

# Summary of Key Impacts

Parameter	LANL	SRS
<b>Land use and development</b>	Permanent development: 70 acres Temporary laydown areas: 29 acres Previously undisturbed: 27 acres	Permanent development: 65 acres Temporary laydown areas: 42 acres Previously undisturbed: 9.3 acres
<b>Air emissions</b>	Non-rad emissions: below de minimis Rad: << 1-percent of annual site releases	Non-rad emissions: below de minimis Rad: << 1-percent of annual site releases
<b>Socioeconomic</b>	Construction workforce: 250–300 Additional operations staff: 86–2,083	Construction workforce: 4,000 peak Additional operations staff: 1,705–2,840
<b>Transportation</b>	Annual LCF risk to public: 0.0015–0.0038 Accident risk to public: $5.9 \times 10^{-6}$ – $1.6 \times 10^{-5}$ LCF	Annual LCF risk to public: 0.0050–0.0099 Accident risk to public: $1.3 \times 10^{-5}$ – $3.3 \times 10^{-5}$ LCF
<b>Radioactive waste</b>	LLW (m <sup>3</sup> /yr): 3,029–7,627 MLLW (m <sup>3</sup> /yr): 102–262 TRU waste (m <sup>3</sup> /yr): 280–634	LLW (m <sup>3</sup> /yr): 4,650–9,400 MLLW (m <sup>3</sup> /yr): 7.6–15 TRU waste (m <sup>3</sup> /yr): 459–765
<b>Human health</b>	MEI and collective population dose: very small Number of radiological workers: 1,028–2,003 Collective worker dose: up to 931 person-rem/yr	MEI and collective population dose: very small Number of radiological workers: 1,280–2,130 Collective worker dose: up to 356 person-rem/yr
<b>Accidents</b>	Bounding accident: glovebox fire MEI LCF risk: $1.2 \times 10^{-6}$ Population LCF risk: $1.1 \times 10^{-4}$	Bounding accident: fire in receipt area MEI LCF risk: $5.5 \times 10^{-6}$ Population LCF risk: $2.8 \times 10^{-2}$

Acronyms: LCF = Latent Cancer Fatality; LLW = Low Level Waste; MEI = Maximally Exposed Individual; MLLW = Mixed Low Level Waste; TRU = Transuranic