



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

February 2, 2000

MEMORANDUM TO:

Harold O. Christensen, Acting Chief  
Operator Licensing, Human Performance  
and Plant Support Branch  
Division of Inspection Program Management  
Office of Nuclear Reactor Regulation

FROM:

Richard P. Rosano, Chief *for Jim Clith*  
Reactor Safeguards Section  
Operator Licensing, Human Performance  
and Plant Support Branch  
Division of Inspection Program Management  
Office of Nuclear Reactor Regulation

SUBJECT:

MINUTES OF THE JANUARY 19, 2000 PUBLIC MEETING WITH  
THE NUCLEAR ENERGY INSTITUTE CONCERNING THE  
DEFINITION RADIOLOGICAL SABOTAGE AND THE NRC REVIEW  
OF INDUSTRY'S PROPOSED SELF-ASSESSMENT PROGRAM IN  
REACTOR SAFEGUARDS

On January 19, 2000, the NRC staff held a public meeting with representatives from the Nuclear Energy Institute (NEI), industry, and the public. The purposes of this facilitated, working meeting were to incorporate stakeholder concerns and comments into the development of a detailed definition of the term radiological sabotage and to present NRC review comments regarding the industry's proposed Self-Assessment Program for reactor safeguards.

An NEI representative and an NRC staff member facilitated the discussions regarding the definition of radiological sabotage. The discussions resulted in the development of four criteria for evaluation of proposed definitions of radiological sabotage. These agreed upon criteria are stated in Attachment 1. In addition, Attachment 1 contains topical listings of salient points of the discussions and the handouts regarding the definition of radiological sabotage that were provided at the meeting.

The NRC provided overall positive remarks regarding the industry's proposed Self-Assessment Program for reactor safeguards. Minor comments were presented and accepted by NEI.

The information in Attachment 1 summarizes the discussions that occurred between the NRC staff, NEI representatives and the public and is not intended as a verbatim record of this meeting. Attachment 2 contains a list of attendees.

Contact: Jesse A. Arildsen, NRR  
301-415-1026

**NRC FILE CENTER COPY**

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Weekly public meetings were scheduled for subsequent Thursdays through April 27, 2000 to further facilitate stakeholder communications through continued working level discussions on this subject and other reactor safeguards issues related to risk informing 10 CFR Part 73. The first of these meetings was scheduled for January 27, 2000. However, inclement weather resulted in the cancellation of that meeting. The next public meeting on this subject is currently scheduled to be held on February 3, 2000 at 8:30 a.m. in Room O-11 B2 of One White Flint North, 11555 Rockville Pike, Rockville, Maryland.

Attachments: As stated

cc: R. Beedle, NEI  
R. Enkeboll, NEI  
J. Brons, NEI

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DATE	02/2/00	02/2/00	

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## **AGREED UPON PORTIONS OF A RULE**

- 1). Deliberate malevolent act
- 2). Directed against the plant
- 3). Which endangers public health and safety
- 4). By exposure to radiation such that:
  - ...the criteria of 10 CFR 100 is exceeded  
or
  - ...a General Emergency is reached

# **RULE CHARACTERISTICS FOR CLARITY**

- 1) **DISTINCT FROM ACCIDENT SPACE WITH A CLEARLY DEFINED BOUNDARY WHERE THE SECURITY INITIATING EVENT IS REASONABLY TERMINATED AND THE FOCUS OF PLANT RESPONSE SHIFTS TO OPERATIONS. THIS BOUNDARY SHOULD BE WITHIN THE OPERATIONAL APPLICABILITY OF EOPs AND NOT IN THE REALM OF THE ACCIDENT MANAGEMENT GUIDELINES.**
- 2) **OUTCOMES-BASED TO THE EXTENT THAT IT SPECIFIES AN UNACCEPTABLE END STATE, AGAINST WHICH THE IMPLEMENTATION PROCEDURES WILL PROTECT**
- 3) **EXISTING OVERSIGHT AND ASSESSMENT FUNCTIONS (BASE-LINE INSPECTIONS AND IPEs) SHOULD BE COMPATIBLE**

