

for PDR

September 16, 1982

For: The Commissioners

From: T. A. Rehm, Assistant for Operations, Office of the EDO

Subject: WEEKLY INFORMATION REPORT - WEEK ENDING SEPTEMBER 10, 1982

A summary of key events is included as a convenience to those Commissioners who may prefer a condensed version of this report.

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\*No input this week.



T. A. Rehm, Assistant for Operations  
Office of the Executive Director  
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492-7781

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## HIGHLIGHTS OF WEEKLY INFORMATION REPORT

Week Ending September 10, 1982

### San Onofre, Unit 2

On September 7 NRC issued an amendment to the operating license authorizing full power operation. The plant is scheduled to achieve 100% power for the first time in late December 1982.

### Zion, Unit 2

The plant has been shut down to investigate another incidence of turbine blade failure, almost identical to an occurrence that happened about a year ago. It is expected to take a least two weeks to repair the turbine.

### Davis-Besse, Unit 1

The plant started its third cycle of power operation on September 3 after a 174-day extended outage--over double the length of outage originally scheduled. Power operation at 100% is expected to be achieved by about September 11, 1982.

### Fermi, Unit 2

The Board of Commissioners of Monroe County, Michigan requested leave to intervene in the operating license proceeding because of recently apparent defects in offsite emergency planning at the local level. NRR is preparing a response.

### LOFT

A series of six nuclear tests were conducted in the LOFT facility at INEL to simulate abnormal or unusual occurrences in a PWR and to simulate the capability of plant protection systems or operator procedures to return a reactor to a safe shutdown condition. Plant recovery was successful and systems functioned as expected.

### \*Export to South Africa

### Nuclear Non-Proliferation Hearing

At a hearing of the Subcommittee on International Security and Scientific Affairs and the Subcommittee on International Economic Policy and Trade, Executive Branch speakers indicated that adoption of proposed amendments to the Nuclear Non-Proliferation Act would encumber the export-related review process and further enhance the perception of the U.S. as an unreliable trading partner.

### International Information Exchange Agreements

Two renewals for the exchange of technical information in regulatory and safety research have been signed by NRC and Switzerland and the Netherlands.

### No Charge for Withdrawn Applications

Outstanding invoices for withdrawn facility construction permits and certain materials applications, filed before November 6, 1981, (about \$10.7 million) are being cancelled because of a decision by the First Circuit Court of Appeals and Commission agreement to the decision.

\*Delete from PDR

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OFFICE OF ADMINISTRATION  
ITEMS OF INTEREST  
WEEK ENDING SEPTEMBER 10, 1982

First Circuit Court of Appeals Decision

On July 19, 1982, the First Circuit Court of Appeals decided New England Power v. NRC concerning the assessment of fees for withdrawn applications. The Court held that applicants may not be billed for the cost of reviewing withdrawn applications where the request for withdrawal was filed before November 6, 1981, the effective date of the Commission's interpretative rule concerning this matter. On August 16, 1982, the Commission approved the OGC recommendation set forth in SECY-82-321 that further court review of the First Circuit decision not be pursued. As a result of the Court decision, and the Commission's action on this matter, outstanding invoices, for withdrawn facility construction permits and certain materials applications, totalling about \$10.7 million are being cancelled.

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ENCLOSURE A

OFFICE OF ADMINISTRATION

Week Ending September 10, 1982

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Received	451	23
Granted	328	1
Denied	62	19
Pending	61	3

ACTIONS THIS WEEK

Received

R. F. Fabrizio,  
Baltimore Gas  
and Electric  
(82-414)

Requests a copy of "Initial Guidance for the Performance of Systems Interaction Analysis at Selected LWR's", and "Initial Guidance on Digraph-Matrix Analysis for Systems Interaction Studies at Selected LWR's."

Catherine Quigg,  
Pollution and Environmental  
Problems, Inc.  
(82-415)

Requests all documents which relate to "Adversary Actions in the Nuclear Power Fuel Cycle: Reference Events and Their Consequences" (SAI-152-123-80-1) submitted to Brookhaven National Labs under contract 430682.

Carl J. Johnson  
(82-416)

Requests a copy of the Report to the U.S.E.P.A., Plutonium and Human Tissues Related to Smoking, Age, Residence Near Rocky Flats and Eastern Colorado.

Margaret E. Doris  
(82-417)

Requests information on the January 25, 1982 accident at the Ginna Nuclear Power Plant.

Joseph M. Price,  
Love, Wise,  
Robinson & Woodroe  
(82-418)

Requests information on (a named individual's) exposure to atomic bomb test detonations and information regarding the relationship between either chronic polyneuropathy or amyotrophic lateral sclerosis and atomic blast exposure.

Kimberly A. Armstrong,  
Debevoise & Liberman  
(82-419)

Requests a copy of SECY-82-232, Use of Non-Plant Specific Simulators for Initial, Replacement, and Requalification Examinations for Licensed Reactor Operators and Senior Operators.

CONTACT: J. M. Felton  
492-7211

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ENCLOSURE A

Received, Cont'd

Peter L. Collins,  
Research Counsel  
of Washington  
(82-420)

Requests copies of Ohmart and Texas Nuclear Corporation's responses to the NRC regarding their "Quarterly Report of Transfer of Devices Distributed Under General License."

Stephen Robinson  
(82-421)

Requests a copy of six listed documents regarding the University of Kansas Research Reactor.

Louis Freedberg, Ph.D.,  
Youth News  
(82-422)

Requests all information regarding the disposal of radioactive, chemical and medical wastes at the St. Albans Hospital in Queens, New York.

Stephen G. Sawicki,  
The News-Herald  
(82-423)

Requests all Preliminary Notification, Preliminary Notification of Safeguards Occurrence and Preliminary Notification of Occurrence documents for the Perry Nuclear Power Plant from January 1, 1976 to September 7, 1982.

Granted

Fred Millar,  
Environmental  
Policy Institute  
(82-321)

In response to a request for four categories of documents regarding the transportation of radioactive spent fuel and/or wastes by Virginia Electric Power Company (VEPCO), made available two documents.

Lynn S. Davies,  
Richards, Brandt,  
Miller & Nelson  
(82-335)

In response to a request for documents relating to the St. Joseph's Hospital in Albuquerque, New Mexico, and the Iodine 125 seed incident that occurred there, made available 13 documents.

