CPPNM &
Amendment
Article 2A: U.S.
Nuclear Industry

March 12, 2024







The Convention on the Physical Protection of Nuclear Material (CPPNM) and its Amendment





International Cooperation **Physical Protection** Offences Intentional unauthorised acts involving nuclear material Cooperation and assistance Threat to use nuclear material in connection with criminal to cause harm. proceedings and physical Nuclear material in protection systems Theft or robbery of nuclear international transport material Information exchange to protect or recover unlawfully Ancillary offences (attempt taken material to commit a listed offence and participation therein) in addition in addition in addition Smuggling of nuclear material Nuclear facilities, and nuclear material in domestic Sabotage of nuclear facilities use, storage and transport Coverage of "substantial Expanded cooperation. damage to the environment" Physical protection regime assistance and information (e.g. establishment of a sharing in case of sabotage New ancillary offences legislative and regulatory organisation or direction of framework, competent others to commit a listed authority) offence)

Amendment to the Convention - 2A Principles



Regulatory Framework & Competent Authority

- Atomic Energy Act that originated in 1954 and amended since, establishes the policy and regulatory framework similar and consistent with the CPPNM
- The Act designated the U.S. Nuclear Regulatory Commission (NRC) as the competent authority
- The NRC ensures safeguards and security by regulating licensees' (a) accounting systems for special nuclear and source materials and (b) security programs and contingency plans
- NRC regulations are consistent with the CPPNM and its Amendment

2A Principles, cont'd.



Responsibilities of Licensees:

- Adhere to the NRC's regulations
- NEI assists industry with consistent implementation of the requirements: guidance documents, working groups, conferences, and training

Security Culture:

- Cohesiveness of industry
- NEI Committees, Working Groups, Task Forces

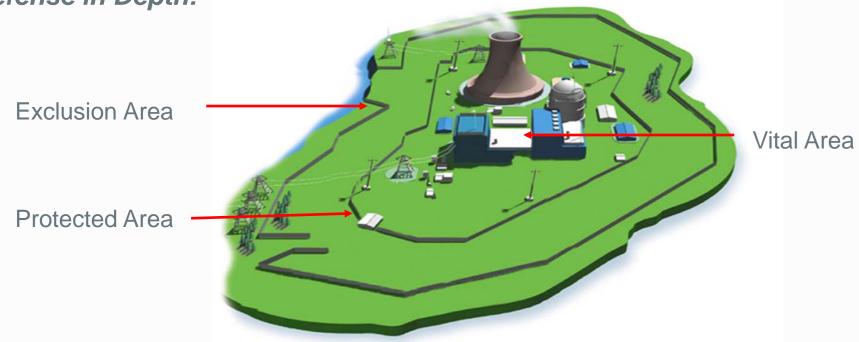
Threat:

- Evaluation of the threat is accomplished multiple ways:
 - NRC's Threat Assessment Program
 - NEI's coordination with Federal intelligence agencies

2A Principles, cont'd.



Defense in Depth:



2A Principles, cont'd.



Quality Assurance:

•NRC inspection regime assures adherence to physical security requirements

Contingency Plans:

- Armed response capability
- Evaluated every three years Force on Force exercises
- Agreements with local law enforcements

Confidentiality:

- Classified Information
- Safeguards Information (SGI)
- Sensitive Unclassified Non-Safeguards Information (SUNSI)



Questions & Discussion

Susan Perkins

Senior Advisor Security & Incident Preparedness <u>shp@nei.org</u>