

January 29, 2013

MEMORANDUM TO: Sandra L. Wastler, Chief  
Materials and Waste Security Branch  
Division of Security Policy  
Office of Nuclear Security and Incident Response

FROM: Susan H. Stuchell, Senior Security Specialist */RA/*  
Materials and Waste Security Branch  
Division of Security Policy  
Office of Nuclear Security and Incident Response

SUBJECT: CLASSIFIED MEETING TO DISCUSS SECURITY FOR FACILITIES  
STORING SPENT NUCLEAR FUEL AND DG-5033, "SECURITY  
PERFORMANCE (ADVERSARY) CHARACTERISTICS FOR  
PHYSICAL SECURITY PROGRAMS FOR TITLE 10 OF THE *CODE  
OF FEDERAL REGULATIONS* PART 72 LICENSEES."

DATE & TIME: Monday, March 4, 2013  
9:30 a.m. – 5:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North, T-2B3  
11555 Rockville Pike  
Rockville, Maryland 20852

PURPOSE: The U.S. Nuclear Regulatory Commission (NRC) will discuss security  
assessment studies (SA) with affected stakeholders for the  
forthcoming security rulemaking to revise Title 10 of the *Code of  
Federal Regulations* (10 CFR) Parts 72, "Licensing Requirements for  
the Independent Storage of Spent Nuclear Fuel, High-Level  
Radioactive Waste, and Reactor-Related Greater Than Class C  
Waste," and Part 73, "Physical Protection of Plants and Materials,"  
These SA were used to inform the regulatory basis for the rulemaking  
which will issue new risk informed and performance-based security  
regulations for Spent Nuclear Fuel (SNF) and High-Level Waste (HLW)  
storage facilities. The draft regulatory basis was published in the  
*Federal Register* (FR) on December 16, 2009 (74 FR 66589).

CONTACT: Susan H. Stuchell, NSIR/DSP  
301-415-2240  
[susan.stuchell@nrc.gov](mailto:susan.stuchell@nrc.gov)

The NRC will also discuss draft DG-5033, "Security Performance (Adversary) Characteristics for Physical Security Programs for 10 CFR Part 72 Licensees." This draft guide describes methods that the staff considers acceptable for licensees and applicants to employ to comply with the Commission's regulations on physical security measures for licensees authorized to store SNF in an Independent Spent Fuel Storage Installation and for licensees authorized to store SNF and/or HLW in a monitored retrievable storage installation.

Additionally, the NRC conducted proof of concept testing on one-dimensional surrogates designed to resemble cask lids and sides January 7 – 10, 2013. The outcome of the effort will be used to help resolve stakeholder issues surrounding the Commission's direction to use a dose-based approach verse a design-basis threat approach. The test plan and observations from the testing will be discussed.

**CLEARANCES:**

All expected attendees must register with the NRC meeting contact via email by close of business on February 20, 2013. Attendees must provide their full name, company/organization, last four of social security number, phone number, acknowledgement of current access to Classified Information, and basis for need-to-know in order to verify that they are cleared for access to the information.

No electronic devices will be allowed in the meeting room during the meeting, this includes cell phones, laptops, pagers, PDA's, etc. All attendees are to use the One White Flint North entrance. The NRC is accessible to the White Flint Metro Station. Visitor parking near the NRC buildings is limited. Parking is available at the White Flint Metro Station using the Metro Smart Card.

Classified information will be discussed during this meeting. As appropriate, this meeting will be closed to members of the public who do not meet the standards above.

S. Wastler

-3-

PARTICIPANTS: Participants include representatives from the NRC Offices of Nuclear Security and Incident Response (NSIR), Research (RES), Nuclear Materials Safety and Safeguards (NMSS) and members of industry, the Nuclear Energy Institute, Department of Energy (DOE) and DOE laboratories.

NRC

S. Stuchell, NSIR  
P. Brochman, NSIR  
S. Wastler, NSIR  
J. Pires, RES  
M. Salay, RES  
D. Forsyth, NMSS  
M. Rahimi, NMSS

Others

Nuclear Energy Institute  
Industry  
DOE

Enclosure:  
Meeting Agenda

cc w/encl: See next page

**PARTICIPANTS:** Participants include representatives from the NRC Offices of Nuclear Security and Incident Response (NSIR), Research (RES), Nuclear Materials Safety and Safeguards (NMSS) and members of industry, the Nuclear Energy Institute, Department of Energy (DOE) and DOE laboratories.