Kevin H. LeClair  
(82-371)

In response to a request for information on the use of potassium iodide as a radiation blocker in nuclear power plant accidents, made available 10 documents. Informed the requester one additional document subject to this request is available at the National Technical Information Services (NTIS) and one other document is already available at the PDR.

Vera Buffalo,  
Cobe Laboratories, Inc.  
(82-379)

In response to a request for the names and plant locations of all U.S. facilities licensed to possess 100,000 or more curies of Cobalt 60, made available the requested information.

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ENCLOSURE A

Granted, Cont'd

Robert R. Seiler  
(82-382)

In response to a request for a listing of all nuclear disposal sites that have and have not been approved by the NRC, informed the requester that there are some 20 repositories for low-level wastes in the U.S. Of these, 14 are operated by the DOE for federally-funded programs; and six are commercial, although three are no longer in operation. Informed the requester that to date, the NRC has not licensed any high-level waste disposal sites.

(An individual requesting  
information about himself)  
(82-396)

In response to a request for all security reports, personnel reports or similar documents pertaining to his employment at the Ginna Nuclear Power Plant, made available a copy of his radiation exposure.

C. Richard Cranwell,  
Cranwell, Flora  
& Moore  
(82-402)

In response to a request for a copy of Virginia Electric Power Company's (VEPCO) application for approval of spent fuel routes, made available the requested information.

Denied

None

WEEKLY INFORMATION REPORT  
DIVISION OF CONTRACTS  
WEEK ENDING SEPTEMBER 10, 1982

PROPOSALS UNDER EVALUATION

RFP No.: RS-NRR-82-118

Title: "Fire Protection Program Review Case Work Plants I"

Description: The contractor shall assist in the review and evaluation of final safety analysis reports and fire hazards analyses submitted by applicants for the purpose of obtaining an operator's license.

Period of Performance: 27 months

Sponsor: NRR

Status: Best and Finals are due September 10, 1982

RFP No.: RS-NRR-82-128

Title: "Availability of Medical Treatment to Minimize Early Fatalities Post Severe Reactor Accidents"

Description: The contractor shall determine the availability of sources by geographic region, nationwide, of emergency supportive medical services and personnel for handling treatment of people with acute radiation injury in the unlikely event of a severe reactor accident to reduce potential fatality levels.

Period of Performance: 45 days

Sponsor: NRR

Status: Final Evaluation Report received September 2, 1982

RFP No.: RS-NMS-82-046/047

Title: "Reviewing the Hydrogeologic Investigations of the Nevada Test Site (NTS)-Projects C and D"

Description: The contractor is to evaluate existing DOE information and associated investigations together with plans for future DOE investigations of hydrogeology of the NTS for the purpose of providing assistance in the preparation and review of the Site Characterization Report (SCR) and in production of NRC's Site Characterization Analysis (SCA).

Period of Performance: From date of award through April 30, 1984

Sponsor: NMSS

Status: Final Evaluation Report is being prepared by the SEP and is due September 7, 1982.

RFQ No.: RS-NRR-82-134

Title: "TMI-2 Fire Protection Evaluation"

Description: The contractor will review and evaluate the licensee's revised fire hazards analysis for Unit 2. The contractor will perform an onsite fire protection survey and provide a safety evaluation.

Period of Performance: Three months after contract effective date

Sponsor: NRR

Status: Proposals were received September 3, 1982 and are under evaluation by the Panel.



Proposals Under Evaluation

RFP RS-MPA-82-319

Title: "Comprehensive Current (Real-Time) Geophysical Data Storage and Retrieval System"

Description: To provide an on-line computer service with a dedicated local Washington, D.C., area telephone access line for NRC use for the retrieval of current (real-time) geophysical information.

Period of Performance: One year from contract effective date

Sponsor: Office of Resource Management

Status: Proposals under evaluation.

RFP No.: RS-OIE-82-251

Title: "Safety Aspects of Industrial Radiography Course"

Description: The requirement entails the preparation and teaching of no training courses concerning safety aspects of industrial radiography

Period of Performance: From contract effective date through October 1983

Sponsor: Office of Inspection and Enforcement

Status: Proposals under evaluation.

Contract Award

Contract No.: NRC-06-82-292

Title: "Medical Use of Radionuclides for State Regulatory Personnel"

Description: The requirement involves the preparation and teaching of three training courses on medical use of radionuclides. The training will familiarize the students with both the routine and special uses of radionuclides in medical diagnosis, therapy, and research.

Period of Performance: From contract effective date through May 30, 1983

Sponsor: Office of State Programs

Status: Fixed-Price contract awarded to Oklahoma University Health Sciences Center in the amount of \$28,365.60.

Contracts Closed-Out

NRC-10-81-421	Department of the Air Force (FEDSIM)	9/9/82
NRC-03-78-149	Environmental Protection Agency	9/9/82
NRC-04-78-261	Cornell University	9/8/82
NRC-04-77-364	Univ. of Southern California	9/8/82
NRC-01-78-007	NOAA	9/8/82
NRC-01-80-018	NOAA	9/8/82
AT(49-24)-0150	Massachusetts Institute of Technology	9/8/82
NRC-02-80-028-01	Ott Water Engineers, Inc.	9/3/82
NRC-02-80-028-02	Ralph Stone & Co., Inc.	9/3/82
NRC-02-80-028-03	Battelle Pacific Northwest Labs.	9/3/82
NRC-02-80-028-04	Hittman Associates, Inc.	9/3/82
NRC-02-80-028-05	General Electric - TEMPO	9/3/82
NRC-02-80-028-06	Harding-Lawson Associates	9/3/82



DIVISION OF TECHNICAL INFORMATION AND  
DOCUMENT CONTROL\*

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\*This complete TIDC entry is deleted from the PDR copy.

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ENCLOSURE A

OFFICE OF NUCLEAR REACTOR REGULATION

ITEMS OF INTEREST

Week Ending September 10, 1982

San Onofre 2

On September 7, 1982, Amendment No. 7 to the San Onofre Unit 2 operating license was issued, authorizing operation at full power. The first cycle of low power natural circulation testing was successfully completed on September 7, 1982. These tests were observed by NRC staff. The plant is scheduled to exceed 5 percent for the first time on September 9, 1982, and will approach full power in stages, with tests being conducted at each power plateau. The plant is scheduled to achieve full power for the first time in late December 1982.