# **EVALUATION CRITERIA**

## **PRIMARY CONSIDERATIONS:**

### **1). POWER REACTOR SPECIFIC**

### **2). MARGIN/SAFETY:**

- **NET IMPACT ON SAFETY (SAFETY/SAFEGUARDS INTERFACE)**
- **DEFENSE IN DEPTH**
- **PROTECTS PUBLIC**
- **CONSERVATIVE**
- **UNACCEPTABLE RELEASE**

### **3). OUTCOMES MEET GOALS:**

- **MAINTAINS PUBLIC CONFIDENCE**

### **4). USABLE:**

- **CLEAR AND PRAGMATIC**
- **ENDURING (INDEPENDENT OF DB THREAT)**
- **MEASURABLE AND OBJECTIVE**
- **CONSISTENT (REGULATIONS AND CORNERSTONES)**

## **SECONDARY CONSIDERATIONS:**

- **DESIGN-BASIS THREATS (ENEMY OF THE STATE)**
- **INTEGRATED PLANT RESPONSE**
- **COST BENEFICIAL**
- **RELATED TO RELEASE**
- **PERFORMANCE-BASED AND RISK-INFORMED**
- **DEALS WITH UNCERTAINTY**
- **FACILITATES GOVERNMENT RESPONSE**
- **INDUSTRIAL SABOTAGE RESPONSES DO NOT INTERFERE**

<b>Attendance List</b> <b>NRC and NEI Meeting</b> <b>January 19, 2000</b>
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On January 19, 2000, the following individuals attended the public meeting between the Nuclear Regulatory Commission and the Nuclear Energy Institute held in Room O-16 B4 of One White Flint North, Rockville, Maryland.

<u>NAME</u>	<u>ORGANIZATION</u>	<u>TELEPHONE NUMBER</u>
Frank Gillespie	NRC, NRR	301-415-1267
Dick Rosano	NRC, NRR	301-415-3282
Jesse Arildsen	NRC, NRR	301-415-1026
Robert Skelton	NRC, NRR	301-415-3309
Dennis Gordon	NRC, NRR	301-415-1162
Sandra Frattali	NRC, NRR	301-415-3703
Chris Christensen	NRC, NRR	301-415-1031
David Thompson	NRC, RII	404-562-4647
Gregory Smith	NRC, RI	610-337-5263
James Creed	NRC, RIII	630-829-9857
R. L. Sullivan	NRC, NRR	301-415-1123
Falk Kantor	NRC, NRR	301-415-2907
Kathryn Winsberg	NRC, OGC	301-415-1641
Edwin Fox	NRC, NRR	301-415-2908
Richard E. Enkeboll	NEI	202-739-8102
Jim Davis	NEI	202-739-8105
Lance Terry	Texas Utilities Electric	254-897-8920
Jerry Sims	Southern Company	205-992-5716
Douglas Gipson	DTE	734-586-5201
John McGaha	Entergy	601-368-5690
Bill Josiger	NYP&A	914-681-6846
Lonnie Wilkerson	Monticello	612-295-1321
Craig Seaman	PWE	623-393-2099
Ron Teed	Ginna	716-771-3232
Hugh McNally	Limerick	610-718-2045
Robert Allen	Con Edison	914-734-5129
William Ruolph	Palo Verde	623-393-1880
A. David Huttie	Palo Verde	623-393-2736
John Blosser	Callaway	573-676-8190
Chris Kelley	TVA	423-751-3187
Thomas Mahon	Perry	440-280-5314
Tommy Byers	Duke Power	803-831-3761
Raymond Burski	Entergy	601-368-5824
Garland Gibson	PSEG	856-339-2244
Greg Jaczko	Congressional Staff (Rep. Markey)	202-225-2836
Jenny Weil	McGraw Hill	202-383-2161
Edwin Lyman	Nuclear Control Institute	202-822-8444

**ATTACHMENT 2**  
**NRC Public Meeting, January 19, 2000**

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