

# Long-Term Stewardship and Closure for the Seventh Generation

**Peter Chestnut**, attorney for Pueblo de San Ildefonso

**Branden Doster**, Section Chief for Missouri  
Department of Natural Resources



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# The U. S. Nuclear Weapons Complex



## Nuclear Weapons Production



Former industrial sites contaminated with radioactivity, some but not all of which contributed to nuclear weapons production.  
 Number indicates how many sites were or are located in the State.

# Closure for the Seventh Generation

## 1999 Edition

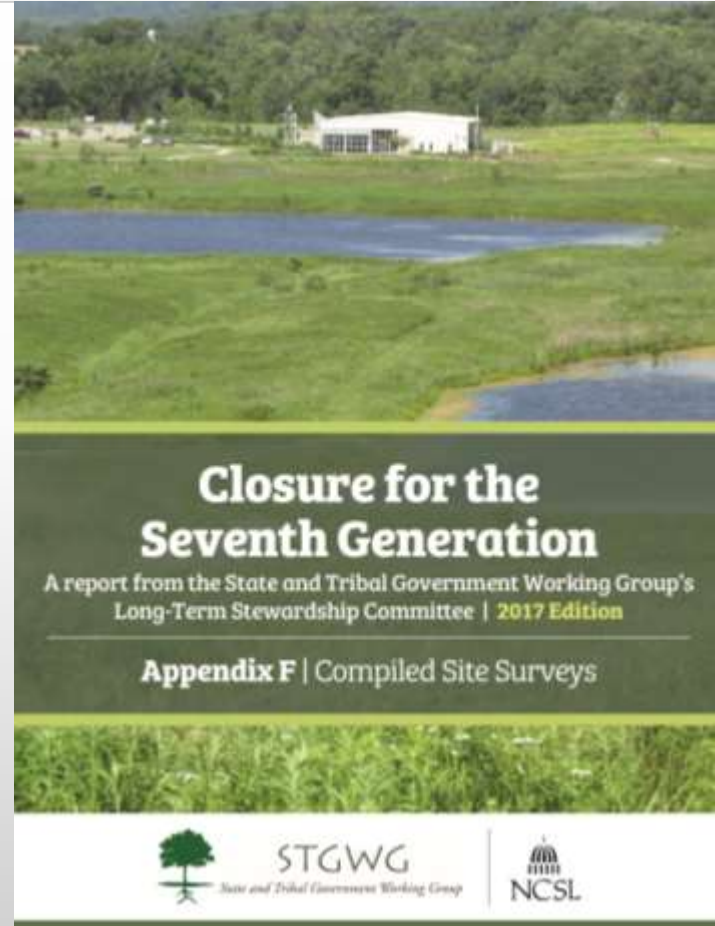
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- 1999: first edition of the Closure for the Seventh Generation report released
- Definition “Long-Term Stewardship”
  - *All activities necessary to “ensure adequate long-term protection of human health, the environment, and cultural resources, following completion of remediation, disposal, or stabilization of a site or a portion of a site.”*



# Closure for the Seventh Generation 2017 Edition

- Highlights DOE progress since 1999
- Shares findings and conclusions from 15 site surveys
- Recommendations based on the progress and conclusions from the site surveys:
  - 23 recommendations to address unresolved issues facing the successful planning and implementation of LTS.





# Sites with Ongoing Missions

#2: Provide further detail on how NNSA, DOE-NE, DOE Office of Science and other offices plan for LTS

- Departmental guidance should outline how states and tribes can participate in the planning processes.

#7: Re-evaluate sites and portions of sites where active cleanup is complete for opportunities to define and document LTS activities





# Costs and Budgeting

#13: Determine if the current selection process of long-term remedies for sites includes calculations for all costs related to LTS and results in truly cost-effective outcomes.

- DOE-LM should evaluate the information and develop a report of actual cost as compared to the predicted cost of LTS.







PERKIOMEN PRESERVE VISITORS CENTER



# Public Education and Outreach

#20: Ensure information about contaminates areas within sites is preserved, communicated and made accessible for states, tribes and future site users.

#22: Continue to support existing visitor centers and consider the development of additional visitor centers...

#23: Continue to establish separate systems for LTS Data collection and preservation .... or combine with DOE-LM for electronic collection, storage, and retrieval...



# Key Questions and Next Steps

- How can DOE site teams be further utilized to support LTS discussions?
- Which recommendations can we address in the near-term?
- What other priorities do DOE, states and tribes have?
- Other questions?