Fermi 2

The Board of Commissioners of Monroe County, Michigan, in a petition to the NRC dated August 27, 1982, requested leave to intervene in the Fermi 2 operating license proceeding. The reason given for late filing is that the Board of Commissioners has only recently become aware of significant defects in emergency planning through the county's efforts to prepare the Monroe County Emergency Plan, contacts with FEMA, and public meetings with county citizens. Defects are stated to be present in offsite emergency planning in the areas of: bus availability, dependence on volunteer fire fighters, county responsibilities for recovery and re-entry, inadequacy of existing roads to evacuate beach areas, inadequate funds for offsite emergency personnel training and coordination, decontamination of persons and vehicles, potassium iodide distribution, and detection of excessive releases of radiation to water and air.

A response to the petition is being prepared.

Zion Turbine Blade Failure

The Zion Unit 2 has been shut down to investigate another incidence of turbine blade failure. About a year ago the unit's "A" low pressure turbine threw a blade. The rotor was replaced with a refurbished rotor which was available at Zion. The same turbine has now apparently thrown a blade from the refurbished rotor in about the same location as last year's failure. This deduction was made by the operations personnel from a comparison of vibrations and noise as compared to the event a year ago. It appears that the Zion Unit 2 will be down for a minimum of two weeks for turbine repair.

Davis-Besse Restart After Extended Outage

The Davis-Besse Unit No. 1 started its third cycle of power operation on September 3, 1982 after a 174-day extended outage. The refueling outage was scheduled to last only 75 days but was prolonged to repair damaged internal auxiliary feedwater headers in both once-through steam generators.

Major activities during the outage included: 1) fuel loading for a nominal 230 EFPD cycle with Technical Specification flexibility to extend cycle to a maximum of 278 EFPD, 2) eddy current testing of steam generator tubes, 3) automatic reactor inspection system (ARIS) inspection of the reactor vessel nozzle welds, 4) replacement of numerous eleventh stage buckets on both low-pressure turbine rotors due to dovetail cracking, 5) replacement of a ruptured 10-inch expansion joint in the condenser, 6) inspection of the thermal shield bolts, 7) replacement of the station computer with a new dual central processing unit computer system, 8) modification of the AFW system and stabilization of the damaged internal AFW header and 9) machining of stop-check valves in HPI lines.

Also during the outage, a number of modifications required by NUREG-0737 were completed.

The plant is currently operating at 40% power with escalation to 100% scheduled near the end of the week of September 5, 1982.

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ENCLOSURE B

NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

September 4, 1982 - September 11, 1982

Plant Status

Core Cooling Mode: Heat transfer from the reactor coolant system (RCS) to reactor building ambient.

Available Core Cooling Modes: Mini Decay Heat Removal (MDHR) system.

RCS Pressure Control Mode: RCS is vented to the reactor building.

Major Parameters (as of 0530, September 10, 1982) (approximate values)

Average Incore Thermocouples\*: 121°F

Maximum Incore Thermocouple\*: 139°F

RCS Loop Temperatures:

	A	B
Hot Leg**	101°F	99°F
Cold Leg (1)	80°F	81°F
(2)	82°F	82°F

Pressure: The reactor coolant system is vented to the reactor building.

Reactor Building: Temperature: 72°F

Pressure: -0.2 psig

Airborne Radionuclide Concentrations:

2.1 E-6 uCi/cc H<sup>3</sup>  
(sample taken 9/10/82)

6.2 E-6 uCi/cc Kr<sup>85</sup>  
(sample taken 8/10/82)

2.5 E-9 uCi/cc particulates  
(sample taken 9/10/82)

1. Effluent and Environmental (Radiological) Information

Liquid effluents from the TMI site released to the Susquehanna River after processing, were made within the regulatory limits and in accordance with NRC requirements and City of Lancaster Agreement dated February 27, 1980.

During the period September 3, 1982, through September 9, 1982, the effluents contained no detectable radioactivity at the discharge point and individual effluent sources, which originated within Unit 2, contained no detectable radioactivity.

\*Uncertainties exist as to the exact location and accuracy of these readings.

\*\*The primary water level is below the hot leg temperature sensors.

2. Environmental Protection Agency (EPA) Environmental Data

- The EPA Middletown Office has not received the environmental Kr-85 analytical results for the samples which were taken August 13, 1982 through August 27, 1982, from the EPA's Counting Laboratory at Las Vegas, Nevada. These results will be included in a subsequent report.
- No radiation above normally occurring background levels was detected in any of the samples collected from the EPA's air and gamma rate networks during the period from September 3, 1982, through September 9, 1982.

3. NRC Environmental Data

Results from NRC monitoring of the environment around the TMI site were as follows:

- The following are the NRC air sample analytical results for the onsite continuous air sampler:

<u>Sample</u>	<u>Period</u>	<u>I-131</u> <u>(uCi/cc)</u>	<u>Cs-137</u> <u>(uCi/cc)</u>
HP-335	September 1 - 8, 1982	<6.4 E-14	<6.4 E-14

4. Licensee Radioactive Material and Radwaste Shipments

- On September 7, 1982, 68 drums of Unit 1 and Unit 2 contaminated laundry were shipped to Interstate Laundry, New Kensington, Pennsylvania.
- On September 9, 1982, the Tri-State Mobile Laundry Decontamination Facility and Ventilation Unit in Unit 2 were returned to Utica, New York.
- On September 9, 1982, 20 LSA (Low Specific Activity) metal containers of Unit 1 and Unit 2 waste materials were shipped to U.S. Ecology, Richland, Washington.

Major Activities

1. Submerged Demineralizer System (SDS). The SDS system is presently shutdown; no new water is ready for processing. To date SDS has processed 35 batches (approximately 1,205,000 gallons) of contaminated water; 250,000 gallons of this total was Reactor Coolant System (RCS) water.
2. EPICOR II. The EPICOR II system is presently shutdown; no new water is ready for processing.

3. Reactor Building Entries. Reactor building entries were conducted on Wednesday, September 8, 1982 and Friday, September 10, 1982. The most labor intensive tasks conducted during the entries involved polar crane damage assessment and continued remote decontamination of the 282 ft. elevation.

The weekly primary system water sample was taken. A gas sample was collected from the center control rod drive mechanism (CRDM), to determine the composition and the generation rate of gases from the core.

The center CRDM had been isolated and inerted with nitrogen on September 3, 1982. A "Base Line" gas sample that was taken then indicated the following:

hydrogen	-	below detectable limits
nitrogen	-	95.5%
oxygen	-	4.3%

Gas sample measurements on September 8, 1982, indicated a gas generation rate of 0.06 cubic feet per day; the gas sample indicated the following:

hydrogen	-	6.3%
nitrogen	-	87.4%
oxygen	-	4.3%
other gases	-	2%

Gas samples in the primary system will continue to be taken, to determine their composition and gas generation rate.

