

**Douglas M. Osborn**  
Principal Member of Technical Staff

P.O. Box 5800  
Albuquerque, NM 87185-0789

Phone: (505) 844-1127  
Cell: (505) 321-9338  
Fax: (505) 844-6067  
Email: dosborn@sandia.gov

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Mr. Dante Johnson  
Office of Nuclear Security and Incident Response  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Dear Mr. Johnson:

Sandia National Laboratories (SNL) would like to formally request the following current regulatory guidance documents which are listed as safeguards information (SGI) and official use only – security related information (OUO-SRI), respectively;

- Regulatory Guide 5.76, “Physical Protection Programs at Nuclear Power Reactors,” and
- Regulatory Guide 5.81, “Target Set Identification and Development for Nuclear Power Reactors”

Review of these documents will help me (DOE-Q clearance) and those listed below in support of the U.S. Department of Energy Office of Nuclear Energy’s Light Water Reactor Sustainability Program – Physical Security Pathway.

- Fredrick M. McCrory (SNL) – DOE-Q clearance
- Gregory D. Wyss (SNL) – DOE-Q clearance
- Adam D. Williams (SNL) – DOE-Q clearance
- Susan A. Caskey (SNL) – DOE-Q clearance
- Andrew J. Clark (SNL) – DOE-Q clearance
- Chad W. Monthan (SNL) – DOE-Q clearance
- Dusty M. Brooks (SNL) – DOE-Q clearance
- Andrew D. Thompson (SNL) – DOE-Q clearance

Specifically, these documents will help inform research associated with advancements in methods and tools as applied to risk-informed physical security. Examples of such research advancements include the following:

- An approach for developing risk-informed adversary timelines,
- Dynamic linking of force-on-force modeling with reactor system response modeling, and
- Investigation into an overarching risk-informed approach considering integrations of system theoretic process analysis (STPA), multi-objective decision analysis (MODA), and risk-informed management of enterprise security (RIMES) with probabilistic risk assessment (PRA).

I will be the point of contact for transmission and receipt of the requested information. If you have any questions or comments, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Osborn', written over a horizontal line.

Douglas M. Osborn, PhD  
Principal Investigator  
International Nuclear Security Engineering Department  
Sandia National Laboratories