

## ACRONYMS

AEC	Atomic Energy Commission (Japan)
AI	artificial intelligence
AK	Exclusion criteria
Andra	Agence nationale pour la gestion des déchets radioactifs
ANRE	Agency for Natural Resource and Energy (Japan)
BGE	Bundesgesellschaft Für Endlagerung (Federal Company for Radioactive Waste Disposal, German implementer)
Ca.	circa (approximately)
CANDU	CANada Deuterium Uranium
CISF	consolidated interim storage facility
D&B	drill and blast
DGR	deep geologic repository
DOE	U.S. Department of Energy
EBS	engineered barrier system
EDZ	excavation damaged zone
EIA	Environmental Impact Assessment
EndlSiAnfV	Endlagersicherheitsanforderungsverordnung – Repository Safety Requirements Ordinance
EndlSiUntV	Endlagersicherheitsuntersuchungsverordnung – Repository Safety Investigation Ordinance
ENSI	Federal Nuclear Safety Inspectorate (Switzerland regulator)
EU/EC	European Union/European Commission
EURAD	European Joint Program on Radioactive Waste Management
geoWK	geoscientific weighing criteria
GIS	geographic information system
GL	ground level
GLA	General License Application
GTS	Grimsel Test Site, Switzerland
Gwd/MTU	gigawatt-days per metric ton of uranium
ha	hectare
HLW	high-level radioactive waste
ILW	intermediate level waste
IAEA	International Atomic Energy Agency
IGD-TP	Implementing Geological Disposal of radioactive waste Technology Platform
JAEA	Japan Atomic Energy Agency
JNFL	Japan Nuclear Fuel Limited
k	thousand
KAERI	Korea Atomic Energy Research Institute
KBS-3	KärnBränsleSäkerhet (nuclear fuel safety)
KORAD	Korea Radioactive Waste Agency (Republic of Korea implementer)
KHNP	Korea Hydro & Nuclear Power
KINAC	Korea Institute of Nuclear Nonproliferation and Control

KINS	Korea Institute of Nuclear Safety
L/ILW or LILW	low- intermediate-level radioactive waste
LLW	low-level radioactive waste
LS	literature survey
MA	Minimum requirements
METI	Ministry of Economy, Trade and Industry (Japanese ministry)
MOE	Ministry of Environment
MOX	mixed-oxide
mSv	millisievert
MT	Mon Terri
MW	megawatt
mWh	megawatt-hour
Nagra	Nationale Genossenschaft für die Lagerung radioaktiver Abfälle (National Cooperative for the Disposal of Radioactive Waste, Switzerland implementer)
NEA	Nuclear Energy Agency
NPP	nuclear power plant
NRA	Nuclear Regulation Authority (Japan regulator)
NSSC	Nuclear Safety and Security Commission (Republic of Korea regulator)
NWTRB	U.S. Nuclear Waste Technical Review Board
NUMO	Nuclear Waste Management Organization of Japan (Japan implementer)
OECD	Organisation for Economic Co-operation and Development
Onkalo	Spent nuclear fuel deep geological repository in Finland
PI	preliminary investigation
planWK	planning scientific weighing criteria
Posiva Oy	Finland implementer
PHWR	pressurized heavy water reactor
PSHA	probabilistic seismic hazard assessment
PWR	pressurized water reactor
RAW	radioactive waste
R&D	research and development
rvSU	repräsentative vorläufige Sicherheitsuntersuchungen – Representative preliminary safety analyses
RWMC	Radioactive Waste Management Funding and Research Center (Japan)
SA	sensitivity analysis
SDM	site descriptive model
SF	spent fuel
SFOE	Swiss Federal Office of Energy
SKB	Svensk Kärnbränslehantering Aktiebolag (Swedish Nuclear Fuel and Waste Management Company)
SMR	small modular reactor
SNF	spent nuclear fuel
SSG	safety standard guide
StandAG	StandortauswahlgeseztüreinEndlagerfürhochradioaktiveAbfälle (Enactment of the Repository Site Selection Act)

STUK	Radiation and Nuclear Safety Authority (Finland regulator)
SÚJB	State Office for Nuclear Safety (Czech Republic regulator)
SÚRAO	Radioactive Waste Authority (Czech Republic implementer)
t	tonnes
TBM	tunnel boring machine
TRU	trans-uranic
UCS	uniaxial compressive strength
UK	United Kingdom
URL	underground research laboratory
VLLW	very low-level radioactive waste
ZNO	Zürich Nordost (Switzerland siting region)