Two reactor building entries are scheduled for the week of September 12, 1982.

4. EPICOR II Prefilter Shipment. Preparations are being completed for the shipment of a third (in a series of 49) EPICOR II prefilters to Idaho National Engineering Laboratory (INEL). On-site gas measurements and nitrogen inerting of this EPICOR II PF-2 waste liner have been completed. The initial gas sample indicated 4.5% hydrogen, 95% nitrogen and non-detectable (<0.5%) oxygen. The PF-2 liner, which contains approximately 1800 curies of mixed fission products, was inerted with nitrogen to reduce the hydrogen concentration to <0.2%. The hydrogen gas generation rate in PF-2 indicated an acceptable storage and shipment period in excess of 70 days. Because of shipping cask availability delays, PF-2 will continue to be stored in the solid waste storage facility (SWSF) and is scheduled for shipment October 5, 1982.

To expedite future shipments, the licensee is making preparation for sampling and inerting PF-6. The PF-6 liner, which contains approximately 170 curies of fission products, will be placed in an existing SN-1 type B shipping cask (designed to withstand transportation accidents) to determine if this relatively low curie liner can meet the DOT/NRC dose rate requirements. This demonstration is expected to be completed by the end of September 1982.

Future Meetings

1. On Friday, September 17, 1982, Lake Barrett will attend a meeting of the Susquehanna Valley Alliance with Mr. Demetrios Basdekas of the NRC's Office of Nuclear Regulatory Research.
2. On Tuesday, September 28, 1982, Lake H. Barrett will participate in a public meeting sponsored by the Hershey League of Women Voters to discuss TMI Unit 2 cleanup issues.

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ENCLOSURE B



OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending September 10, 1982

Visit to Nuclear Fuel Services Plant

Fuel Facility Safeguards Licensing staff members visited the Nuclear Fuel Services Plant in Erwin Tennessee to discuss several safeguards issues related to material control and physical security licensing. The major item discussed was possible modifications to the existing process monitoring system which would improve response actions and the reliability of alarms.

Edlow Internation Company - East Saint Louis, Illinois

Special Nuclear Materials license number 1903 was issued to Edlow International Company on September 3, 1982. The license is for the receipt and storage of up to 1,500,000 kg of UF<sub>6</sub> enriched to 5% U-235. The material will be stored in 30" cylinders in a warehouse in East Saint Louis, Illinois.

Spent Fuel Cask

The General Electric Company and Carolina Power and Light Company have suspended use of the Model No. IF-300 rail cask for shipment of BWR spent fuel. The weight of the BWR fuel basket was found to be higher than analyzed. The higher weight of the fuel basket effects the stability of the basket and its ability to provide nuclear criticality control following the 30-foot free drop. The IF-300 cask will not be used for BWR spent fuel shipment until compliance with the requirements of 10 CFR Part 71 is demonstrated to NRC.

American Nuclear Society Workshop

John G. Davis, Director, NMSS will speak at the American Nuclear Society Workshop in San Diego, California on September 13, 1982. The subject of Mr. Davis' speech is Low-Level Radioactive Waste.

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ENCLOSURE C

OFFICE OF INSPECTION AND ENFORCEMENT  
Items of Interest  
Week Ending September 10, 1982

1. The following Significant Enforcement Actions were taken during the past week:
  - a. EN-82-11A, University of Michigan (Ann Arbor, MI) - An Order Imposing Civil Monetary Penalties in the amount of \$1,500 was issued on September 9, 1982. The action is based on a violation involving the failure to adequately evaluate the discharge of I-131 from a hood in the nuclear pharmacy.
  - b. EN-82-31, Orian Chemical Company (Provo, UT) - An Order to Show Cause Why The License Should Not Be Suspended and an Order Temporarily Suspending License (Effective Immediately) were issued on September 3, 1982. The action is based on violations involving refusal to make available to an NRC inspector records of transfer, contamination in areas outside the licensee's premises, possession of source material exceeding authorized limits, and incomplete records of receipt.
  
2. The following Preliminary Notifications were issued during the past week:
  - a. PNO-I-82-31B, Niagara Mohawk Power Company (Nine Mile Point Unit 1) - Linear Indications In Reactor Recirculation System Piping, Update.
  - b. PNO-I-82-57A, 57B, and 57C, Consolidated Coal Company (Library, PA) - Possible Rupture of Americium-241 Well Logging Sealed Sources.
  - c. PNO-III-82-84, Consumers Power Company (Palisades) - Return To Operations After Six-Week Outage.
  - d. PNO-III-82-85, Toledo Edison Company (Davis-Besse) - Return to Operations After 171 Day Outage.
  - e. PNO-III-82-86, Northern States Power Company (Prairie Island Unit 1) - Minor Unplanned Airborne Radioactivity Release.
  - f. PNO-III-82-87, Commonwealth Edison Company (LaSalle Unit 1) - Initial Synchronization With Grid.
  - g. PNO-III-82-88, Commonwealth Edison Company (Quad-Cities Units 1 and 2) - Deficiencies In Offsite Emergency Preparedness Plan.
  - h. PNO-III-82-89, Commonwealth Edison Company (Zion Unit 2) - Turbine Repair Outage.
  - i. PNO-III-82-90, Private Residence in Berkeley, Michigan - Decayed Radiopharmaceuticals Found In Private Residence.

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ENCLOSURE D

3. Other Items:

a. Division of Reactor Programs

- i. The members of the Construction Assessment Team (CAT), IE staff and consultants, met September 8-10, 1982 in the IE offices to finalize plans for the forthcoming inspections to be conducted at the Bellefonte (TVA) site.
- ii. Staff from the Division of Reactor Programs and Program Support Branch, IE and inspectors from Regions II and IV will visit the Loss of Fluid Test Facility and Power Burst Facility to review the management and procedural controls exercised during recent experiments at the facilities. This visit is being made at the request of RES.

b. Division of Engineering and Quality Assurance

Division staff are preparing IE Information Notices on Correction For Sample Conditions For Air and Gas Monitoring and Cracking In the Upper Shell To Transition Cone Girth Weld Of A Steam Generator At An Operating PWR. These notices will be issued in the near future.

c. Enforcement Staff

On September 7, 1982, NRC received a check for \$2,500 from Nuclear Fuel Services (Erwin, TN) for payment in full of civil penalty imposed on August 9, 1982 (EN-82-27).

