

Table 4-45. New Waste Management Facility Impacts for Each Waste Management Strategy

Environmental category	No action	Dedication	Elimination	Combination
Groundwater/surface water	Potentially more damaging than all current existing waste sites	No significant impact through period of institutional control. Potential hazardous and radioactive releases, thereafter	No significant impact through 20-year period of operation	No significant impact through period of institutional control. Potential hazardous and radioactive releases, thereafter
Nonradioactive atmospheric	Potential dispersion of large quantities of waste due to disaster (e.g., fire)	No significant impact	No significant impact	No significant impact
Ecology	Potential substantial impacts both onsite and offsite and downstream	No significant waste related impacts. No significant loss of habitat. No impact to rare/endangered species	Same as Dedication	Same as Dedication
Radiological releases	Potentially damaging to the environment and public health	No significant impact through the period of institutional control. Potential impacts thereafter from tritium unless mitigated	No significant impact through 20-year period of operation	No significant impact through the period of institutional control. No significant impact from tritium thereafter
Archaeological/historic	No impact	No impact	No impact	No impact
Socioeconomics	Potential substantial impacts due to temporary cleanup workforce, SRP unit shutdowns and layoffs, and public perception of offsite property values	No impact	No impact	No impact

Table 4-45. New Waste Management Facility Impacts for Each Waste Management Strategy (continued)

Environmental category	No action	Dedication	Elimination	Combination
Noise	No impact	No impact	No impact	No impact
Site dedication	Potential site dedication of land contaminated by accidental releases	Dedication of as much as 400 acres of land for waste management in perpetuity	No dedication of land in perpetuity	Dedication of as much as 400 acres of land for waste management in perpetuity
Institutional	Would result in DOE's non-compliance with environmental laws and regulations	Possible site maintenance and monitoring indefinitely beyond institutional control period	Commitment could require research and development, planning, engineering, and construction of future waste management facilities for stored waste	Possible site maintenance and monitoring indefinitely beyond institutional control period. Commitment could require research and development, planning, engineering, and construction of future waste management facilities for stored waste

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