

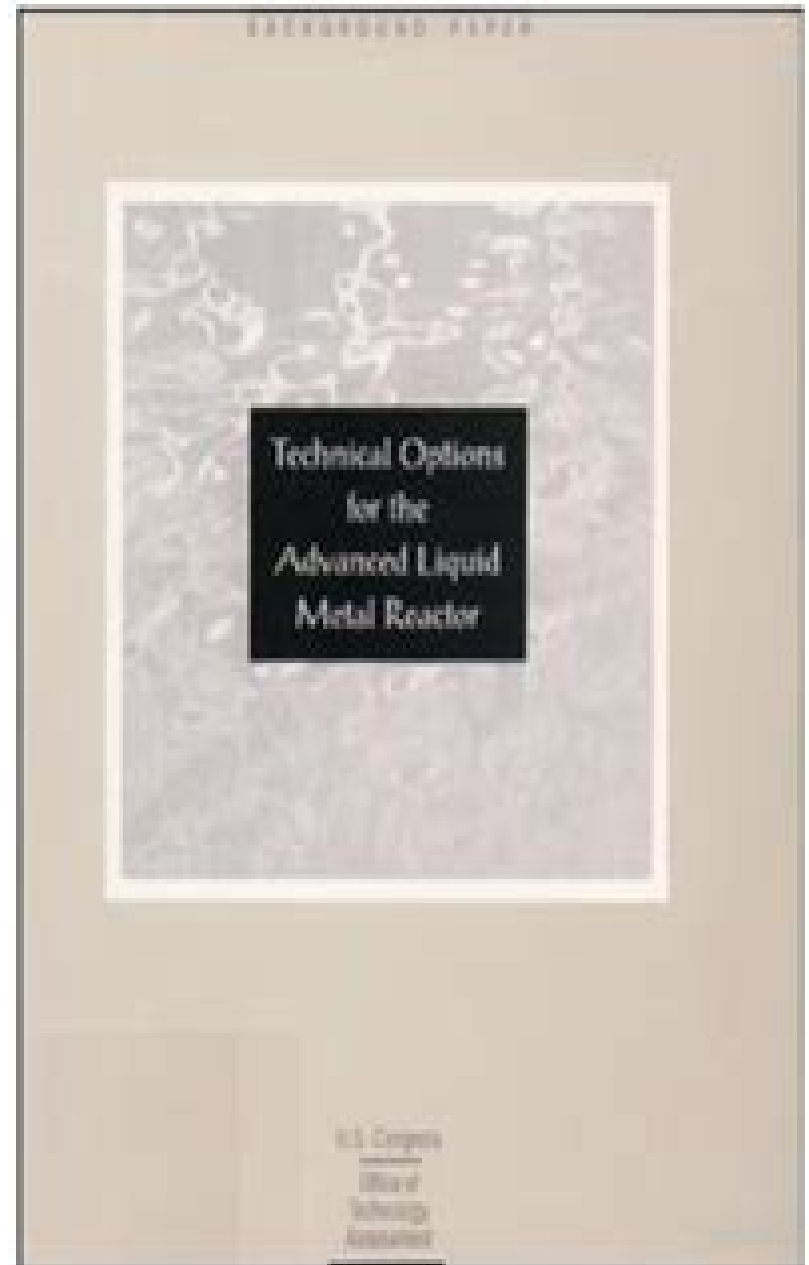
*Technical Options for the Advanced Liquid
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May 1994

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Technical Options For The Advanced Liquid Metal Reactor

JL Elias

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Technical Options For The Advanced Liquid Metal Reactor:

Technical options for the advanced liquid metal reactor, *Technical Options for the Advanced Liquid Metal Reactor* DIANE Publishing Company, 1994-07-01 Disposing of plutonium from warheads is one of the more intractable problems that remain as a legacy of the Cold War nuclear race The Advanced Liquid Metal Reactor Program ALMR is one technology proposed for solving the problem This report examines the history and status of the ALMR project Charts and tables

Technical Options for the Advanced Liquid Metal Reactor, 1994 **Liquid Metal Reactors** United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Energy and Power, 1994 *Monthly Catalogue, United States Public Documents*, 1995 **Liquid Metal Fast Breeder Reactor Program: sec. 6. Alternative technology options** U.S. Atomic Energy Commission, 1974 Scientific and Technical Advice for the U.S. Congress United States. Congress. House. Committee on Science, 2006 **Annual Report to the Congress for ...** United States. Congress. Office of Technology Assessment, 1993 *Nuclear Safeguards and the International Atomic Energy Agency*, 1995 **Nuclear safeguards and the International Atomic Energy Agency : report.**, 1995 From the dawn of the nuclear age nuclear power has been recognized as a dual use technology The same nuclear reactions that give bombs the destructive force of many thousands of tons of high explosive can when harnessed in a controlled fashion produce energy for peaceful purposes The challenge for the international nuclear nonproliferation regime the collection of policies treaties and institutions intended to stem the spread of nuclear weapons is to prevent nuclear proliferation while at the same time permitting nuclear energy s peaceful applications to be realized One of the key institutions involved in meeting these two objectives is the International Atomic Energy Agency IAEA an international organization created in 1957 as a direct outgrowth of president Eisenhower s Atoms for Peace program The IAEA Statute which creates the legal framework for the agency charges it to accelerate and enlarge the contribution of atomic energy to peace health and prosperity throughout the world At the same time it gives the agency the authority to enter into so called safeguards agreements with individual nations or groups of nations to ensure that nuclear materials equipment or facilities are not used to produce nuclear weapons The IAEA s mission and its safeguards responsibilities were extended with the enactment in 1970 of the Treaty on the Non Proliferation of Nuclear Weapons also known as the Non Proliferation Treaty or NPT The Treaty requires non nuclear weapon states that are parties to the accord to enter into safeguards agreements with the IAEA covering all nuclear materials on their territory e g uranium and plutonium whether in forms directly usable for weapons or forms that require additional processing before becoming usable in weapons

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infinite descent and fermat famously wrote in the margin of one of his books in

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