### Fuel Cycle Cyber Sense



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#### **Overview**



- Welcome
- Organizational changes
- Cyber Security for Fuel Facilities
  - Principles of Good Regulation
  - Threat
  - Vulnerabilities & Consequences
- Path Forward









### **Cyber & Fuel Facilities**



- Principles of Good Regulation
  - Independence
  - Openness
  - Efficiency
  - Clarity
  - Reliability
- Regulatory basis development
- NRC approach (2011-2014)





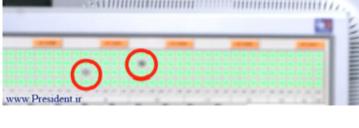
- Advanced Persistent Threat
- General Credible Threat for Nuclear Facilities
- Prognosis



### **Fuel Facilities**









## Vulnerabilities & Consequences



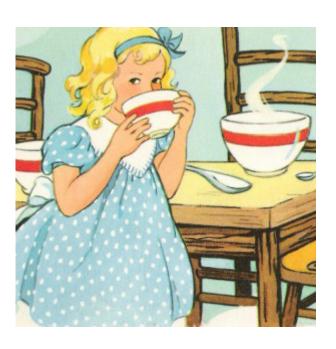


- Part 70 regulatory basis
- Focus on safety, security, safeguards, and emergency preparedness functions
- Extensive interactions to understand and assess
- Options for how best to proceed

# "Just Right" Regulation

- Safe and secure
- Proactive, not reactive
- Open and transparent
- Reliable
- Independent
- Efficient
- Clear
- Harmonized
- Constructive
- Prioritized
- Holistic





### **Path Forward**



- Not yet "there"
- Seek your cooperation as we move forward
- Protect critical systems
- Engage at FCIX



### **Discussion**



