

1. Record Nr.	UNINA9911026173103321
Autore	IAEA
Titolo	Considerations for the Back End of the Fuel Cycle of Small Modular Reactors : Proceedings of a Technical Meeting
Pubbl/distr/stampa	Vienna : , : International Atomic Energy Agency, , 2023 ©2023
ISBN	9789201561237 9201561237
Edizione	[1st ed.]
Descrizione fisica	1 online resource (170 pages)
Collana	IAEA TECDOC Series No Series ; ; v.2040
Soggetti	Nuclear fuels Nuclear reactors - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This publication by the International Atomic Energy Agency focuses on the back end of the fuel cycle for small modular reactors (SMRs). It addresses the challenges and opportunities in managing spent nuclear fuel from SMRs, exploring the storage, reprocessing, recycling, and disposal stages. With increasing interest in SMRs as a low-carbon energy source, the book highlights over 80 reactor concepts under development, including light water, high temperature gas, liquid metal fast, and molten salt reactors. The proceedings of a technical meeting held in 2022 are presented, featuring contributions from 107 participants across 32 Member States. The book aims to facilitate information exchange and identify strategies for integrated spent fuel management. Intended for professionals and researchers in nuclear energy, the text provides insights into international cooperation and safety measures related to SMRs.