


September 19, 1979

For: The Commissioners
From: T. A. Rehm, Assistant to the Executive Director for Operations
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING SEPTEMBER 14, 1979

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

<u>Contents</u>	<u>Enclosure</u>
Administration	A
Nuclear Reactor Regulation	B
Standards Development	C
Nuclear Material Safety and Safeguards	D
Inspection and Enforcement	E
Nuclear Regulatory Research	F
Executive Legal Director	G
International Programs	H
State Programs	I
Management and Program Analysis	J
Controller	K
Items Approved by the Commission	L**
Calendar of Speaking Engagements	M


T. A. Rehm, Assistant to the
Executive Director for Operations

Contact:
T. A. Rehm
49-27781

*No input this week.
**Deleted from Commissioners and PDR copy.

7910020119

Items of Interest

Week Ending September 14, 1979

1. TMI Unit No. 2

The analysis of a sample of water taken August 25 from Three Mile Island Nuclear Station's Unit No. 2 Containment Building has been completed. The following chart shows the sample results:

<u>ISOTOPE</u>	<u>uCi/ml</u>		
	<u>TOP SAMPLE</u>	<u>MIDDLE SAMPLE</u>	<u>BOTTOM SAMPLE</u>
Cesium-137	176	179	174
Cesium-134	40	40	39.6
Lanthanum-140	0.09	0.078	0.014
Tritium	1.03	1.05	1.01
Iodine-131	0.012	0.012	0.013
Strontium-90	2.70	2.90	2.83
Strontium-89	43.6	40.6	42.1

2. Fort St. Vrain

FSV has been shut down since August 31 due to non-compliance with IE Bulletin 79-14, Seismic Hangers. An audit has revealed 12 hangers in non-compliance with the Bulletin. PSCo performed additional computer analyses and has determined that the hangers, in an as-built configuration, are in compliance with I&E 79-14. PSCo intends to notify I&E Reg. IV of this fact in order to obtain permission to start up FSV on September 17, 1979.

3. Joint NRC/EPA/OSHA Hearing

EPA staff has advised NRC that the advance notice of hearing on occupational radiation protection standards was signed on September 11, 1979. The advance notice is substantively the same as that approved by the Commission on May 7, 1979. EPA is now considering holding hearings on this subject in at least one location other than Washington, D.C. It now appears that most of the technical disagreements on the proposed new EPA guidance on occupational exposures have been resolved.

1075 193

STATUS OF SHUTDOWN PLANTS
(Sept. 12, 1979)

Arkansas 2	Cond. Tube leak	Restart
Big Rock Point	Control Rod Drive Leak	Restart 10/15/79
Browns Ferry 3	Reload	Restart 11/24/79
Brunswick 1	Maintenance	Restart 9/20/79
Brunswick 2	Maintenance	Restart In Progress
Calvert Cliffs 2	Pump Motor Failure	Restart 9/17/79
Cooper	Pump Seal	Restart 9/16/79
Crystal River 3	Pump Seal	Restart In Progress
Dresden 1	ECCS Inspection	Restart 4/80
Farley 1	Anchor Bolts	Restart 10/1/79
Humboldt Bay	Seismic Evaluation	Restart ?
Indian Point 1	ECCS	Restart ?
Maine Yankee	Plant Maintenance	Restart 10/1/79
Oconee 1	Crack in System	Restart 9/21/79
Oconee 3	Anchor Bolts	Restart 9/20/79
Palisades	Reload	Restart 12/1/79
Salem 1	Anchor bolts and purge valves	Restart 10/25/79
Surry 1	Seismic	Restart 9/24/79
Surry 2	St. Gen. Replacement	Restart 11/24/79
Three Mile Island 1	Order	Restart ?
Three Mile Island 2	Accident	Restart ?
Yankee Rowe	NRC Bulletin	10/25/79

POOR
ORIGINAL

1075 194

OFFICE OF ADMINISTRATION

Week Ending September 14, 1979

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Received	413	28
Granted	282	9
Denied	65	12
Pending	66	7

ACTIONS THIS WEEK

Received

Michael Rose,
Committee to Bridge
the Gap
(79-368)

Requests a copy of the Special Nuclear Materials License issued to Atomics International, a division of Rockwell International.