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ENCLOSURE D

OFFICE OF NUCLEAR REGULATORY RESEARCH

Items of Interest

Week Ending September 10, 1982

FLECHT SEASET

A PMG meeting on the FLECHT SEASET program was held at EPRI in Palo Alto, California on August 26-27, 1982. An agreement was reached between NRC, EPRI and W on costs, workscope and schedule for the inclusion of COBRA-TF work as part of the 163 Blocked Bundle Task. W expects that all experiments related to the 163 Blocked Bundle Task will be done by mid-September 1982.

LOFT

A series of six nuclear tests were conducted in the Loss-of-Fluid Test (LOFT) reactor during the period August 26-31, 1982

The tests at INEL were designed to simulate abnormal or unusual occurrences in a large commercial pressurized water reactor and to simulate the capability of plant protection systems or operator procedures to return such a reactor to a safe shutdown condition.

Two tests in the series simulated the unexpected withdrawal of reactor control rods, which control the power output of a nuclear fuel core. Two control rod withdrawal rates--one slow and the other fast-- were investigated. In both tests, withdrawal of the control rods resulted in an increase in reactor power and a subsequent increase in the reactor cooling system temperature and pressure. In the two tests, the automatic plant safety features safely shut down the reactor without relying on operator intervention.

Three tests were designed to evaluate the effectiveness of operator recovery procedures when a small break in a pipe, less than one inch in diameter, occurs. The first two tests simulated a rupture of a single tube in a steam generator. In the third test, a small break in a pipe in the reactor's coolant system was simulated to allow water to leak into the reactor containment building.

The plant recovery procedures examined in each of the three tests were designed to reduce the primary coolant system pressure as rapidly as possible in order to minimize the leakage of radioactive water from the reactor vessel into the secondary coolant system, where it is more likely to escape into the environment. Each of the recovery procedures was effective in rapidly reducing the reactor cooling system temperature and pressure.

The final tests in this six-test series investigated a plant recovery procedure after forming a steam bubble in the upper part of the reactor vessel above the nuclear fuel. In this case, the reactor

operators lowered the temperature of the reactor cooling system while injecting water from an emergency backup system to refill the reactor vessel. The procedure was readily accomplished without allowing the water level in the reactor vessel to drop below the top of the nuclear fuel.

During some period of the tests, certain system conditions such as pressure and power changed at rates which were faster or slower than had been predicted. The overall system functioned as expected and it appears that all test objectives were met.

The next test in NRC's LOFT test program is an Anticipated Transient with Scram, initiated by a loss of all offsite power. This test, designated L9-4 is scheduled for September 22, 1982.

#### Semiscale

The Semiscale report covering the primary feed and bleed test is being reviewed in draft form by RES and NRR. The report addresses the results of the feed and bleed test by comparing the results with a RELAP5 test calculation, a RELAP5 calculation for a RESAR-3 plant, and the results of LOFT loss of feedwater tests which included feed and bleed cool down. Presentations are being prepared for the ACRS on the test results.

#### Data Bank

Data from Test 2201 of the GE Single Heated Bundle Facility were added to the data bank. Test 2201 was a refill-reflood performance test.

#### RELAP5

As a result of independent assessment effort, some modeling deficiencies in RELAP5/MOD1 have been identified. Some of the RELAP5 code developers are currently fixing these deficiencies.

#### 2D/3D

Miniature flow turbine flow meters have been successfully used in the Japanese Cylindrical and Slab Core Test Facilities to measure velocities of two-phase fluid. However, the stainless steel ball bearings used in these turbine flow meters had to be replaced

every four tests, which became a significant maintenance item. Also, with the stainless steel bearings the flow measuring range is only one decade; e.g., 1-10 m/s. Occasionally this constraint becomes significant because the upper limit of the measuring range is set by the worst case flow velocity in order to protect turbine from overspeeding and a decade from this upper limit may not extend far enough to cover all of the interested range. EG&G is investigating whether improved graphite bearings can be used to extend the service life and the measuring range.

#### Downcomer Mixing for Pressurized Thermal Shock

Two preliminary calculations of thermal mixing in a downcomer of a 3 loop W plant with no loop flow, have been received from consultants (Dr. S. Levy and Professor T. Theofanous) and transmitted to NRR (memo fm N. Zuber to E. Thom, "Downcomer Temperature with No Loop or Vent Valve Flow," dtd August 24, 1982).

These calculations indicate that the effects of:

- a. Heat transfer to the coolant from reactor vessel walls, piping and thermal shield, and
- b. Mixing (by natural convection or plume entrainment) of the fluid in the downcomer with that in the lower plenum,

are potentially important as they can raise the temperature of the fluid in the downcomer between 50°F and 200°F, depending on the time in the transient.

#### Publications to be Issued in the Near Future

Title: Information Relevant to Ensuring that Occupational Radiation Exposures at Uranium Mills Will Be As Low As Is Reasonably Achievable

Description: Provides guidance to uranium mill licensees for developing radiation protection and ALARA programs acceptable to the NRC licensing staff.

Contact: A. Roecklein  
443-5970

#### Publications Issued During the Week of September 6-10, 1982

Draft Regulatory Guide and Value/Impact Statement: Proposed Revision 1 to Regulatory Guide 5.37, "In Situ Assay of Enriched Uranium Residual Holdup", Task SG-047-4. Comments requested by November 15, 1982. Contact: S. Frattali (301-443-5976).



Draft Regulatory Guide and Value/Impact Statement: Proposed Revision 1 to Regulatory Guide 5.38, "Nondestructive Assay of High-Enrichment Uranium Fuel Plates by Gamma Ray Spectrometry", Task SG-048-4. Comments requested by November 18, 1982. Contact: S. Frattali (301-443-5976).

SEP 10 1982

ENCLOSURE E



ITEMS OF INTEREST  
OFFICE OF INTERNATIONAL PROGRAMS  
WEEK ENDING SEPTEMBER 10, 1982

Arrangement Activity

The EDO this week delegated IP Director James R. Shea to sign for NRC the renewal of the "NRC - Netherlands Ministry for Social Affairs and Employment Arrangement for the Exchange of Technical Information and Cooperation in Regulatory and Safety Research Matters" in the Hague on Wednesday, September 15, 1982. Chairman Palladino had planned to sign this arrangement in the Netherlands, before his travel was cancelled.