NRC

S. Stuchell, NSIR  
P. Brochman, NSIR  
S. Wastler, NSIR  
J. Pires, RES  
M. Salay, RES  
D. Forsyth, NMSS  
M. Rahimi, NMSS

Others

Nuclear Energy Institute  
Industry  
DOE

Enclosure:  
Meeting Agenda

cc w/encl:  
See next page

DISTRIBUTION:

SStuchell	PBrochman	SWastler	MLayton
CLui	MRahimi	DForsyth	MLombard
JPires	MSalay	RHogan	MCase
RCorreia	NStAmour	MYoung	JHickman
OWFN Receptionist (hard copy)			
TWFN Receptionist (hard copy)			
RidsAdmMail			
RidsOgcMailCenter			
RidsAcrsAcnwMailCenter			

ADAMS Accession No: ML13024A196

OFFICE	NSIR/DSP/MWSB	NSIR/DSP
NAME	SStuchell	S. Wastler
DATE	1/29/13	1/29/13

**OFFICIAL RECORD COPY**

**Draft Meeting Agenda for March 4, 2013**  
**9:00 a.m. – 5:00 p.m.**

Purpose: Classified Meeting to Discuss Security for Facilities Storing Spent Nuclear Fuel and DG-5033, "Security Performance (Adversary) Characteristics for Physical Security Programs for 10 CFR Part 72 Licensees."

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 a.m. - 9:30 a.m.	Check in / Security Verification	NRC
9:30 a.m.- 9:45	Administrative Remarks Welcome	NSIR
9:45 a.m. -	Spent Fuel Vulnerability Assessment Report	SNL
10:45 a.m. - 11:00 a.m.	Break	
11:00 a.m. - 12:15 a.m.	Spent Fuel Vulnerability Assessment Report	NMSS, RES
12:15 Noon - 1:00 p.m.	Lunch	
1:00 p.m. - 1:30 p.m.	Discussion Spent Fuel Vulnerability Assessment Report	All
1:30 p.m. - 2:00 p.m.	DG 5033	NSIR
12:00 Noon - 1:00 p.m.	Discussion DG 5033	All
1:00 p.m. - 3:00 p.m.	Phase One Testing	NSIR, SNL, RES
3:00 p.m. 3:15 p.m.	Break	
3:15 p.m. 4:30 p.m.	Discussion Phase One Testing	All
4:30 p.m. 5.00 p.m.	Closing Remarks	NRC

## Distribution List A

Part 50 and Part 72 Licensees

COMPANY/PLANT	SAFEGUARDS CONTACT	E-MAIL
CONSTELLATION - HEADQUARTERS	Ron Teed	Ron.Teed@constellation.com
DOMINION - HEADQUARTERS	Nelson Martin	nelson.martin@dom.com
DUKE - HEADQUARTERS	Tim Wadsworth	Timothy.Wadsworth@duke-energy.com
ENERGY NORTH - HEADQUARTERS	Michael A. Balduzzi	mbalduz@energy.com
ENERGY SOUTH - HEADQUARTERS	Lesley A. England	<a href="mailto:Lenglan@energy.com">Lenglan@energy.com</a>
EXELON - HEADQUARTERS	Chris Kelley	<a href="mailto:christopher.kelley@exeloncorp.com">christopher.kelley@exeloncorp.com</a> ;
FENOC - HEADQUARTERS	Joseph D. Hagan	jdhagan@firstenergycorp.com;
FPL - HEADQUARTERS	Bobby Bitner	Bobby.Bitner@fpl.com
PROGRESS - HEADQUARTERS	Andrew Frahm	Andrew.Frahm@pgnmail.com
SOUTHERN - HEADQUARTERS	Keith Wooten	kdwooten@southernco.com
TVA - HEADQUARTERS	Shannon C. Dent	scdent@tva.gov
XCEL ENERGY - HEADQUARTERS	Andy Black	Andy.Black@xenuclear.com
SINGLE SITES		
Callaway	Kenneth R. Weith	KWeith@ameren.com
Columbia	Maurice C. Peterson	<a href="mailto:MCPETERSON@energy-northwest.com">MCPETERSON@energy-northwest.com</a>
Comanche Peak	Herb Kenyon	Herb.Kenyon@Luminant.com
Cook	Larry Smead	llsmead@aep.com
Cooper	Patrick L. Carlock	plcarlo@nppd.com
Diablo Canyon	Tim Graf	TAG3@pge.com
Fermi	Mark Findlay	<a href="mailto:findlaym@dteenergy.com">findlaym@dteenergy.com</a>
Fort Calhoun	Terri Herman	<a href="mailto:therman@oppd.com">therman@oppd.com</a>
Lacrosse	Michael Brasel	mab@dairynet.com
Palo Verde	Jack A. Kruth	Jack.Knuth@aps.com

