Receptors and Pathways
Summary

Neptune and Company, Inc.
Time Frame and Endpoints

Over a 10,000-yr modeling period…

• Project current conditions/knowledge (NRC PA guidance)
• Estimate annual radiation doses to…
  • Persons who may gain access to the site following loss of institutional control
  • Persons who may be exposed at off-site locations
Exposure pathways and receptors

• Ranching
  External radiation from soil and air; inhalation of gases and dust; ingestion of beef and soil/dust

• Recreation
  Same as for Ranching, but substituting game meat

• Off-Site Locations
  Inhalation exposure at I-70 rest area, I-70 and rail commuters, UTTR access road, Knoll’s OHV area

• Pathway Screening
  Consumption of wild plants, surface water
Dose Assessment Locations

- Class A South embankment
- Knolls OHV Rec. Area
- average size of a ranching lease
- rail line
- Grassly Rest Area
- I-80