

March 5, 2001

MEMORANDUM TO: Claudia M. Craig, Chief, Section 1  
Project Directorate III  
Division of Licensing Project Management

FROM: Darl S. Hood, Senior Project Manager, Section 1 */RA/*  
Project Directorate III  
Division of Licensing Project Management

SUBJECT: FORTHCOMING MEETING WITH CONSUMERS ENERGY COMPANY  
(CEC)

DATE & TIME: March 19, 2001, 8:00 a.m. to 4:00 p.m.  
March 20, 2001, 8:00 a.m. to 4:00 p.m.

LOCATION: Palisades Plant  
Training Building, Second Floor, Classroom G  
27780 Blue Star Memorial Highway  
Covert, Michigan 49043

PURPOSE: To obtain information from Palisades personnel as part of a generic NRC and Industry effort to determine if certain conservatisms in the current Pressurized Thermal Shock (PTS) Rule (10 CFR 50.61) should be revised. This will include a review of related emergency procedures and use of the Palisades simulator to review PTS relevant controls/indications and demonstrations of simulated PTS relevant scenarios. See enclosed agenda.

PARTICIPANTS:\* Participants from the NRC include members of the Office of Nuclear Regulatory Research (RES) and NRC contractors from Sandia National Laboratory (SNL), Science Applications International Corporation (SAIC), Buttonwood Consulting Company (BCC), and Oregon State University (OSU).

C. Craig

- 2 -

NRC and Contractors

H. Woods, RES  
D. Bessette, RES  
E. Thornsbury, RES  
J. Forrester, SNL  
A. Kolaczowski, SAIC  
D. Bley, BCC  
J. Reyes, OSU

CEC

J. Kneeland    C. Oberlin  
G. Baustian    G. Sleeper  
B. Brogan      R. Tucker  
C. Dahlgren    R. Vincent  
R. Frigo        P. Schmidt  
G. Jarka        et. al

Enclosure: Agenda

Docket No. 50-255

cc w/encl: See next page

CONTACT: H. Woods, RES  
(301) 415-6622

\*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, interveners, or other parties to attend as observers pursuant to "Commission Policy Statement on Staff Meetings Open to the Public" (65 *Federal Register* 56964, 9/20/00).

NRC and Contractors

H. Woods, RES  
D. Bessette, RES  
E. Thornsbury, RES  
J. Forrester, SNL  
A. Kolaczowski, SAIC  
D. Bley, BCC  
J. Reyes, OSU

CEC

J. Kneeland C. Oberlin  
G. Baustian G. Sleeper  
B. Brogan R. Tucker  
C. Dahlgren R. Vincent  
R. Frigo P. Schmidt  
G. Jarka et. al

Enclosure: Agenda

Docket No. 50-255

cc w/encl: See next page

CONTACT: H. Woods, RES  
(301) 415-6622

\*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, interveners, or other parties to attend as observers pursuant to "Commission Policy Statement on Staff Meetings Open to the Public" (65 *Federal Register* 56964, 9/20/00).

DISTRIBUTION

See attached list

OFFICE	PDIII-1/PM	PDIII-1/LA	RES	RES	PDIII-1/SC
NAME	DHood	SLittle for RBouling	HWood	TKing	CCraig
DATE	3/5/01	3/5/01	3/5/01	3/5/01	3/5/01

ACCESSION NO. ML010640260

OFFICIAL RECORD COPY

NOTICE OF MARCH 19-20, 2001 MEETING

DISTRIBUTION:

PUBLIC

PDIII-1 Reading

OGC

ACRS

B. Sheron

J. Zwolinski/S. Black

S. Bajwa

C. Craig

R. Bouling

J. Strasma, RIII

M. Ring, RIII

D. Hood

M. Satorius, EDO

A. Vogel, RIII

OPA

PMNS (Meeting announcement Coordinator)