Diane E. Findley,
Science Applications, Inc.
(79-369)

Requests a copy of the Ecological Analysts' proposal submitted in response to RFP No. RS-NMS-79-024.

Jeremiah S. Gutman,
Attorney-At-Law
(79-370)

Requests all records relating to the Nuclear Development Association, United Nuclear Corporation, and Gulf United Nuclear Corporation.

Anthony Z. Roisman,
Natural Resources
Defense Council, Inc.
(79-371)

Requests all documents prepared or received in connection with the preparation of NUREG-0459 and with the preparation of the upgraded physical protection regulations in 10 CFR Part 73.

Christopher McLeod
(79-372)

Requests all documents regarding the Uranium Tailings spill at the United Nuclear Corporation's Church Rock mine in New Mexico.

Samuel R. Dolgow,
Attorney-At-Law
(79-373)

Requests a copy of the sequence of events report authored by Victor Stello regarding TMI.

William A. Horin,
Attorney-At-Law
(79-374)

Requests three documents referred to in SECY-79-305, "NRC Compliance with CEQ NEPA Regulations".

CONTACT: J. M. Felton
492-7211

1075 195

ENCLOSURE A

Received, Cont'd

Marilyn Zarski
(79-375)

Requests seven categories of documents relating to the shipments of 210 tons of spent fuel rods from the San Onofre nuclear power plant to the storage facility in Morris, Illinois.

Jan L. Kodner,
Citizens Against
Nuclear Power
(79-376)

Requests documents since July, 1979, regarding the delay in construction of the LaSalle nuclear power plant.

Dennis E. Daneau,
Stop Uranium Now
(79-377)

Requests information relating to radioactive waste and rock removed from the PM-3A site in Antarctica to California.

Dean Hansell,
State of Illinois
(79-378)

Requests procedures and standards for persons outside the NRC to obtain classified documents.

Manuel Kessler,
The Prudential Insurance
Company of America
(79-379)

Requests a list of NRC personnel located in the Washington, DC and Maryland areas.

Bruce J. Weston,
Office of the Consumers'
Counsel
(79-380)

Requests all correspondence between the Cincinnati Gas and Electric Company and the NRC within the past year, relating to the delay for the W.H. Zimmer nuclear power plant, Unit 1.

(An NRC employee)
(79-381)

Requests a copy of the transcript of the closed Commission meeting regarding the conversion of GS-16s to the SES.

John J. Fialka,
The Washington Star
(79-382)

Requests access to portions of the telephone tapes made during the Three Mile Island accident which were not transcribed, and the internal policy memoranda governing the transcription process.

Granted

John Parks Hopkins,
Consumers' Counsel
(79-189)

In response to a request for access to fourteen items of information pertaining to the Davis-Besse Nuclear Plant, Unit 1, made available 15 documents.

Deborah C. Wyatt,
Lowe, and Gordon, Ltd.
(79-318)

In response to a request for documents within the past 24 months regarding plans for uranium mining, milling, conversion, enrichment, or reprocessing of nuclear wastes in the State of Virginia, informed the requester this information is available at the PDR.

1075 196

ENCLOSURE A

Granted, Cont'd

Douglas O. Lee,
Americans for Nuclear
Energy
(79-324)

In response to a request for the preceding employment, both federal and non-federal, of 40 Nuclear Regulatory Commission employees, made available this information.

Russell W. Busch,
Attorney-At-Law
(79-337)

In response to a request for documents regarding the removal of Samuel Jessch as Chairman of the Atomic Safety and Licensing Board, made available five documents.

Russell W. Busch,
Attorney-At-Law
(79-338)

In response to a request for information relating to selection and qualifications of Valentine Deale as Chairman of an Atomic Safety and Licensing Board, NRC instructions to the ASLB Chairman, and a copy of the NRC Manual, made available three documents.

Richard P. Pollock,
Critical Mass
Energy Project
(79-339)

In response to a request for documents pertaining to the occupational exposure to ionizing radiation of workers at the Nuclear Fuel Services nuclear facility in Erwin, Tennessee, from January 1, 1969 to the present, sent a copy of a Compilation of Annual Personnel Whole Body Exposures for NFS, Erwin, TN, and informed the requester that other information is available at the PDR.

Harold J. Gabriel,
Attorney-At-Law
(79-353)

In response to a request for documents concerning the Perry Nuclear Power Plant, made available 23 documents.

Fred Eberlein,
Control Data
Corporation
(79-355)

In response to a request for a copy of all contracts and purchase orders for computer services being provided to the NRC, made available the non-proprietary versions of the presently active time-sharing computer services contracts.

Tom Knight
(79-357)

In response to a request for information concerning accidents "larger than Three Mile Island", informed the requester the NRC has no documents which specifically respond to this question.

William Ramsey,
American Friends
Service Committee
(79-365)

In response to a request for documents relating to accidents at the Y-12 facility in Oak Ridge, Tennessee, informed the requester the NRC has no documents.

Samuel R. Dolgow,
Attorney-At-Law
(79-373)

Made available a copy of the sequence of events at TMI authored by Victor Stello.

1075 197

Granted, Cont'd

Manuel Kessler,
The Prudential Insurance
Company of America
(79-379)

Informed the requester he may obtain from GPO a copy of the NRC telephone directory containing a list of NRC personnel located in the Washington, DC and Maryland areas.

Laurie Burt,
Assistant Attorney
General, State of
Massachusetts
(79-A-22-79-231)

Made available nine categories of documents relating to radiological emergency plans.

Denied

Aldo P. Osti,
Pfizer, Inc.
(79-134)
and

Ellyn R. Weiss,
Sheldon, Harmon,
Roisman & Weiss,
on behalf of UCS
(79-167)

and
Beverly T. Elkins,
Milton High School
(79-179)

In response to requests for documents relating to the Three Mile Island, Unit 2 incident, made available documents in the PDR. Denied five documents in their entirety and portions of 88 documents (primarily those relating to personal privacy).

Michael J. Horowitz,
Attorney-At-Law
(79-A-18-79-201)

The EDO continued to deny on appeal four documents relating to the selection of the Director, Division of Organization and Personnel, on the basis that disclosure would cause an unwarranted invasion of personal privacy. Additional portions of two documents were released.

1075 198

DIVISION OF CONTRACTS

Week Ending September 14, 1979

PROPOSALS UNDER EVALUATION

1. RFP RS-NRR-79-118
Title - Engineering Support for Operating Reactor Licensing Actions
Description - The NRC is seeking assistance with its review and evaluation of pending operating reactor licensing actions. Assistance is needed to: (1) review licensee submittal, (2) perform comparative evaluations relative to established regulatory guides, (3) provide a report documenting conclusions reached, and (4) provide a definition of additional information needed to complete the action.
Period of Performance - Three to five years
Sponsor - Office of Nuclear Reactor Regulation
Status - Best and Final offers due September 17, 1979.

2. RFP RS-OIE-79-257 (Step one of two-step IFB)
Title - Region III Mobile Laboratory
Description - Special vehicle designed to be used for conducting the confirmatory measurements program to evaluate the capability of the licensee to measure radioactivity in effluents.
Period of Performance - Ninety days (tentative)
Sponsor - Office of Inspection and Enforcement
Status - Clarifications received from offerors in the competitive range of acceptability September 12, 1979. Copies forwarded to Evaluation Board for evaluation.

3. RFP RS-ADM-79-390
Title - NRC Publication Distribution Services
Description - Maintaining NRC standard mailing lists and publications inventory. Fulfillment of NRC distribution requirements and free requests for copies of NRC publications and related activities.
Period of Performance - Twenty-four months
Sponsor - Office of Administration
Status - Final evaluation report and recommendation for award prepared by Source Evaluation Panel September 10, 1979.

4. RFP RS-ADM-79-399
Title - MPA Management Information Systems Support Services
Description - Development, maintenance and/or operation of automated management information systems in support of OMPA objectives.
Period of Performance - One year with two option years
Sponsor - Office of Management and Program Analysis
Status - Source Evaluation Panel meeting September 14, 1979 to review final evaluation and prepare recommendation for award.

