

MAY 16 1980

MEETING SUMMARY DISTRIBUTION

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R. Fraley, ACRS (16)
IE (3)
V. Benaroya
R. Satterfield
R. O. Meyer

NRC Participants

C. Trammell
M. Grotenhuis
R. Satterfield
L. Beltracchi
L. Phillips
G. Holahan
D. Fieno
H. Richings
Y. Hsu
A. Hon
N. Anderson
V. Benaroya
H. Balukjian
R. Martin
W. Morris
S. Miner
N. Condic
J. Voglewede

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MAY 16 1980

MEMORANDUM FOR: Distribution

FROM: Laurence E. Phillips, Section Leader
Thermal Hydraulics Section
Core Performance Branch
Division of Systems Integration

SUBJECT: MEETING WITH NATIONAL NUCLEAR CORPORATION ON VESSEL
LIQUID LEVEL INSTRUMENTATION

A meeting between NRC staff and representatives of the National Nuclear Corporation (NNC) on vessel liquid level instrumentation was held in Bethesda on May 5, 1980. A prototype reactor water level indicator utilizing gamma detectors outside of the reactor vessel was described by NNC. Tests conducted at Prairie Island, Rancho Seco and Trojan were also discussed. Further information concerning the device can be found in the referenced reports (1, 2) retained by me in CPB, W. Morris/ICSB, and Y. Y. Hsu/RSR. A list of meeting attendees is attached.

A handwritten signature in cursive script, reading "Laurence E. Phillips".

Laurence E. Phillips, Section Leader
Thermal Hydraulics Section
Core Performance Branch
Division of Systems Integration

- Attachments:
1. References
 2. List of Mtg. Attendees

ATTACHMENT 1

References

1. "Non-Invasive Reactor Level Indicator - Phase I: Laboratory Tests," by S. Untermeyer, National Nuclear Corporation under contract to the Electric Power Research Institute.
2. "Water Level Tests at Trojan Nuclear Generating Station and Design of Prototype Reactor Water Level Indicator," by National Nuclear Corporation.

ATTACHMENT 2

Meeting Attendees

NRC/National Nuclear Corporation

May 5, 1980

| | |
|----------------------|-----------------------------------------------|
| John Voglewede | Core Performance Branch, NRC |
| Y. Y. Hsu | Separate Effects Branch, RES, NRC |
| Andrew Hon | Separate Effects Branch, RES, NRC |
| Harry Balukjian | Core Performance Branch, NRC |
| Bill Morris | Instrumentation & Control Systems Branch, NRC |
| Howard Richings | Core Performance Branch, NRC |
| Daniel Fieno | Core Performance Branch, NRC |
| Larry Phillips | Core Performance Branch, NRC |
| Gary Holahan | Safety Program Evaluation Branch, NRC |
| Leo Beltracchi | Human Factors Engineering Branch, NRC |
| Sydney Miner | Operating Reactors Branch No. 1, NRC |
| Robert E. Martin | Operating Reactors Branch No. 3, NRC |
| Lester Kornbith, Jr. | National Nuclear Corporation |
| Samuel Untermyer | National Nuclear Corporation |