H. Woods, RES

D. Besette, RES

E. Thornsby, RES

M. Cunningham

M. Mayfield

S. Malik

N. Siu

N. Chokshi

J. Rosenthal

## **AGENDA**

For March 19 and 20, 2001, Meeting Regarding Pressurized Thermal Shock (PTS) Rule

### **March 19, 2001:**

- 8:00-8:45am Introduction/Overview presentation
- Introduction of attendees (by both Palisades personnel and NRC)
  - Purpose/goals of meeting by NRC
  - Status of NRC PTS program
  - Views on the PTS issue by Palisades staff
- 8:45-9:30 Initiating Events/Accident Sequences presentation by NRC Contractors
- Review of relevant initiators
  - Overview of accident sequence types likely to be important
- 9:30-9:45 Break
- 9:45-10:15 Human Actions presentation by NRC Contractors
- Overview of human actions likely to be important in PTS sequence modeling
- 10:15-10:45 Brief overview Presentation on Thermal Hydraulic aspects of analyses
- Examples of types of analyses being conducted for Oconee and Beaver Valley
  - “Needs” in order to produce Palisades analyses
- 10:45-11:30 Presentation by Palisades staff on status/current results of Palisades work for PTS
- 11:30-Noon Overview regarding procedures and simulator exercises planned for the 2-day meeting (may include observation of some PTS-related or severe over-cooling scenarios with an actual crew).
- Lunch
- Afternoon
- 1) Walk-through of the simulator to review PTS relevant controls/indications (e.g., locations of main feedwater/auxiliary feedwater controls, steam generator pressure/level indications, sub-cooling indications, recirculation pump trip controls, primary coolant system temperature readouts, etc.)
  - 2) Observation of simulator exercises.
  - 3) Technical working sessions involving the systems and sequence analysis, thermal hydraulic, and training/operations/human reliability analysis (HRA) areas. In general, this will cover:
    - Any information needs or questions the NRC has so it can properly review the Palisades analyses (e.g., licensee may discuss recent plant changes)
    - Review and discussion regarding modeling and analyses to date
    - Discussions regarding thermal hydraulic modeling needs and issues

*Enclosure*

**March 20, 2001:**

Morning      Continue the technical working sessions involving the systems and sequence analysis, thermal hydraulic, and training/operations/HRA areas; as well as any additional simulator exercise observations.

Lunch

Afternoon    (1) Continue the technical working sessions involving the systems and sequence analysis, thermal hydraulic, and training/operations/HRA areas; as well as any additional simulator exercise observations.

(2) Summary of meeting progress, additional information requests, plans/schedule for going forward

(3) Setting up points of contact

Palisades Plant

cc:

Mr. John Paul Cowan  
Site Vice President  
Palisades Plant  
27780 Blue Star Memorial Highway  
Covert, MI 49043

Mr. Robert A. Fenech, Senior Vice President  
Nuclear, Fossil, and Hydro Operations  
Consumers Energy Company  
212 West Michigan Avenue  
Jackson, MI 49201

Arunas T. Udrys, Esquire  
Consumers Energy Company  
212 West Michigan Avenue  
Jackson, MI 49201

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4351

Jerry Sarno, Supervisor  
Covert Township  
P. O. Box 35  
Covert, MI 49043

Office of the Governor  
P. O. Box 30013  
Lansing, MI 48909

U.S. Nuclear Regulatory Commission  
Resident Inspector's Office  
Palisades Plant  
27782 Blue Star Memorial Highway  
Covert, MI 49043

Drinking Water and Radiological  
Protection Division  
Michigan Department of  
Environmental Quality  
3423 N. Martin Luther King Jr Blvd  
P. O. Box 30630 CPH Mailroom  
Lansing, MI 48909-8130

Michigan Department of Attorney General  
Special Litigation Division  
630 Law Building  
P.O. Box 30212  
Lansing, MI 48909

Mr. Nathan L. Haskell, Director  
Licensing and Performance Assessment  
Palisades Plant  
27780 Blue Star Memorial Highway  
Covert, MI 49043