ENCLOSURE A

1075 199

5. RFP RS-ADM-79-668
 Title - NRC/TMI Special Inquiry Report Services
 Description - To provide publication assistance and management which includes writing, editing, graphics, composition, and printing and binding service for the NRC/TMI Special Inquiry Report.
 Period of Performance - Five months
 Sponsor - Office of Administration
 Status - Selection approved by Designating Official and Contracting Officer September 11, 1979.

6. IFB RS-SEC-79-350
 Title - Stenographic Reporting Services
 Description - Furnish stenographic reporting services for hearings, press briefings, Commission meetings, security interviews, and other meetings as required.
 Period of Performance - Two years
 Sponsor - Office of the Secretary
 Status - Bids opened September 7, 1979. Responsibility determinations in process.

CONTRACT AWARDS

1. NRC-10-79-387
 Title - Career Counseling
 Description - A four-hour course in four individual sessions for approximately 100 NRC employees.
 Period of Performance - One year
 Sponsor - Office of Administration
 Status - A fixed price indefinite quantity contract in the amount of \$15,682.89 was awarded to Binder, Elster, Mendelson and Wheeler, Inc., Bethesda, Md.

2. NRC-10-79-395
 Title - On-Call Maintenance for NRC Computer Peripheral Equipment
 Description - Provide on-call maintenance services for Government-owned computer peripheral equipment located in NRC's Bethesda, Rockville, Silver Spring, and Washington offices.
 Period of Performance - One year with two one-year options to renew.
 Sponsor - Office of Administration
 Status - A Time and Materials contract with a ceiling amount of \$15,000.00 was awarded to Computer Systems Support Corporation, Gaithersburg, Md.

3. NRC-10-79-658
 Title - Microfiching Services - Oak Ridge, Tennessee
 Description - Services to produce microfiche from materials or documents furnished by NRC but located in Oak Ridge, Tennessee.
 Period of Performance - One month from the effective date of contract.
 Sponsor - Office of Administration
 Status - Fixed price requirements contract awarded to Microtech Industries, Inc., in the amount of \$19,488.00

DIVISION OF SECURITY
Items of Interest
Week Ending September 14, 1979

UKAEA/NRC Visit

United Kingdom Atomic Energy Authority personnel (R. N. Simeone, Principal Officer, and F. J. Sidwell, Director, Security Branch) and Nuclear Regulatory Commission personnel (R. Brady, M. King and R. Whipp of Security, as well as P. Bird and R. Davis of Organization and Personnel) met on September 14, 1979, to discuss matters of mutual interest.

1075 201

ENCLOSURE A

OFFICE OF NUCLEAR REACTOR REGULATION

WEEKLY ITEMS OF INTEREST
(Week Ending September 14, 1979)

TMI Unit No. 2

The analysis of a sample of water taken from Three Mile Island Nuclear Station's Unit No. 2 Containment Building has been completed. The sample was taken August 25, 1979 with a Babcock & Wilcox developed probe device utilizing one of several existing spare penetrations through the Unit No. 2 Containment Building.

Samples were taken at the top, middle and bottom of the approximately 600,000 gallons of water volume that has collected in the Building since the March 28, 1979 accident. The sample, less than a cup, was analyzed at the Oak Ridge National Laboratory in Tennessee. It is uncertain as to how representative the sample is of the total volume of water.

The following chart shows the sample results. Sample analyses show that oil from equipment and dirt from the Building surfaces are present in the water in very small quantities.

<u>ISOTOPE</u>	<u>uCi/ml</u>		
	<u>TOP SAMPLE</u>	<u>MIDDLE SAMPLE</u>	<u>BOTTOM SAMPLE</u>
Cesium-137	176	179	174
Cesium-134	40	40	39.6
Lanthanum-140	0.09	0.078	0.014
Tritium	1.03	1.05	1.01
Iodine-131	0.012	0.012	0.013
Strontium-90	2.70	2.90	2.83
Strontium-89	43.6	40.6	42.1

1075 202

Fort St. Vrain

FSV has been shut down since August 31 due to non-compliance with I&E Bulletin 79-14, Seismic Hangers. An audit has revealed 12 hangers in non-compliance with the Bulletin. PSCo performed additional computer analyses and has determined that the hangers, in an as-built configuration, are in compliance with I&E 79-14. PSCo intends to notify I&E Reg. IV of this fact in order to obtain permission to start up FSV on September 17, 1979.

