

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.