATEMEN APPLICANT.	ITS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE				
	CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT ITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30 AND 32 AND THAT ALL				

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

Certifying Officer — Typed Name and Title

Signature:

Date:

CHECKLIST

Registration Certificate Holder:

Model:

DESCRIPTION		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?	Def	
Device/source design with complete engineering drawings (dimensions, tolerances, list of materials)		
Assembly methods (screw, welds, etc.); verify integrity	Def	
Source mounting (size and integrity) and security	Def	
Is source classification sufficient (ANSI N43.6 or ISO 2919)? Radiography - Unprotected 43515 Radiography - In Device 43313 Medical - Radiography 32312 Medical - Radiography 32312 Medical - Patcherapy 53524 Medical - Brachytherapy 53211 Medical - Source Applicators 43312 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 Calibration source activity > 30µCi (1 MBq) 22212 γ Irradiators (I) 43323 γ Irradiators (II, III) 43424 γ Irradiators (II, III) 53424 Chromatography 32211 Static Eliminators 22222 Smoke Detectors 32222		Need clarification
Definition of shutter operation (locked in Off position, not locked in On position), Fail safe, spacing and tolerances		
On-Off indicators (description, qty., location)		
Safety interlocks, guards, etc. to prevent access to beam or high radiation levels		
Corrosion between unlike materials (e.g., aluminum & steel, depleted uranium & steel, etc.)		
Shielding efficiency and integrity		
For medical devices: Was a 510(k) provided? (provide written notification to FDA)		
Well logging sources must be nondispersible and nonsoluble. (see App. B for a list of approved well logging sources as of Nov. 1991)		
See "ANSI and Other Standards" list for references for particular source/device designs (e.g. radiography, Brachytherapy, etc.)		
LABELING		
Copy of label		

CHECKLIST

Registration Certificate Holder:

Model:

DESCRIPTION		COMMENTS	
Materials, dimensions, colors (note on registration certificate if labeling is exempt from the color requirements of 10 CFR Part 20)			
Permanent attachment and location(s) - visible to users?			
Contents: Model#, Serial#, Isotope, Activity, Manufacturer, Date of Assay, Trefoil, "CAUTION - RADIOACTIVE MATERIAL" (Depleted Uranium information must be included)			
CONDITIONS OF USE			
Expected working life of the source/device (years, operations)		20 yrs	
Actions to be taken when product reaches end of its working life.			
Maximum allowable temperature, vibration, shock, corrosion, etc. (during use, handling, storage, and transport)			
How the device will be used			
Meets dose limits of Part 32 for distribution general licensees or persons exempt from licensing			
PROTOTYPE TESTING/HISTORICAL USE			
Tests methods and conditions (for source and device)			
Tests results			
Years of use (incidents, failures, etc.)			
Similarities to other sources/devices if they are used as basis.			
RADIATION PROFILES	Def		
Survey instrument used (type, window thickness, sensitivity, etc.)			
Conditions: including environments, scatter (product in beam), and use of guards and shields			
Distance from source/surface (per ANSI 538-1979)			
Shutter Open and Closed/Source Shielded			
Verify radiation surveys for γ radiation meet inv^2 law.			
Verify radiation surveys for non- γ radiation have not been calculated using inv^2 law.			
QUALITY ASSURANCE	Def		
Materials, subassemblies, services			
Assembly methods (screws, welding, etc.)			
Dimensions and tolerances			
Activity, radiation levels, leak tests			
QA Manual and comparison of manual to Regulatory Guide 6.9			
INSTALLATION	Def		

CHECKLIST

Registration Certificate Holder:

Model:

DESCRIPTION			OK/DEF	COMMENTS	
Fixed, portable, movable, fixed installation but portable source housing					
Inherent shielding, inaccessibility					
Beam access: size of air gap/opening to beam and use of interlocks, locks, additional shielding or barriers					
Mounting integrity					
SAFETY INSTRUCTIONS			✓		
Operation, maintenance, calibration, damage/failure, specific warnings, leak test, and radiation surveys					
ACCOMPANYING DOCUMENTATION					
Leak tests results a	and radiation sur	veys			
Transportation doc	uments				
Operation, maintenance, calibration, damage/failure, specific warnings, leak test, and radiation survey instructions if applicable					
For Distribution to General Licensees: Verify NRC Regions and Agreement State listing is up-to-date and copies of all pertinent regulations			Def		
	SER	/ICING		✓	
The following activi	ities may be per	formed by the per	sons indicated:		
Activity	by a General Licensee	Only by a Specific Licensee	Will be Offered by the Applicant		
Installation					
Relocation					
Maintenance					
Repair					
Source Exchange				1	
Calibration					
Leak Testing					
Radiation Survey					
Training					
FOREIGN VENDORS					
Drop ship					
Who and where is source installed					
Leak test and radiation surveys					
QA in the U.S.			Ι Τ		

Signature:

/**RA**/

See RAI letter.

Date: 11/20/00