EFCOG

Working for More Effective Packaging Management

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EFCOG Packaging Initiative

• Established by EFCOG in June 2012
  – Packaging Initiative working team established to make recommendations to DOE.
  – Hardware could include Type B containers, waste boxes, freight containers, procurement activities and transport trailers.
  – Guiding Concept:
    ▪ Should be the first place people would go to for their radioactive packaging needs and the last place projects would go to "donate" excess hardware for future use elsewhere.
EFCOG Packaging Initiative Team

Broad Based Team from Industry and Complex

- Jeff England, SRNL
- Syd Gordon, NNSS
- Jeff McGhee, ANL
- Jeff Arbital, NNSA, Y12
- Joe Kinney, SRNL
- John Woodbury, Naval Fuels
- Harry Boston, BGS-LLC
- Clarence Ruff, DOE SR
- Robert Watkins, SRNL
- Rustin Long, NNSA, NNSS
- Ashok Kapoor, DOE EM-33
- Mark Bowers, SRNS
- Steve Trotter, ORNL
- Ron Leonard, MHF Services
- David Parks, INL, NE
- Dave Lojek, EMCBC
- Mike Lewis, CPC
Shipping Packagings as Assets

• DOE spends millions each year on packagings

• Many packagings are re-usable commodities

• Type B (certified/licensed) packagings are expensive and may take years to procure and cost several million dollars

• Limited availability has impacted mission schedules and performance

• Across the spectrum of packagings there are opportunities to improve efficiency and reduce cost
Stewardship of DOE's investment in Packagings

• For simple packages and containers promote:
  – Common sourcing (standard specification, GSA procurement, shared Quality Audits, etc.)
  – Reuse across the complex.

• For more specialized packages
  – Formalize a clearing house for reusing “excess to current need” packages
  – Consider options for more coordinated management (maintenance, procurement, and refurbishment) of high value assets
Information Needed to Optimize the Investment in Packagings

• Share annual accounting of the types and numbers of packages/containers and the cost. This is often on a project by project basis.

• Communicate the types and number currently used.

• Forecasting of future needs for certified packages.

• Identify packages (often the high value packages) that should be properly stored for future needs.
Options for High Value Assets

• Sharing of inventory and tracking information of certified packages (as assets)?

• Share information on availability?
  – Are there existing tools or options to do this at little or no additional cost?

• Avoid creating an administrative (bureaucratic) burden?
Evaluate the Business Case

• Is there a case for investment in tracking and storing high value packages?
  – Return to service will be demand driven by a funded user.

• What are the business options for maintenance, refurbishing, and certifying packages?
  – What are the current baseline costs for DOE?
  – What is the projected return on an optimized system?
  – Is there a case of centralized efforts?
  – Would this be a contractor function or a procured service?
Business Case Specifics

• Establish current baseline for packaging needs:
  – Procurement and leasing of packaging
  – Regulatory, technical, and service support
  – Central administration, planning, integration
  – Records and documentation maintenance
  – Facilities for storing and maintaining inventory

• Identify opportunities for optimizing DOE capability to meet current and future packaging needs

• Maximize use of existing packaging assets, staff and facilities
EFCOG Packaging Initiative

• Team Activities
  – Preparing a business case and plan for concept implementation
    – Several rounds of drafts circulated with spirited discussion and commentary.
    – Prepared a table of Complex capabilities. Several rounds of comments and edits.
  – Comprehensive inventory of Complex packaging
    – Task initiated by Syd Gordon with some preliminary results.
    – Effort constrained by current NNSA position
Complex-wide Inventory of Packaging

- Requested input from 20 sites and 7 vendors (total of 49 addressees) on 4/22/2013
- NNSA (NA-00-40) instructed sites to not respond to request
- Received 6 responses (4 sites) by 6/6/2013
- Total of 33 different container types identified
- Total of 436 containers identified
- Total of 7 operating locations (in use, storage) identified
- Status included in-use, stored, retired/excessed
Path Forward

- Complete comprehensive Complex inventory of in-use and staged packaging
- Identify excess or orphaned packaging and cost of continued storage
- Identify packaging with potential for multi-site utilization
- Complete business case analysis for DOE/HQ
- Identify cost savings and efficiencies associated with concept
- Work within EFCOG to broaden support and cost savings