San Onofre, Unit 1

Southern California Edison (SCE) has discovered two cracks in the low pressure discharge piping of the refueling water storage tank (8 inch - schedule 10 stainless steel pipe). One crack is through wall and is weeping slightly; the other crack has not penetrated the wall of the pipe.

The reactor is operating. The cracked areas of the pipes have been strengthened by pipe clamps installed on the OD of the piping spanning each of the weld joints containing crack indications.

SCE is considering bringing the reactor to hot shutdown over the weekend of September 22 to inspect the inaccessible piping in accordance with the provisions of I&E Bulletin 79-17. SCE has proposed to repair the two cracks during the next San Onofre refueling outage (March 1980).

Yankee Rowe

The inspection of feedwater piping performed at Yankee Rowe in accordance with I&E Bulletin 79-13 has identified cracks in all (4) of the feedwater to steam generator field welds. Licensee evaluation of the findings is in progress. The plant was shutdown on September 8, 1979 and remains shutdown. The duration of the outage is not known at this time.

Zion Units 1 and 2

Evidence of minor leaks were observed in welds at or near the pipe connection to the Refueling Water Storage Tanks (RWST) of the Zion Units 1 and 2 during an examination performed to comply with Bulletin 79-17. Heavy dry boric acid deposits were observed at one of three containment spray suction lines in Unit 1 and at an RHR circulation line in Unit 2, at locations where the pipe penetrates the concrete structure.

A visual examination of the pipe and the adjacent regions of the tanks revealed no obvious reason for the leaks. However, suspect welds were observed at a liner to plate juncture in Unit 1 and at a filler line to nozzle attachment in Unit 2.

The licensee plans to examine the suspect areas further using penetrant tests after draining the tanks during the next refueling cycle. This occurs in October 79 for Unit 1 and March 1980 for Unit 2. In the interim the piping will be monitored regularly for evidence of deterioration of the condition using visual examination with blotting paper and checking further for borated water accumulation in the sumps under the tanks. Further, the RHR pipe with the suspect weld in Unit 2 has been plugged temporarily to avoid leakage.

A seismic analysis of the piping has been completed by the licensee and is being submitted to NRC for review.

1075 203

ENCLOSURE B

Prairie Island

The Fire Protection review for the Prairie Island Plant is completed and the Safety Evaluation Report was issued September 6, 1979. No open issues remain to be resolved.

Hatch No. 1

On September 9, 1979 the staff issued an amendment to Hatch Unit No. 1. The amendment revised the surveillance requirements for the Residual Heat Removal (RHR) Service Water System (SWS) pump discharge pressure. Although the amendment still assures a positive pressure on the SWS side of the RHR heat exchanger, the licensee will meet with the staff to discuss the past performance of these type pumps and the implications of operational problems experienced with vertical turbine pumps at Hatch and any implications on long term RHR cooling capability.

1075 204

STATUS OF SHUTDOWN PLANTS
(Sept. 12, 1979)

Arkansas 2	Cond. Tube leak	Restart
Big Rock Point	Control Rod Drive Leak	Restart 10/15/79
Browns Ferry 3	ReLoad	Restart 11/24/79
Brunswick 1	Maintenance	Restart 9/20/79
Brunswick 2	Maintenance	Restart In Progress
Calvert Cliffs 2	Pump Motor Failure	Restart 9/17/79
Cooper	Pump Seal	Restart 9/16/79
Crystal River 3	Pump Seal	Restart In Progress
Dresden 1	ECCS Inspection	Restart 4/80
Farley 1	Anchor Bolts	Restart 10/1/79
Humboldt Bay	Seismic Evaluation	Restart ?
Indian Point 1	ECCS	Restart ?
Maine Yankee	Plant Maintenance	Restart 10/1/79
Oconee 1	Crack in System	Restart 9/21/79
Oconee 3	Anchor Bolts	Restart 9/20/79
Palisades	Reload	Restart 12/1/79
Salem 1	Anchor bolts and purge valves	Restart 10/25/79
Surry 1	Seismic	Restart 9/24/79
Surry 2	St. Gen. Replacement	Restart 11/24/79
Three Mile Island	Order	Restart ?
Three Mile Island 2	Accident	Restart ?
Yankee Rowe	NRC Bulletin	10/25/79

