USDA	**United States Department of Agriculture Radiation Safety Program**	**Application to Use Electron Capture Detectors (RSS-23)**

ECD Information A sealed source Inventory Record Form (RSS-28) must be completed for each electron capture detector (ECD). For a new application where the ECD has not yet been received, complete as much of the form as possible.

Location List the rooms where the ECDs will be used and stored. Include the building name if applicable.

Use Indicate the purpose for which the ECD(s)s will be used.

Associate Users Associate Users are individuals who will work under the supervision of the Permit Holder. A Radiation Worker Registration form (RSS-10) must be completed for each individual. Please list the names of the Associate Users below:

Program Requirements To apply for authorization to use ECD(s) you must initial the following statements. By initialing the statements you agree that you have read the statements and agree to comply with the requirements.

Requirements	Initials
Detector cells containing tritium will be vented directly to the atmosphere or to a continuously operating fume hood.	
Detector cells containing titanium tritide or scandium tritide foils will be used only with a temperature control mechanism that prevents foil temperatures from exceeding the manufacturer's specifications.	
Detector cells containing nickel-63 shall be leak tested at intervals not to exceed 6 months.	
Gas chromatographs (GC) containing detector cells shall be labelled with a "Caution, Radioactive Material" sign. The label will be removed when the ECD is removed from the GC.	
Detector cells shall not be disposed of ; transferred to another individual; or returned to the manufacturer without receiving prior approval from the Radiation Safety Staff (RSS).	
Detector cells shall not be opened by the Permit Holder or Associate Users at any time.	
Detector cells that are not attached to a GC shall be secured against unauthorized use by storing in a locked drawer or cabinet.	

Signature of Applicant:

Name:	Date: