

ML232

May 12, 1982

MEMORANDUM FOR D. Okrent, Chairman
ACRS Subcommittee on Midland Plant Units 1 & 2

FROM: D. C. Fischer, Reactor Engineer

SUBJECT: TENTATIVE SCHEDULE FOR THE ACRS SUBCOMMITTEE
MEETING ON MIDLAND PLANT UNITS 1 & 2 - MAY 20-21, 1982
WASHINGTON, D.C.

Attached is a tentative schedule for the subject meeting. The purpose of the meeting is to review the application of Consumers Power Company for a license to operate Midland Plant Units 1 & 2.

The meeting will begin at 8:30 a.m. on Thursday, May 20th. The meeting will be held at the Midland Holiday Inn, 1500 Wackerly Rd., Midland, MI. Attendance by the following ACRS members and consultants is anticipated and hotel reservations have been made at the Midland Holiday Inn for the nights indicated below. If you are unable to make the meeting, please call us or the hotel and cancel your reservations so that we are not billed.

| | <u>Nights of</u> |
|-----------------------|------------------|
| D. Okrent | 19th & 20th |
| W. Mathis | " |
| D. Moeller | " |
| C. Siess | " |
| P. Davis | " |
| E. Epler | " |
| W. Lipinski | " |
| F. Parker | 20th |
| P. Pomeroy (partial) | 20th |
| R. Scavuzzo | 19th & 20th |
| M. Trifunac (partial) | 20th |
| Z. Zudans | 19th & 20th |

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PDR FOIA
BRUNNER85-602 PDR

FILE: MIDLAND UNITS 1 & 2

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|---------|------|--------------|---------|--|--|--|
| OFFICE | ACRS | DFischer/bgs | 5-12-82 | | | |
| SURNAME | | | | | | |
| DATE | | | | | | |

D. Okrent, Chairman

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By copy of this memo, members of the NRC Staff and other participants who will be making presentations to the Subcommittee are reminded of the Subcommittee's need for twenty hard copies of all slides, training aids, and papers presented to the Subcommittee

Attachment:
Tentative Schedule

cc: ACRS Members
R. Fraley, ACRS
M. Gaske, ACRS
M. Libarkin, ACRS
T. McCreless, ACRS
J. McKinley, ACRS
G. Quittschreiber, ACRS
B. White, ACRS
M. Vanderholt, ACRS
H. Denton, NRR
E. Case, NRR

E. Goodwin, NRR
R. DeYoung, IE
R. Minogue, RES
D. Eisenhut, NRR
R. Vollmer, NRR
J. Keppler, NRR
R. Tedesco, NRR
E. Adensam, NRR
D. Hood, NRR
R. Hernan, NRR
J. Knight, NRR
M. Sinclair

Bob Jackson
Jeff Hemball

TENTATIVE SCHEDULE FOR THE
MAY 20 & 21, 1982
ACRS SUBCOMMITTEE MEETING ON MIDLAND UNITS 1 & 2
HOLIDAY INN, 1500 WACKERLY RD., MIDLAND, MI

THURSDAY, MAY 20, 1982

| <u>APPROXIMATE TIME</u> | <u>TOPIC</u> | <u>SPEAKER</u> |
|-------------------------|---|----------------|
| 8:30 A.M. | I. CHAIRMAN'S OPENING STATEMENT | D. Okrent |
| 8:45 A.M. | II. INTRODUCTION BY NRC STAFF | NRC Staff |
| | A. Overview of OL Review | |
| | 1. Status of review (including open items & licensing conditions) | |
| | 2. Comparison of Midland with other similar PWRs reviewed by the NRC Staff | |
| | 3. Summary of principal review issues & status of comments on the TMI Action Plan (including a summary of the safety issues in this review which the NRC Staff believes were the most difficult to resolve) | |
| | B. Discussion | |
| | C. Comments by Applicant | |
| 9:30 A.M. | III. QUALITY OF DESIGN AND CONTRUCTION | |
| | A. I&E Report on Significant Plant Experiences (including a discussion on Construction QA/QC and an I&E Assessment of Construction Management) | |
| | B. Discussion | |
| 10:30 A.M. | BREAK | |

TENTATIVE SCHEDULE
MIDLAND
MAY 20 & 21, 1982

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THURSDAY, MAY 20, 1982 (CONTINUED)

| <u>APPROXIMATE TIME</u> | <u>TOPIC</u> | <u>SPEAKER</u> |
|-------------------------|--|----------------|
| 10:40 A.M. | IV. INTRODUCTION BY THE APPLICANT | |
| | A. General | |
| | B. Plant and Site Description | |
| | C. Construction Schedule, Projected Schedule to Commercial Operations | |
| | V. GENERAL TOPICS FOR DISCUSSION | |
| 11:00 A.M. | A. Human Factors Review of the Control Room | |
| 11:10 A.M. | B. Alternate Shutdown Panel | |
| 11:20 A.M. | C. Instrumentation | |
| | 1. To detect inadequate core cooling | |
| | 2. Reactor vessel level indication | |
| 11:30 A.M. | D. AC/DC Systems Reliability | |
| | 1. Offsite power | |
| | 2. Emergency diesel power distribution scheme | |
| | 3. Station blackout | |
| | 4. DC system reliability | |
| 12:00 | E. Process Steam | |
| | 1. System description | |
| | 2. System operation | |
| | 3. Radioactivity monitoring | |
| 12:15 P.M. | RECESS/LUNCH | |
| 1:15 P.M. - 5:00 P.M. | SITE VISIT | |