1075 205

OFFICE OF STANDARDS DEVELOPMENT

IMPORTANT EVENTS FOR THE WEEK ENDING SEPTEMBER 14, 1979

1. On September 10, 1979, Keith Steyer, Don Calkins and Pete Erickson met with 23 members of the Japanese Study Mission on Decommissioning of Nuclear Power Plants in the United States. The status of the Plan for Reevaluation of NRC Policy on Decommissioning of Nuclear Facilities and the decommissioning of test and power reactors thus far completed in the United States were discussed.

From the number of their questions, the Study Mission members were particularly interested in present NRC decommissioning policy and rules and in levels of contamination for unrestricted release which would be proposed in rule amendments.

2. Joint NRC/EPA/OSHA Hearing: EPA staff has advised us that EPA Assistant Administrator Hawkins, on September 11, 1979, signed the advance notice of hearing on occupational radiation protection standards. The advance notice is substantively the same as that approved by the Commission on May 7, 1979. EPA is now considering holding hearings on this subject in at least one location other than Washington, D.C., and requests, in the advance notice, public comment on desirable locations.

With respect to the proposed new EPA guidance on occupational exposures, which is the central focus for the hearing, it now appears that most of the technical disagreements among agency representatives have been resolved. EPA staff is optimistic that the draft guidance document can be published in the Federal Register in late fall 1979, with the hearing to be held shortly thereafter.

[R. A. Purple - 443-5855]

Publications Issued During the Week of Sept. 10-14, 1979

Reg. Guide 8.20, Rev. 1 - Applications of Bioassay for I-125 and I-131
[Issued to Reflect Comments]

Draft Regulatory Guide and Value/Impact Statement: Audible-Alarm Dosimeters
Task OH 804-4 [Comments requested by January 11, 1980]

1075 206

ENCLOSURE C

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending September 14, 1979

Public Meetings Scheduled on GEIS on Uranium Milling and Proposed Rules

Public meetings on the GEIS on Uranium Milling and proposed rule changes have been scheduled in Denver, Colorado, (October 1 & 2) and in Albuquerque, New Mexico, (October 18 & 19). The comment period on the Draft GEIS has been extended to October 24, 1979.

Information Exchange Meeting

NRC staff members and representatives of EPA and the states of South Carolina and Washington met to discuss current low-level waste issues and problems on September 6-7, 1979. Key issues discussed included free-standing liquids in low-level waste shipments, solidification of resins and sludges, and disposal of decontamination agents, liquid scintillation fluids, and large volume/low activity waters.

Import Information Request from Congressman Neal (N.C.).

A telephone request was received from Rob Wrigley of Congressman Neal's staff for the total amount of spent fuel imported into the U.S. during the past five years. Specific information requested includes the shipper, the number of shipments, and the quantity. The data is being retrieved from the Nuclear Materials Management and Safeguards System (NMMSS) at Oak Ridge, Tennessee, and will be transmitted to the Congressman's office in a few days.

Enhancement of the Nuclear Materials Management and Safeguards System (NMMSS).

An 8-month contract, effective September 24, 1979, has been awarded to the Boeing Computer Services for clarifying and enhancing the data contained in the NMMSS. The purpose of this effort is to implement procedures for improving Inventory Difference and Authorized Possession Limit data and to examine and resolve data and reporting problems such as shipper/receiver differences and limits of error.

