

# BIOMEDICAL RESEARCH PRODUCTS DELETED DUE TO RADIOACTIVE WASTE ISSUES

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Leonard R. Smith, CHP

Council on Radionuclides and Radiopharmaceuticals

# CORAR

- Council on Radionuclides and Radiopharmaceuticals
  - Manufacture and Distribution of Radiochemicals, Sealed Sources and Radiopharmaceuticals
  - Medical Diagnosis and Therapy, Life Science Research and Quality Control
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- [corar@silcon.com](mailto:corar@silcon.com) 925-283-1850

# EFFECT OF DELETED CATALOG PRODUCTS

- Catalog Products
- Special and Custom Orders
- Impact of Deletions:
  - Availability
  - Increased Radwaste
  - Increased Handling
  - Feasibility

# REASONS FOR DELETION

- Mixed Waste Generated in Manufacture:
  - Mixed Waste Treatment and Disposal
  - Treatment by Permitted Vendors
  - Mixed Waste Storage
  - Alternative Technology

# DIFFICULTY DISPOSING LLRW

- Class B and C LLRW
- Avoid GTCC Radwaste
- Interim Storage:
  - Surveillance
  - Maintenance
  - Repackaging
  - Storage Capacity

# LLRW DISPOSAL COST

- Too High for Most Manufacturers
- Class A
- Class B and C

# OTHER REASONS FOR DELETING PRODUCTS

- Multiple Reasons for Deletions:
  - Mixed Waste
  - Loss of Access for LLRW Disposal
  - Cost of Treatment and Disposal
  - Similar Concerns for Research Community
  - Limited Institutional Storage Space
  - Administrative Prohibitions
  - Change to Alternative Tracer Chemicals

# SUMMARY

- Industry Used to Provide 1500 Radiochemicals Prior to 1994
- Over 100 Deleted Due to Radwaste Issues
- Another 220 Deleted Due to Multiple Reasons Including Radwaste Issues
- Other Deletions May Be Determined in the Future
- The Research Community has Reported Similar Reasons for Restricting Use of Radiochemicals



# CONCLUSIONS

- Biomedical Research is Restricted Due to Radwaste Issues
- Need Reliable, Cost-Effective Access for LLRW Disposal
- Need Out-of-Compact Access to Andrews County, Texas LLRW Disposal Site
- Regulations and Policies Should Support Site Viability