

**Official Transcript of Proceedings**  
**NUCLEAR REGULATORY COMMISSION**

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Open Session

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UNITED STATES NUCLEAR REGULATORY COMMISSION'S  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

The contents of this transcript of the proceeding of the United States Nuclear Regulatory Commission Advisory Committee on Reactor Safeguards, as reported herein, is a record of the discussions recorded at the meeting.

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UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

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653rd MEETING

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

(ACRS)

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OPEN SESSION

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THURSDAY

MAY 3, 2018

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ROCKVILLE, MARYLAND

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The Advisory Committee met at the Nuclear  
Regulatory Commission, Two White Flint North, Room  
T2B1, 11545 Rockville Pike, at 8:30 a.m., Michael L.  
Corradini, Chairman, presiding.

COMMITTEE MEMBERS:

MICHAEL L. CORRADINI, Chairman

RONALD G. BALLINGER, Member

DENNIS C. BLEY, Member

CHARLES H. BROWN, JR. Member

MARGARET SZE--TAI Y. CHU, Member

VESNA B. DIMITRIJEVIC, Member

1 WALTER L. KIRCHNER, Member

2 JOSE MARCH-LEUBA, Member

3 DANA A. POWERS, Member

4 JOY L. REMPE, Member

5 PETER RICCARDELLA, Member

6 GORDON R. SKILLMAN, Member

7 JOHN W. STETKAR, Member

8 MATTHEW SUNSERI, Member

9

10 DESIGNATED FEDERAL OFFICIAL:

11 CHRIS BROWN

12 KATHY WEAVER

13

14 ALSO PRESENT:

15 TIM DRZEWIECKI, NRO

16 JAMES GILMER, NRO

17 JAEHOON JEONG, KNF

18 MOHSEN KHATIB-RAHBAR, Energy Research, Inc.

19 JUNGHO KIM, KHNP

20 SHANLAI LU, NRO

21 JIYONG (ANDY) OH, KHNP

22 JUHYUN PARK, KNF

23 ROB SISK, Westinghouse

24 JEUNGHYO SONG, KHNP

25 JAMES STECKEL, NRO

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JEONGKWAN SUH, KHNP  
ROBERT SWEENEY, KHNP/AECOM\*  
WALTER TAUCHE, Energy Research, Inc.\*  
ANDREA D. VEIL, Executive Director, ACRS  
WILLIAM WARD, NRO

\*Present via telephone

## P R O C E E D I N G S

(8:30 a.m.)

CHAIR CORRADINI: Okay, the meeting will come to order.

This is the first day of the 653rd Meeting of the Advisory Committee on Reactor Safeguards. During today's meeting the committee will consider the following:

The APR1400 Large Break Loss of Coolant Accident, which will be a closed session. So we'll go immediately into closed session following our announcements. And the preparation of ACRS reports.

The ACRS was established by statute and is governed by the Federal Advisory Committee Act, or FACA. As such, this meeting is being conducted in accordance with the provisions of FACA. That means that the committee can only speak through its published letter reports.

We hold meetings to gather information to support our deliberations. Interested parties who wish to provide comments can contact our offices requesting time after the Federal Register Notice describing a meeting is published. That said, we also set aside 10 minutes for extemporaneous comments from members of the public who are listening to our

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1 meetings. Written comments are welcome.

2 Mr. Christopher Brown is the Designated  
3 Federal Official for the initial portion of this  
4 meeting. This session on APR1400 will be closed -- I  
5 had just mentioned that -- in order to discuss and  
6 protect designated proprietary information.

7 The ACRS section of the USNRC's public  
8 website provides our charter, bylaws, letter reports,  
9 and full transcripts for all our full and subcommittee  
10 meetings, including all the slides presented at those  
11 meetings.

12 We've received no written comments or  
13 requests to make oral statements from members of the  
14 public regarding today's session. There will be a  
15 phone bridge line. To preclude interruption of the  
16 meeting, the phone line will be placed in a listening-  
17 only mode during the presentations and committee  
18 discussions. And a transcript of portions of the  
19 meeting is being kept, and it is requested that  
20 speakers use only -- use one of the microphones,  
21 identify themselves, and speak with sufficient clarity  
22 and volume so they can be readily heard.

23 And just to remind everybody, please turn  
24 off your various appliances so they're on listen,  
25 quiet mode, or turned off.

1                   Please congratulate Dr. Joy Rempe for  
2 being appointed to her third term on the committee.

3                   (Applause.)

4                   CHAIR CORRADINI: And, finally, after many  
5 years of service as a member of the Advisory Committee  
6 on Reactor Safeguards, Dr. Dana Powers is retiring.  
7 On behalf of the committee I would like to thank Dana  
8 for his long and illustrious service, the longest and  
9 illustrious service, and congratulate him on his  
10 retirement.

11                   MEMBER POWERS: Thank you.

12                   (Applause.)

13                   MEMBER POWERS: I noticed the emphasis on  
14 long.

15                   CHAIR CORRADINI: I think, I think it's on  
16 the record "illustrious."

17                   Okay. So at this point I'm going to turn  
18 it over to Dr. Ballinger. But we're going to go into  
19 closed session.

20                   (Whereupon, the above-entitled matter went  
21 off the record at 8:32 a.m.)

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