1075 207

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending September 14, 1979

1. Niagara Mohawk Power Corporation (Nine Mile Point) - Civil Penalty Action - On September 13, 1979, the Commission received a check from the subject licensee in the amount of \$18,000 in full payment of the civil penalty imposed by Order issued on August 21, 1979.
2. Virginia Electric and Power Company (Surry Unit 2) - Civil Penalty Action - By letter dated September 4, 1979, the licensee responded to the Notice of Proposed Imposition of Civil Penalties in the amount of \$15,000 issued on August 15, 1979. The licensee requested full remission of the proposed penalties on the basis of the decision reached by the Atomic Safety and Licensing Appeals Panel in the matter of Atlantic Research Corporation.
3. Preliminary Notifications relating to the following actions were dispatched during the past week:
 - a. PNO-79-395A Zion Units 1 & 2 - Degradation of Refueling Water Storage Tank (RWST) to Piping Weld and RWST Plate/Plate Weld
 - b. PNO-79-397A Comanche Peak Unit 2 - Inadvertent Omission of Reinforcing Steel in Reactor Containment Wall
 - c. PNO-79-401 Three Mile Island Units 1 & 2 - Radioactive Contamination of Contractor Laboratory Personnel
 - d. PNO-79-402 Trojan - Reactor Trip, Safety Injection, and Valve Failure
 - e. PNO-79-403 Palisades - Release of Incorrect Radioactive Waste Gas Tank
 - f. PNO-79-404 Surry Unit 1 - Immediate Action Letter Issued on Compliance With IE Bulletin 79-02
 - g. PNO-79-405 Texas A & M University - Soil Contamination
 - h. PNO-79-406 Arkansas Nuclear One Unit 2 - Unit Shutdown for Condenser Repairs
 - i. PNO-79-407 Purdue University - Storage of Low Level Radwaste
 - j. PNO-79-408 Davis-Besse Unit 1 - Shutdown Exceeding Two Days
 - k. PNO-79-409 Calvert Cliffs Unit 2 - Forced Outage Resulting From a Reactor Coolant Pump Motor Failure
 - l. PNO-79-410 Marble Hill Units 1 & 2 - Alleged Falsification of Quality Records

1075 208

- m. PNO-79-411 San Onofre Unit 1 - Pipe Cracks in Safety-Related Stainless Steel Piping
 - n. PNO-79-412 LaCrosse - Breakdown in Administrative Control of Low Recirculation Flow Bypass Switches
 - o. PNO-79-413 Yankee Rowe - Crack Indications in Feedwater Piping
 - p. PNO-79-414 Vehicle Accident Involving Radioactive Medical Isotopes in Hollywood, Florida
 - q. PNO-79-415 & -415A Hurricane Frederic
 - r. PNO-79-416 Calvert Cliffs Units 1 & 2 - Inadvertent Release of Acid and Caustic to the Chesapeake Bay
 - s. PNO-79-417 Bellefonte Unit 2 - Industrial Fatality
 - t. PNO-79-418 San Onofre Units 2 & 3 - Crane Failure at San Onofre Unit 3
 - u. PNO-79-419 Brunswick Unit 2 - Shutdown Caused by Nuclear Service Water Leak
 - v. PNO-79-420 Transportation Accident
 - w. PNO-79-100 & 100A Offer to Sell Weapons Grade Uranium
4. The following IE Bulletins were issued:
- a. Supplement 2 to IE Bulletin No. 79-14, "Seismic Analyses for As-Built Safety-Related Piping Systems," was issued on September 7, 1979 to all power reactor facilities with an operating license or construction permit.
 - b. IE Bulletin No. 79-23, "Potential Failure of Emergency Diesel Generator Field Exciter Transformer," was issued on September 12, 1979 to all power reactor facilities with an operating license or construction permit.
5. The following IE Circulars were issued:
- a. IE Circular No. 79-18, "Proper Installation of Target Rock Safety-Relief Valves," was issued on September 10, 1979 to all power reactor facilities with an operating license or construction permit.
 - b. IE Circular No. 79-19, "Loose Locking Devices on Ingersoll-Rand Pumps," was issued on September 13, 1979 to all power reactor facilities with an operating license or construction permit.

1075 209

OFFICE OF NUCLEAR REGULATORY RESEARCH

Important Items - Week Ending September 15, 1979

Fracture Toughness Measurement Facility

The Naval Research Laboratory has successfully completed installation and checkout of an in-cell experimental facility for determination of the fracture toughness of large irradiated metallurgical test specimens. The facility is unique because it permits testing to develop fracture toughness values of fully ductile materials using the NRC-developed technique of J-R curves. Initial measurements have already been made in FY 1979. Testing is now beginning on the full complement of test specimens of sizes up to 4-inches thick previously irradiated by the HSST Program at ORNL. The results will provide key data for input to Task Action Plan A-11 on Fracture Toughness of Reactor Vessel Material, and will permit NRC to better assess the safety margins in reactor vessels that have been subject to long term service.

