



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Lessons Learned: Past to Future

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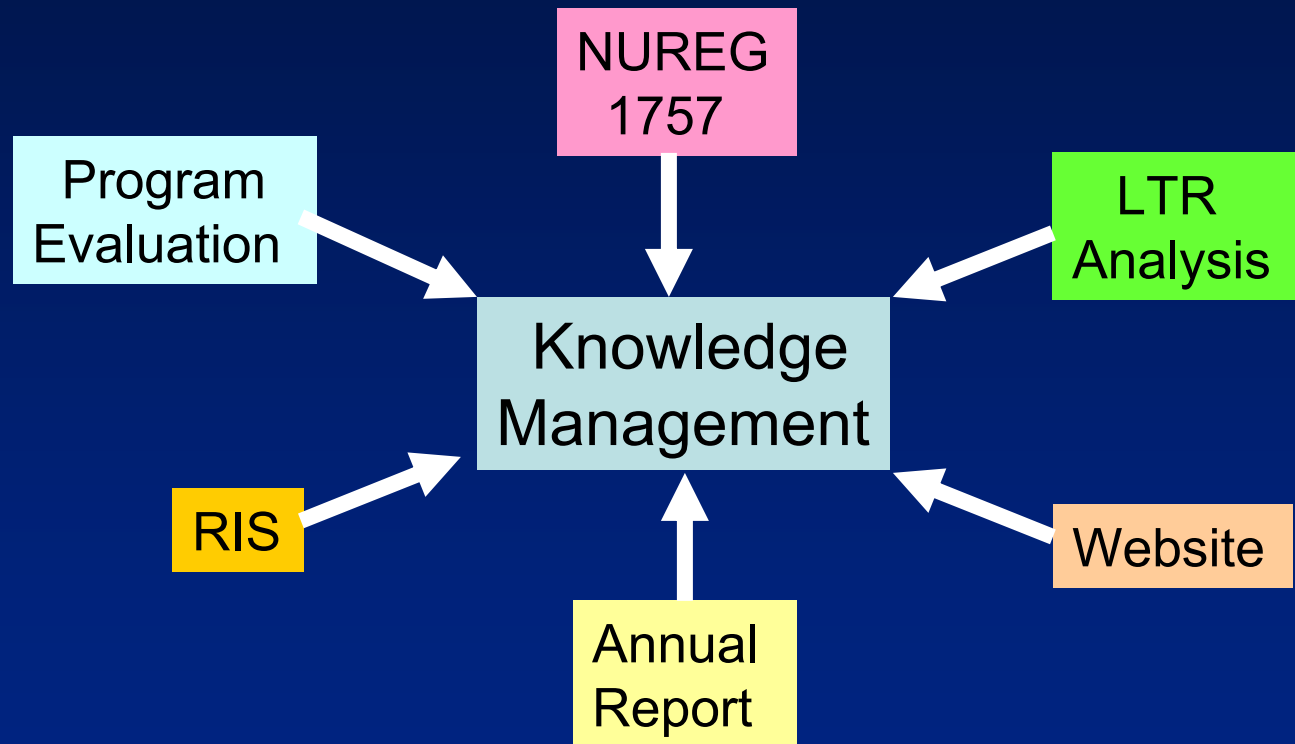
Decommission

“To remove a facility or site safely from service and reduce residual radioactivity to a level that permits: (1) release of the property for unrestricted use and termination of the license; or (2) release of the property under restricted conditions and the termination of the license.”

NRC's Complex Decommissioning Program



Knowledge Management is Critical





Lessons Learned Activities

- **RIS 2002-02**
- **RIS 2004-08**
- **Enhanced Webpage**



RIS-2002-02

- **Communications**
- **Groundwater**
- **Data Quality Objectives**
- **Inspections**
- **Flexibility**
- **Dose Modeling**



RIS 2002-02

- **Cost Estimates**
- **Records**
- **Environmental Assessments**
- **Survey Units**
- **Embedded Piping**
- **Minimum Detectable Concentrations**



RIS 2004-08

- **Restricted Release**
- **LTR criteria**
- **Separate Criteria for U/Th**
- **On-site Disposal**



RIS 2004-08

- **Disposition of Solid Material**
- **Realistic Exposure Scenarios**
- **Prevention of Future Legacy Sites**
- **Intentional Mixing**



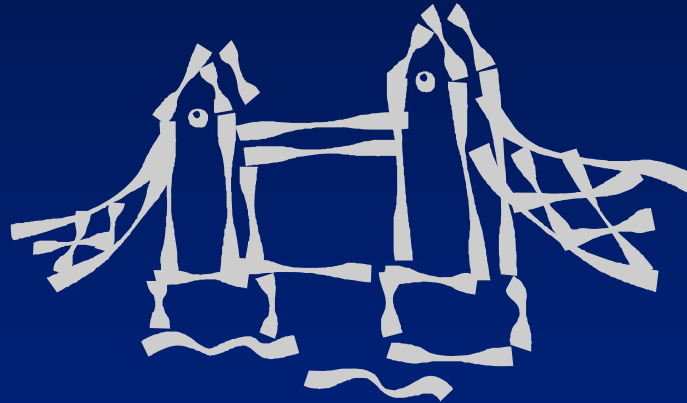
Enhanced Webpage

- **List of NRC Lessons Learned**
- **Summary and Benefits**
- **Links to Documents**
- **<http://www.nrc.gov/what-we-do/regulatory/decommissioning/lessons-learned.html>**

PAST

Experience
Lessons Learned

Knowledge Management



FUTURE

Design Changes
Improved
Decommissioning

Documentation

Conclusion

- **Cooperation is critical to ensure that decommissioning lessons learned are incorporated into the design, construction and operation of new and existing facilities**
- **NRC is working with US and International stakeholders to identify, and memorialize decommissioning lessons learned**