Rancho Seco	Einar Ronningen	<a href="mailto:Einar.Ronningen@SMUD.org">Einar.Ronningen@SMUD.org</a>
Salem/Hope Creek	Bill Guthrie	<a href="mailto:William.Guthrie@pseg.com">William.Guthrie@pseg.com</a>
San Onofre	Clay Williams	<a href="mailto:Clay.Williams@SCE.com">Clay.Williams@SCE.com</a>
South Texas	Debbie Gomez	dagomez@STPEGS.COM
Summer	Gregg Douglass	gdouglass@scana.com
Susquehanna	Frank Lauri	fclauri@pplweb.com
Wolf Creek	Scott W. Good	scgood@wcnoc.com
<b>DECOMMISSIONED SITES</b>		
Trojan	Carl Storms	carl.storms@pgn.com
CT Yankee	James Lenois	<a href="mailto:jlinois@3yankees.com">jlinois@3yankees.com</a>
Maine Yankee	James Connell	jconnell@3yankees.com
Yankee Atomic	Robert Mitchell	bmitchell@3yankees.com

*Other Organizations*

<b>Organization</b>	<b>SAFEGUARDS CONTACT</b>	<b>E-MAIL</b>
Nuclear Energy Institute	Jerud Hanson	<a href="mailto:JEH@nei.org">JEH@nei.org</a>
Union of Concerned Scientist	Edwin Lyman	<a href="mailto:ELyman@ucsusa.org">ELyman@ucsusa.org</a>
Sandia National Laboratories	Felicia A. Duran	<a href="mailto:FADuran@sandia.gov">FADuran@sandia.gov</a>
Argonne National Laboratory	Yung Y. Liu	<a href="mailto:yliu@anl.gov">yliu@anl.gov</a>
Safe/Secure Transport of Radioactive Material	Ronald Pope	<a href="mailto:poper787@comcast.net">poper787@comcast.net</a>
NAC International	Peter Aucoin	<a href="mailto:paucoin@nacintl.com">paucoin@nacintl.com</a>
Holtec International	Luis Hinojosa	L.Hinojosa@Holtec.com

## **Distribution List B**

### *Part 50 and Part 72 Licensees*

FT ST. VRAIN, TMI-2, & ISF ISFSIs  
DEPARTMENT OF ENERGY  
IDAHO OPERATIONS OFFICE  
Attn: JAN HAGERS and DENNIS MIOTLA  
1955 FREMONT AVE  
IDAHO FALLS, ID 83401

PFS ISFSI  
PRIVATE FUEL STORAGE, LLC  
Attn: JOHN PARKYN  
P. O. BOX C4010  
LA CROSSE, WI 54602-4010

HUMBOLDT BAY ISFSI  
PACIFIC GAS & ELECTRIC CO  
Attn: TERRY GREBEL  
P. O. BOX 56  
AVILA BEACH, CA 93424

BIG ROCK POINT ISFSI  
CONSUMERS ENERGY COMPANY  
Attn: KURT HASS  
10269 US-31 N  
CHARLEVOIX, MI 49720

GE MORRIS ISFSI  
GENERAL ELECTRIC CO  
Attn: JAMES ELLIS  
7555 E COLLINS ROAD  
MORRIS, IL 60450-9740

### *Industry Organizations*

ELECTRIC POWER RESEARCH  
INSTITUTE  
Attn: A. SOWDER, A. MACHIELS  
P.O. BOX 217097  
CHARLOTTE, NC 28221