The Swiss Federal Office of Energy (FOE) this week returned to IP the completed renewal of the "NRC-FOE Arrangement for the Exchange of Technical Information and Cooperation in Nuclear Safety Matters." It was signed by Dr. Eduard Kiener, Director of the FOE, in Bern on August 10, 1982. The EDO had signed it for NRC in Bethesda on July 20. (See Items for weeks ending 7/23, 7/9, and 6/4/82.) IP has sent the arrangement to SECY for certification.

Foreign Visits to NRC

On Monday Dr. Christopher O'Farrelly of the Electricity Supply Board of Ireland presented a lecture to the NRC staff on the utilization of designed safety features in developing margins of safety in reactor operation.

On Monday Mr. J. Brisbois of the French Atomic Energy Commission (CEA) met with NRR and RES staff representatives to discuss operating procedures and a review of emergency operating guidelines.

On Monday and Tuesday Mr. Klaus Stadie, Deputy Director (Safety and Regulation) of the Nuclear Energy Agency (NEA), met with W. J. Dircks, EDO, and senior staff of NRR, RES, AEOD, and IP to discuss NRC representation on various Working Groups of the NEA's Committee on the Safety of Nuclear Installations (CSNI).

On Monday and Tuesday Mr. W. Vinck, Director General for Industrial Affairs of the Commission of the European Communities, met with (1) RES Director R. B. Minogue and senior RES staff to discuss the status of various rulemaking activities and the evaluation of LWR research programs; (2) M. Knapp and D. Fehringer of the NMSS High-Level Waste Licensing Branch to discuss the status of rulemaking on HLW management and disposal; (3) V. Stello, DEDROGR, to discuss recent developments in seismic licensing and generic regulatory requirements; (4) R. Purple, Deputy Director of the NRR Division of Licensing, to discuss the current situation on post-TMI reactor evaluation; and (5) J. N. Wilson of OPE to discuss safety goals.

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ENCLOSURE G

Foreign Visits to NRC Cont'd

On Tuesday and Wednesday Professor Yasumasa Togo of Tokyo University, and Technical Advisor to the Japan Science and Technology Agency (STA), and Assistant Professor Hideki Kodaira of Tokyo University toured Sandia to discuss severe core damage in LWRs and FBRs and visited LASL to discuss accident sequence analysis and related computer codes. Due to a personal illness, the visitors were unable to come to NRC on Friday as scheduled.

On Wednesday Commissioner Oscar Jimenez Reynaldo of the Spanish Consejo de Seguridad Nuclear (CSN) met with Commissioners Gilinsky, Ahearne, and Roberts as well as Messrs. R. B. Minogue and G. Arlotto, RES, and Messrs. T. Ippolito and W. Kane, NRR. Mr. Jose Villadoniga, a CSN assignee in NRR, and Dr. J. D. Lafleur and Ms. Donna Chenier, IP, also participated in the meetings.

House Nonproliferation Hearing

On September 8 IP staff attended a hearing of the Subcommittee on International Security and Scientific Affairs and Subcommittee on International Economic Policy and Trade regarding proposed legislation to amend the Nuclear Non-Proliferation Act of 1978. Speakers at the hearing from the Executive Branch were James Devine, State; Kenneth Davis, DOE; A. Turrentine, ACDA; and B. Denysyk, DOC. James Shea, Director, IP, provided NRC views on the proposed amendments.

The consensus of the Executive Branch speakers was that adoption of the proposed amendments to the NNPA would encumber the export-related review process and further enhance the perception of the U.S. as an unreliable trading partner.

Review of 10 CFR Part 810

At the September 8 House hearing it was revealed by DOE that revisions to 10 CFR Part 810 (nuclear technology transfers) would be published in the Federal Register soon. IP subsequently received, and is reviewing, a copy of the proposed revisions. NRC had already indicated, in a July 22 letter to Congressman Zablocki, that it intends to support a proposed change that would tighten DOE's Part 810 controls so that they coincide with the export controls on nuclear material and equipment exercised by NRC under 10 CFR Part 110. Staff comments on the proposed revision will be forwarded soon to the Commission.

\*TMI Upgrade Export to South Africa

\* Foreign Reports

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\* Deleted from PDR copy  
\*\* Indicates the reports are in English

SEP 10 1982

ENCLOSURE G

OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING SEPTEMBER 10, 1982

Training Course

Beginning Monday, September 13, OSP will be presenting a two-week course in licensing practices and procedures for twenty State personnel. Military and NRC licensing staff will also be in attendance.

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ENCLOSURE H

REGION V

ITEMS OF INTEREST

WEEK ENDING SEPTEMBER 10, 1982

Representatives of NRR and the Region V staff met with attorneys and representatives of California Governor Brown and the joint intervenors on Thursday, September 9, 1982, at the Hyatt Regency Hotel in San Francisco to discuss the Diablo Canyon Independent Design Verification Program Phase II and Pacific Gas and Electric Company's corrective action program. The meeting was open to the public.

SEP 10 1982

ENCLOSURE L

ITEMS ADDRESSED BY THE COMMISSION - WEEK ENDING SEPTEMBER 10, 1982

- A. SECY-81-582A - IMPLEMENTATION OF TMI ACTION PLAN II.F.2 (NUREG-0737)  
FOR BABCOCK AND WILCOX REACTORS; ADDITIONAL INSTRUMENTATION FOR  
DETECTION OF INADEQUATE CORE COOLING, Memo SECY to Dircks, 9/10/82

This is to advise you that we have closed out the file on this paper without any final Commission action. We anticipate that EDO will be providing updated recommendations on pressure vessel water level indicators at a forthcoming Commission briefing (now scheduled for October 7, 1982) and in an updated paper associated with that briefing.

