

NOV 05 1985

MEMORANDUM FOR: Harold R. Denton, Director, NRR  
James M. Taylor, Director, IE  
Robert B. Minogue, Director, RES  
John G. Davis, Director, NMSS  
Thomas E. Murley, Regional Administrator, Region I  
J. Nelson Grace, Regional Administrator, Region II  
James G. Keppler, Regional Administrator, Region III  
Robert D. Martin, Regional Administrator, Region IV  
John B. Martin, Regional Administrator, Region V

FROM: C. J. Heltemes, Jr., Director  
Office for Analysis and Evaluation  
of Operational Data

SUBJECT: ONGOING STUDIES WITHIN AEOD

Enclosed for your information and use is a listing of current ongoing AEOD studies of operational events involving reactor and nonreactor activities.

Each study is identified by the responsible engineer, an assignment number, and a brief description. When completed, each study will normally be documented as either a technical review (TR) report, an engineering evaluation (EE) report, or as a case study (CS) report depending on the nature, seriousness, and implications of the event and any associated AEOD recommendations. The report closing out each study is identified in the listing.

If additional information or discussion is desired on any specific study, please contact either the responsible engineer or supervisor (Karl Seyfrit for reactor studies, Fred Hebdon for PTB studies, and Kathleen Black for nonreactor studies). Additionally, these individuals would appreciate knowing about related work or information within your offices that should be considered in either scoping or completing these studies.

Multiple Addressees

- 2 -

Please let me know should additional information or clarification be desired or if we can be of additional assistance.

Original signed by:

C. J. Heltemes, Jr.

C. J. Heltemes, Jr., Director  
Office for Analysis and Evaluation  
of Operational Data

Enclosure:  
As stated

cc: w/enclosure  
W. Dircks, EDO  
J. Roe, D'EDO  
T. Rehm, AO/EDO  
V. Stello, DEDROGR  
J. Sniezek, DEDROGR  
W. Fisher, DEDROGR  
J. Shea, IP  
W. Kerr, SP  
E. Jordan, IE  
D. Eisenhut, NRR  
G. Terry, NMSS  
S. Rosen INPO  
W. Layman, NSAC

Distribution

PDR  
AEOD CF (w/o encl.)  
AEOD SF  
ROAB SF  
NAS CF  
PTB CF  
KVSeifrit, ROAB  
FHebdon, PTB  
KBlack, NAS  
Tippolito, AEOD (w/o encl.)  
CHeltemes, AEOD

C:ROAB:AEOD  
KSeifrit:jz  
11/1/85

C:NAS:AEOD  
KBlack  
11/1/85

C:PTB:AEOD  
FHebdon  
11/4/85

DD:AEOD  
Tippolito  
11/5/85

D:AEOD  
CHeltemes  
11/5/85

ROAB Assignment Log

NAME: ASHE, FRANK

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
85-01	Operational Experience Events Involving Failures of Safety Related Electrical Inverters.	
85-03	Interlock Arrangements for Charging Pump Breakers.	

ROAB Assignment Log

NAME: BROWN, EARL

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-03	Check Valve Failure.	
84-05	Evaluation of Recent Valve Motor Burnout Events.	\$503
85-01	A Review of Motor Operated Valve Performance.	

ROAB Assignment Log

NAME: CHIRAMAL, MATTHEW

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-12	Loss of Offsite Power-Failure of Diesel Generators to Start.	
85-01	Inadvertent Actuation of Safety Systems Due to "Crosstalk."	
85-02	Effects of Ambient Temperature on Electronic Equipment in Safety Related I&C Systems.	
85-03	H <sub>2</sub> Fire and Failure of Detection System.	
85-04	Effects of Lightning on Control and RPS Instrumentation and Safety Related Electrical Equipment.	
85-05	Corrosion of Safety Related Relays.	

ROAB Assignment Log

NAME: CINTULA, THEODORE

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
85-02	Potential ECCS Pump Damage Due to Postulated RAS Actuation During a LOCA.	
85-03	Inaccessibility of Vital Areas During Operation.	
85-04	Pressure Sensitive Temperature Switch Results in Unwanted Actions.	

ROAB Assignment Log

NAME: FREEMAN, ROBERT

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-03	Failure of Safety Pumps Due to Debris.	E512
85-02	Unexpected Criticality Due to Incorrect Calculation and Failure to Follow Procedures.	
85-03	Incorrect Plugging of S.G. Tubes.	T512
85-04	Xenon Induced Power Oscillations at Catawba.	T510

ROAB Assignment Log

NAME: HSU, CHUCK

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-02	Design/Construction Problem at Operating Nuclear Plants.	
85-01	Component Failures Due to Vibration.	
85-02	MSIV Failures.	
85-03	Overspeed Trip of Turbine Driven Pumps.	