TENTATIVE SCHEDULE
MIDLAND
MAY 20 & 21, 1982

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THURSDAY, MAY 20, 1982 (CONTINUED)

| <u>APPROXIMATE TIME</u> | <u>TOPIC</u> | <u>SPEAKER</u> |
|-------------------------|---|----------------|
| 6:00 P.M. | F. Seismic | |
| | 1. Criteria to which plant and equipment were built (Seismic Input Criteria) | |
| | 2. Site-specific spectra | |
| | 3. Probabilistic estimates of increasingly severe earthquakes | |
| | 4. Reevaluation of plant components and structures necessary for safe shutdown and decay heat removal (including margins available) | |
| | 5. Need for dewatering to reduce the probability for liquifaction due to an earthquake (including margins available) | |
| | 6. Other factors relevant to issue | |
| 8:00 P.M. | G. Probabilistic Risk Assessment | |
| | 1. Preliminary findings to date | |
| 8:15 P.M. | H. Auxiliatry Feedwater System Reliability | |
| 9:00 P.M. | I. Methods to Reduce Common Cause Failure | |
| | 1. Systems interaction studies | |
| | 2. Separation of control and protection instrumentation | |
| | 3. Changes in design resulting from previous experience | |
| 9:30 P.M. | J. Other | |
| 10:00 P.M. | RECESS | |

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MAY 20 & 21, 1982

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FRIDAY, MAY 21, 1982

APPROXIMATE TIME

TOPIC

SPEAKER

V. GENERAL TOPICS FOR DISCUSSION (CONT'D)

8:30 A.M.

K. Organization and Management

1. Corporate & operational management
 - a. Experience levels
 - b. Staff buildup - (percentage of engineering and management buildup)
 - c. Utility offsite and onsite technical capability organization (Compliance with NUREG-0731, "Management Structure and Technical Resources")
2. Operations organization
 - a. Plant and industry operating experience
 - b. Uses of contractor personnel
 - c. Criterion used to determine the operating organizations' ability to assume control of plant from startup groups and contractors
3. Nuclear plant engineering organization
4. Nuclear services organization
5. Nuclear safety review groups
6. Quality assurance organization

9:15 A.M.

L. Operations Staffing and Training

1. Plant management chain of command
2. Current status of operations staffing (percentage complete and experience level)
3. Selection of for operators and maintenance personnel
4. Plant communications [normal operations, maintenance, refueling, outages, and emergencies (How are routine and emergency instructions handled between unit operators and auxiliary unit operators?)]

TENTATIVE SCHEDULE
MIDLAND
MAY 20 & 21, 1982

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FRIDAY, MAY 21, 1982 (CONTINUED)

| <u>APPROXIMATE TIME</u> | <u>TOPIC</u> | <u>SPEAKER</u> |
|-------------------------|--|----------------|
| | 5. Plant safety review committee | |
| | 6. Uses of contractor personnel | |
| | 7. Uses of STA from utility perspective | |
| | 8. Feedback to operators, STAs, and others of plant and industry experience | |
| | 9. Training for operators and maintenance personnel | |
| | 10. Uses of simulators in training program | |
| | 11. Training for serious accidents, DBA and beyond DBA | |
| 10:00 A.M. | M. Emergency Operating Procedures | |
| | 1. ATOG | |
| | 2. Reliability of instrumentation during abnormal plant conditions | |
| | 3. EOP for case of severe earthquake | |
| 10:30 A.M. | BREAK | |
| 10:40 A.M. | N. DHR System Operations | |
| 10:50 A.M. | O. System Highpoint Vents | |
| 11:00 A.M. | P. Bolting and Other High Strength Material | |
| | 1. RPV bolts | |
| 11:10 A.M. | Q. Fire Protection | |
| | 1. Potential problems from spurious actuations, flooding or wetting, damper actuations | |

TENTATIVE SCHEDULE
MIDLAND
MAY 20 & 21, 1982

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FRIDAY, MAY 21, 1982 (CONTINUED)

| <u>APPROXIMATE TIME</u> | <u>TOPIC</u> | <u>SPEAKER</u> |
|-------------------------|--|----------------|
| 11:20 A.M. | R. Integrated Control System | |
| | 1. What has been done to upgrade the ICS since TMI changes brought About by B&W vs. CPC | |
| | 2. Failure modes & effect analysis | |
| 11:40 A.M. | S. Seismic and Environmental Qualification of Equipment Important to Plant Safety | |
| 12:00 noon | LUNCH | |
| 1:00 P.M. | T. Items from previous ACRS letters | NRC Staff |
| 1:20 P.M. | U. Habitability | |
| | 1. Control room | |
| | 2. Emergency response facilities | |
| 1:40 P.M. | V. Emergency Planning | |
| | 1. Meteorological monitoring program | |
| | 2. Evacuation plan (including impact on DOW Chemical Plant) | |
| 1:50 P.M. | W. Radiation Protection Program | |
| | 1. ALARA | |
| | 2. Dose assessment procedures | |
| 2:00 P.M. | X. Other | |
| 2:30 P.M. | Y. Status of ACRS review | D. Okrent |
| 3:00 P.M. | BREAK (CHANGE OF CHAIRMAN) | |
| 3:10 P.M. | Z. Environmental Monitoring (Including Cooling pond, Tittabawassee River and Indigeneous Wildlife) | |
| 3:20 P.M. | AA. Potential for Ground Water Contamination at the Midland Site | |
| 3:30 P.M. | BB. Other | |
| 4:00 P.M. | ADJOURNMENT | |