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ENCLOSURE 0

SEP 17 1982

NRR MEETING NOTICES\*

September 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
9/13-14/82 9:00 am	50-029	516 Old Phillips Bethesda	Initiate the Integrated Assessment of Yankee	Yankee Atomic Elec. Co.	M. Boyle
9/13-15/82 9:00 am	50-362	San Onofre Site San Diego Cty., CA	Discuss San Onofre 3 Technical Specifications	Southern California Edison Co.	H. Rood
9/13-17/82 1:00 pm 9/13 8:30 am 9/14-17	50-400 50-401	Ebasco Office 2 World Trade Ctr. New York, NY	Conduct a structural design audit for Shearon Harris	Carolina Power & Light Ebasco	E. Licitra
9/14/82 9:00 am		P-110 Bethesda	To review GE's recent turbine inspec- tion results and the status of missile-analysis development	General Electric	W. Ross
9/14/82 9:00 am	50-335	P-114 Bethesda	Discuss St. Lucie Unit 1 Cycle 6 reload	Florida Power & Light Exxon Nuclear Co.	E. Conner
9/14/82 9:30 am		P-118 Bethesda	To review NNECO report dtd 8/6/82 and supplementary information related to Millstone 1 post LOCA oxygen forma- tion by water decomposition due to radiolysis	Northeast Nuclear Energy Co.	J. Shea

ENCLOSURE P

PLEASE BE ADVISED THAT DAILY RECORDINGS CAN BE HEARD ON 492-7166

\*Copies of summaries of these meetings will be made publicly available and placed in the respective docket file(s) in



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NRR MEETING NOTICES\*

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
9/14/82 9:00 am	50-389	P-422 Bethesda	Discuss with the Engineering Verification Program Task Managers the EVP and the measures used to assure the independence of the EVP	Ebasco CE Task Force Members (St. Lucie 2)	V. Nerses
9/14/82 9:00 am	50-424 50-425	MNBB-6110 Bethesda	Georgia Power Co. representatives will present details of the "Millett Fault Study"	Georgia Power Co.	J. Grant
9/15/82 9:30 am	50-289	P-422 Bethesda	Discuss GPUN's explosive expansion repair technique which will be used in the TMI-1 OTSGs	GPUN	R. Jacobs
9/15/82 8:30 am	50-537	Landow 1111 Bethesda	Clinch River Breeder Reactor TMBDB	DOE	R. Stark
9/15-16/82 9:00 am	50-483	Callaway Site Fulton, Missouri	Caseload Forecast Panel will review construction progress to collect data for assessing projected fuel load dates	Union Elec. Co.	G. Edison
9/16/82 9:00 am		P-114 Bethesda	EXXON Presentation of BWR Stability Methodology	EXXON ORNL	G. Schwenk
9/17/82 9:00 am	STN 50-546 STN 50-547	P-114 Bethesda	Discuss progress of the Standard Review Plan Conformance Review for Marble Hill 1 & 2	Public Service of Indiana	E. Doolittle
9/17/82 10:00 am	50-390 50-391	P-412 Bethesda	Discuss TVA's proposal for the QA independent design verification for Watts Bar 1 & 2	TVA	T. Kenyon

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NRR MEETING NOTICES\*

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
9/21-22/82 8:30 am	50-400 50-401	Shearon Harris Site near Raleigh, NC	Discuss responses to reactor systems branch review questions	Carolina Power & Light EG&G Ebasco Westinghouse	E. Licitra
9/21-22/82 8:30 am	50-537	Landow 1111 Bethesda	A working Chapter 7 (ICSB) review meeting with applicants	DCE, PMC, TVA	R. Stark
9/23/82 1:00 pm	50-344 50-364	P-114 Bethesda	To review APCO's evaluation and corrective action related to masonry walls at Farley Plant	Franklin Institute APCO Bechtel	E. Reeves

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\*Copies of summaries of these meetings will be made publicly available and placed in the respective docket file(s) in the NRC and local public document rooms.

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NMSS MEETING NOTICES  
Division of Waste Management

September 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
5/14/82		DOE Germantown, MD	Coordination on the Site Characterization Report-- Hanford HLW Report and Submission and NRC Review	H. Miller, R. J. Wright, R. Uleck, WMHT; M. J. Bell, WMHL; J. Bunting, WMPI; W. Ballard, DOE	H. J. Miller, WMHT
9/14/82		Willste Bldg., Silver Spring	Meeting with Engineers International to Discuss their Review of Task I Assignment for BWIP Proj.	T. Seamans, L. Chase, M. Nataraja, J. Greeves, WMHT; Mr. Rajaram, Mr. Dunn, Mr. Matahb, EI	T. Seamans, WMHT
9/15/82		Willste Bldg., Silver Spring	Pre-Workshop Meeting for the 10/4/82 Design Workshop at the BWIP Site	J. Greeves, L. Chase, M. Nataraja, WMHT; Mr. Pentz, Mr. Daemen, GAI; Mr. Corp, BOM; Mr. Rajaram, Mr. Kendorski, Mr. Hambley, EI; T. Schmitt, RES	J. Greeves, WMHT
9/16/82		Oak Ridge, TN	TA Contract Negotiations at ORNL	H. Miller, P. Justus, D. Brooks, WMHT; ORNL Staff	P. Justus, WMHT
9/16-17/82		Willste Bldg., Silver Spring	Retrieval Contract Review with Engineers International (EI)	L. Chase, D. Tiktinsky, L. Hartung, WMHT; Mr. Rajaram, Mr. Kendorski, Mr. Hambley, EI	L. Chase, WMHT
9/17-18/82		Willste Bldg, Silver Spring	Review of Engineered Barriers Contract for the 10/4/82 BWIP Design Workshop	J. Greeves, L. Pittiglio, M. Nataraja, WMHT; R. Cook, WMHL; Mr. Pentz, Mr. Talbot, Mr. Lester, and Mr. Koplick, GAI	J. Greeves, WMHT
9/20-23/82		Louisville, KY	Task Force Meeting of the Conference of Radiation Control Program Directors	P. Lohaus, WMLL	P. Lohaus, WMLL
9/21-22/82		Willste Bldg., Silver Spring	Hydrogeology Workshop	NRC BWIP Review Team; GAI; Williams-Robinette, Geotrans	T. Verma, WMHT

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NMSS MEETING NOTICES9/10/82Division of Fuel Cycle and Material Safety

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
9/22-23		West Valley, NY	To discuss drilling program with USGS and DOE.	DOE USGS W. Burkhardt (FC) T. Nicholson (ESBR)	W. Burkhardt
9/23-24	Project M-32	West Valley, NY	Monitoring site visit.	L. C. Rouse (FC) A. T. Clark (FC) J. Metzger (FFMB) Jerome Roth (RI) Richard Keimig (RI) DOE-West Valley Reps	A. T. Clark

Division of Safeguards9/10/82

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
9/20-21		Oak Ridge, TN	Meeting with Representatives of all Regions	Region Reps. Gene Sparks June Robertson Phil Robinson Ted Sherr	Gene Sparks

