



NNSA Overview

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— PERMANENT THREAT REDUCTION —

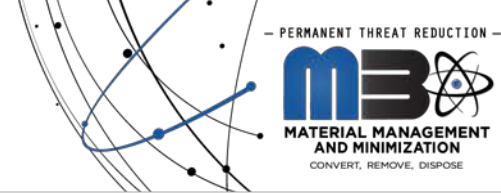


**MATERIAL MANAGEMENT
AND MINIMIZATION**

CONVERT, REMOVE, DISPOSE

Material Management and Minimization (M³)

Achieving Permanent Threat Reduction by Managing and Minimizing Nuclear Materials



Convert

Convert research reactors and isotope production facilities to non-weapon-useable nuclear material both domestically and abroad

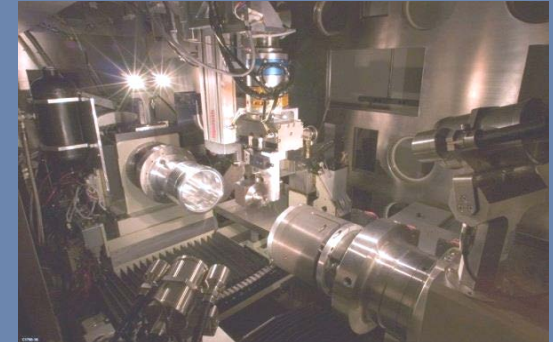
- Research Reactor Conversion
- Mo-99 Production



Remove

Remove or confirm the disposition of excess weapon-useable nuclear material at civilian facilities across the globe and consolidate those materials that remain

- International Nuclear Material Removal
- International Nuclear Material Down-blending

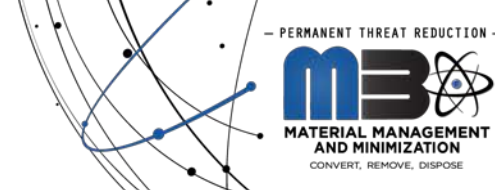


Dispose

Dispose of and manage excess weapon-useable nuclear material, from both domestic stockpiles and material returned from abroad, and implement the Plutonium Management Disposition Agreement (PMDA) with Russia

- HEU and Plutonium Disposition
- Uranium Supply for Peaceful Uses

National Academy of Sciences Independent Review



- In FY 2017, DOE/NNSA directed by HEWD to commission NAS to conduct an independent review of DOE's conceptual plans to dispose of surplus plutonium in WIPP
- NAS will evaluate the general viability of DOE's plans to support U.S. commitments under the PMDA, identify gaps, and recommend actions to address those gaps.