Session 3:
Common Themes from Day One

Summary of key points by the committee:
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• The Problem
  – Challenging wastes
  – Difficult decisions

• The Given Framework
  – Classification scheme
  – Safety standard (intruder dose level)

• How do we get from the current classification scheme to the safety standard?
• Anchors, analogy, and adjustment
  – Anchors: we are not without guidance; the existing classes are valuable starting points
  – Analogies: other classification systems are available for comparison, borrowing
  – Adjustment: sliding scale allows for management between or beyond current categories
Inherent Hazard: radiation type, activity, half-life (chemical toxicity)

Protection:
Disposal depth
Length of protection
Barriers
Waste form
Security

Inherent Hazard: radiation type, activity, half-life (chemical toxicity)
Inherent Hazard: radiation type, activity, half-life (chemical toxicity)
• Additional dimensions
  – Chemical hazard (in addition to radiological)
  – Time horizon and sustainability (esp. for an increasing hazard like DU)
  – Source
  – Local and national contexts