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IE MEETING NOTICES

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
9/27/82	-	EW Room 550 (Hearing Room)	Review W Program on Rod Guide Tube Support Pins, including the pin failures at North Anna 1	Westinghouse and Westinghouse Owners group I. Villalva, IE	I. Villalva, IE

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RES MEETING NOTICES

September 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/APPLICANT</u>	<u>NRC CONTACT</u>
	(If Applicable)				
9/7-17/82		Palo Verde NPS (PUNGS) Wintersburg, Arizona	Data collection for NPP CR Crew Analysis		John Lowry
9/7-17/82		Emmitsburg, Md.	Training	Beckner	Bill Beckner
9/13-15/82		New York City	ASME Code Meeting		E. Woolridge
9/13-17/82		Battelle - PNL	Program Review of programs with PNL	PNL staff	J. Muscara
9/14/82 9:00 AM		Nicholson Lane	Contract status discussions	Roy A. Haarman LANL	J. Ennis
9/14/82 9:00 AM		NBS	Review NBS progress on personnel dosimetry processor accreditation program	Goller, Morrison, Alexander, Dennis, Federline, & NBS personnel	R. Alexander
9/14/82		Holiday Inn Bethesda	NRC/ANS Meeting on Basic Thermal Hydraulic Mechanisms in LWR Analysis	EPB	Richard Lee/ C. Jupiter/D. Ross
9/15/82		MNBB 6116	Meet with ANS Standards Committee to discuss amendment to 50.55a	Arlotto, Anderson, Cooper, Hanauer, Vollmer	A. Taboada
9/15/82		Limerick NPP	Task Analysis	PA Power Co. GPC	J. Jenkins

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RES MEETING NOTICESSeptember 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/APPLICANT</u>	<u>NRC CONTACT</u>
	(If Applicable)				
9/15/82		Nicholson Lane	ANS information	A. Taboada	C. Serpan
9/15-16/82		Underwriters Laboratories, Northbrook, IL	Fire testing of new material/system by American Vomag Co. for 1-hour protection of electrical cable trays	D. P. Notley A. Datta	D. P. Notley
9/16/82		H Street	ACRS ECCS Subcommittee	Sullivan Landry	Harold Sullivan
9/16/82 8:00-4:00		INEL	Technical review of research program	P. Reed, RES B. Motes, INEL E. Williams, IE M. Jamgochian, RES	M. Jamgochian
9/16/82		OMB	Meeting with OMB on Severe Accident Policy and Research		Ross/Mattson
9/16-17/82		NL-014	Discuss mechanical equipment qualification research program with contractor	B. Saffell (EG&G) J. Hunter (EG&G) G. Bagchi (NRR) Z. Rosctoszy (NRR) Richardson, Campbell, Anderson, Gregg	W. Campbell
9/17/82		EPRI Downtown Wash., DC	Thermal Mixing Design Review Meeting	Reyes Sullivan	Jose Reyes

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RES MEETING NOTICES

September 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/APPLICANT</u>	<u>NRC CONTACT</u>
	(If Applicable)				
9/17/82 10:00 AM		DOE Germantown	Discuss coordination of management and joint funding for both measurements and dosimetry placement	Alexander, Federline, McElroy & DOE Staff	M. Federline
9/17/82		Downtown ?	B&W Meeting	Sullivan	Harold Sullivan
9/18-10/2/82		Europe			C. Serpan
9/20/82 8:00-4:00		ORNL Oak Ridge, TN	Technical Review of Research Program	J. Sorsenson, ORNL M. Jamgochian, RES B. Grimes, IE	M. Jamgochian
9/20-21/82		Richland, WA	Review of work on "Statistical Nuclear Material Accountability" Project	M. Bowen, PNL R. Brouns, PNL R. Kennison, PNL	J. Branscome
9/20-21/82 8:30 AM		Nicholson Lane Room 013	Noise Surveillance & Diagnostics Research Review Group Meeting	Personnel from ORNL, RES, NRR, IE	G. Lewis
9/20-24/82		Niagara Falls, Ontario	Attend EPRI/NRC technical exchange meeting on Corrosion/Product Decon. Effectiveness		M. Jankowski
9/20-24/82		Niagara Falls, Ontario	Attend meeting on contract #B2303, "Decon. as a Precursor to Decommissioning"		P. Worthington

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RES MEETING NOTICES

September 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/APPLICANT</u>	<u>NRC CONTACT</u>
	(If Applicable)				
9/21/82		Rockville, MD	Briefing on NDA Parameters Study	G. Borgonovi, SAI	Joe Rivers
9/21/82 9:00 AM Tentative		Baltimore Gas & Electric Baltimore, MD	Discussion of informational needs on Calvert Cliffs 1 for USI A-47	Wenz-nger, Basdekas, ORNL personnel	D. Basdekas
9/22/82 9:00 AM		Nicholson Lane	Solid State Motor Controllers Research Planning Meeting	G. Miller, ORNL	B. Marcus
9/22/82 8:00-4:00		ORNL Oak Ridge, TN	Technical review of Research programs and discussion of FY '83 programs in area of licensee qualifications	P. Haas, ORNL D. Selby, ORNL C. Overbey, RES E. Merschoff, RES	E. Merschoff
9/22-23/82		Seattle, WA	Review of work and discussions about "Recommendations for Strengthening IAEA Safeguards Project"	N. Harms, PNL M. Mullen, HARC T. Shea, INET	J. Branscome
9/22-24/82 8:00-4:00 each day		McLean, VA	IEEE Software QA Guide Working Group meeting to develop guide reps. for ANSI/IEEE 730-1981	Various industry	W. Belke
9/24/82		Seattle, WA	Discussions and review of work in progress on "Cumulative Shipper-Receiver Differences" Project		

ENCLOSURE P

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REGION II MEETING NOTICES

SEPTEMBER 10, 1982

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
9/14/82		Charlotte, NC	SALP Board Meeting	Licenseses & Selected RII Staff Members NRR Staff Members	M. Sinkule
9/18/82		Mineral, VA	Full Scale Emergency Preparedness Drill	Selected RII Staff Members will be participating and observing	P. Stohr
9/21/82		Miami, FL	SALP Board Meeting	Licensee/Selected Staff Members	M. Sinkule
9/23-24/82		Atlanta, GA	NRC Senior Management Meeting	EDO, RAs, Program Office Directors and Selected Senior HQs Staff Members	J. O'Reilly

ENCLOSURE P