ROAB Assignment Log

NAME: LAM, PETER

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-02	Systems Interaction Between Non-safety and Safety Systems in BWRs, 1979-83.	Cancelled
84-04	Overpressurization of Low Pressure Safety System Piping.	C502
85-01	Reactor Draindown Caused by Incorrect Valving.	

ROAB Assignment Log

NAME: LEEDS, ERIC

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
85-02	Foreign Material in Safety Related Systems.	
85-04	Mispositioning of Dual Function Valves.	
85-05	RCIC Spurious Steam Line Isolation.	
85-06	Failure of Emergency Diesel Cooling Water Due to Loss of Air.	

ROAB Assignment Log

NAME: ORNSTEIN, HAROLD

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
83-01	Plant Air Systems.	
83-06	Decay Heat Removal Problems in U.S. PWRs.	Issued for Peer Review
85-01	A Potential Single Failure in the Keowee Hydro Woodward Governor System Which Could Prevent Automatic Actuation of Emergency Power at the Oconee Nuclear Station.	Study Completed Memo Issued

ROAB Assignment Log

NAME: RUBIN, STUART

Assignment  
Number

Description

Closeout  
Reference

85-04

Reversed Sensing Lines or Electrical Leads.

ROAB Assignment Log

NAME: SALAH, SAGID

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-01	Degradation of Primary Containment Boundary Due to HPCS Discharge Relief Bellows Failure.	E513
84-02	Trip of RHR Pumps on Lo Suction Pressure Due to Entrapped Air.	
85-01	Problems with Reactivity Control Systems, (Mechanical)	

ROAB Assignment Log

NAME: TRIPATHI, RAJI

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
85-02	Data Comparison Study for 1984 Events.	
85-03	Loss of SI Capability at Indian Point.	
85-04	AFW Pump Cavitation at Davis Besse.	
85-05	AFW Pump Unavailability at Turkey Point.	
85-06	Degradation of Safety Systems Due to Component Misalignment and/or Mispositioned Control/Selector Switches.	

ROAB Assignment Log

NAME: ZUKOR, DOROTHY

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-06	Transient at Trojan Involving Multiple Failures.	E514
84-07	LOCA Outside Containment.	
85-01	Corrosion and Failure of Valves Due to Flooding of Valve Pits.	
85-02	Potential Loss of Component Cooling Due to Maladjustment of Relief Valves.	

NAS Assignment Log

NAME: BLACK, KATHLEEN

Assignment  
Number

Description

Closeout  
Reference

83-05	Overexposure at New England Nuclear (NEW).	
84-01	Misadministrations--Review of Licensees having Multiple Misadministrations.	



NAS Assignment Log

NAME: PETTIJOHN, SAMUEL

Assignment  
Number

Description

Closeout  
Reference

83-11

Therapeutic Misadministrations Reported to NRC  
Pursuant to 10 CFR 35.42.

85-01

Misadministration at University of Cincinnati on  
August 27, 1984.

85-02

Loss of Ir 192 Seed.

NAS Assignment Log

NAME: TRAGER, EUGENE

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
84-02	Loss of Safety Systems, 1981 to June 1984.	
84-04	Wrong Unit/Wrong Train Extended Study (with NRR).	

PTB Assignment Log

NAME: BELL, LARRY

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
P85-03	Trends and Patterns Analysis of Reactor Scrams (Jan-Dec 1984).	P504
P85-12	Trends and Patterns Analysis of Reactor Scrams (Jan-Dec 1985).	

PTB Assignment Log

NAME: BRADY, BENNETT

Assignment  
Number

Description

Closeout  
Reference

P85-05

Trends and Patterns Analysis of Reactor Operational  
Experience (1981-1983).

PTB Assignment Log

NAME: CROOKS, JACK

Assignment  
Number

Description

Closeout  
Reference

P85-06

A Review of Nuclear Power Plant Operating  
Experience Feedback Programs.

PTB Assignment Log

NAME: HARPER, MARC

Assignment  
Number

Description

Closeout  
Reference

P85-11

Trends and Patterns Analysis of Engineered Safety  
Features Actuations (July-Dec 1984).

PTB Assignment Log

NAME: O'REILLY, PATRICK

<u>Assignment Number</u>	<u>Description</u>	<u>Closeout Reference</u>
P85-08	Trends and Patterns Analysis of Technical Specification Violations for 1984.	
TBD	Trends and Patterns Analysis of Technical Specification Violations for 1985.	
P85-01	Trends and Patterns Analysis of Safety System Unavailability for 1984.	
TBD	Trends and Patterns Analysis of Safety System Unavailability for 1985.	

PTB Assignment Log

NAME: WOLF, THOMAS

Assignment  
Number

Description

Closeout  
Reference

P85-10

Performance of Plants in Operation Less than  
Two Years.