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Good Practices and Future Development Prospects of Nuclear Decommissioning in China

Nuclear decommissioning is an important component of advanced nuclear technology systems. Since the 1990s, China has made positive progress in reducing risks of old nuclear facilities and supporting sustainable development of nuclear energy through decommissioning, accumulating a wealth of good practice experience. This report focuses on the top-level capability industrial layout of China's decommissioning work over the past 30 years, key project construction and operation, and radiation environment restoration. It highlights the integrated decommissioning capability layout of China National Nuclear Corporation's environmental protection subsidiary and the good practices of projects such as the solidification of radioactive liquid waste and the remediation of naturally occurring radioactive waste in fairy cave (Shenxiandong). The report also proposes future prospects and initiatives for global decommissioning technology research and development, international cooperation, and promoting the development of the nuclear decommissioning industry.

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