

J.L. Shepherd & Associates
Information Supporting
Continued Use of GE 1500
Serial # 5701

Compelling Public Interest Health and Safety

- JLS&A Customers requesting isotope distribution are:
 - Medical Research Facilities
 - Cancer
 - Sterilization of Prosthetics
 - Eye Implants (retina and cornea)
 - Department of Defense
 - Defense Micro Electronics Agency
 - Defense Bio-Med Research Laboratories (Fort Detrick)
 - Calibration / Detection

Compelling Public Interest

Public Safety

- Request provides for shipment of one package to locations requested.
- Current Package potentially available by September 2012 does not provide for shipment via a single package capability. (300 Watt limit).
- Will allow immediate removal of unwanted isotope from delivery locations requesting re-loads.

Compelling Public Interest

Public Safety, Continued

- Intended shipments are shipped as “Quantities of Concern” or if larger “Exclusive Use” and are shipped under security regulations commensurate with designation.
- GE 1500 Cask has a very favorable transport performance history. No accidents.
 - Secure
 - Size
 - Allows consolidation of potentially multiple casks in transit into one cask on one conveyance.

JLS&A Efforts to Secure Alternative Packaging

- JLS&A has completed design on new CoC
 - Application expected to be filed with NRC by 6-30-12
 - Design is robust, yet simple
- GEH has Model 2000 transport cask
 - Too Big
 - Will not fit JLS&A Hot Cell
- Industrial competitor has new package design approved. Largest package is a 300 Watt package.
 - Does not meet JLS&A's needs.
 - Requires multiple packages.
 - May require multiple conveyances.
 - Cost prohibitive. Will not rent. Sale only.
 - Anticipated first date of availability is 2013.