Validation of Reactor Vessel Surveillance Dosimetry

Two NRC contractors have recently developed neutron dosimetry results that will provide important input for Task Action Plan A-11 on Fracture Toughness of Reactor Vessel Materials. The National Bureau of Standards has completed two sets of measurements in the ex-vessel cavity of the Arkansas Nuclear One plant. These measurements are the most accurate yet made, being uniquely tied to absolute dosimetry standards of NBS. NRC is now seeking a typical vendor reactor physics calculation of that same region for a comparison of the accuracy of such vendor calculations versus measurements. In another program, ORNL has completed measurements and calculations in the PCA (Pool Critical Assembly) experiment which is a benchmark facility that accurately mocks up a reactor vessel surveillance environment. Since the reactor physics calculations made for the PCA are typical of those used by vendors, another view of the current capability and accuracy of the nuclear industry to make predictions of the neutron fluence and spectrum can be made. The three PWR vendors are currently involved in a "blind test" comparison of these PCA results to further assess their capabilities for making such dosimetry, and ultimately embrittlement, calculations and predictions.

Loss of Fluid Test

The project is now focused on preparation for the first nuclear powered small break test, L3-1. This test will simulate a break in a small pipe with a break flow in excess of the high pressure system injection flow, and will result in a slow depressurization. Experimental predictions and safety analyses for L3-1 are underway, and special instrumentation is being installed on a critical path targeted for a test date of November 14, 1979.

1075 210

SAFER

On September 11, 1979, E. W. Richard of RES/SAFER, briefed the NMSS Safeguards Principal Staff on reactor safeguards research programs. A general description was presented of NRR safeguards, RES projects scheduled for FY79 completion, ongoing work that carries into FY80 and beyond, and work which had been proposed to start in FY80. Information provided at this meeting will be used by NMSS in preparing their FY80 reactor safeguards research user requests.

ENCLOSURE F

OFFICE OF THE EXECUTIVE LEGAL DIRECTOR

ITEMS OF INTEREST

FOR THE WEEK ENDING SEPTEMBER 14, 1979

Peach Bottom Atomic Power Station, Units 2 and 3 (and
four other proceedings involving the "radon" issue)

In ALAB-562 (September 10, 1979), the Appeal Board granted in part and denied in part the licensees' and Staff's motions for summary disposition in this generic type proceeding involving the radon issue. At issue are alleged deficiencies in the Perkins record. Further evidentiary hearings will be held before a panel of three Appeal Board members for the purpose of taking additional evidence on the matters as in which summary disposition was not granted. These further evidentiary hearings will essentially involve the value which should be assigned to represent the emissions of radon expected to occur as a result of the mining and milling of the uranium necessary to fuel an average size reactor for a year. ALAB-562 did not consider the health effects question. Consideration of that aspect of the matter has been deferred pending determination by the Appeal Board of the magnitude of radon releases and the levels of radon concentrations resulting from the portion of the fuel cycle under scrutiny.

ENCLOSURE G

1075 211

ITEMS OF INTEREST
OFFICE OF INTERNATIONAL PROGRAMS
WEEK ENDING SEPTEMBER 14, 1979

INTERNATIONAL COOPERATION

Research Agreement Concluded with Nordic Group

On August 28 an international research agreement was concluded with the Nordic Group (Denmark, Finland and Sweden). The agreement provides for participation by the Nordic Group in the NRC PBF and HSST programs in return for our involvement in the Group's fuel, primary pressure boundary and miscellaneous water reactor safety research programs. The agreement will remain in force for a period of three years.

EXPORT/IMPORT AND INTERNATIONAL SAFEGUARDS

Executive Conference on International Nuclear Commerce

An Executive Conference on International Nuclear Commerce sponsored by the American Nuclear Society was held in New Orleans, Louisiana, September 9-11. IP attendees were J. R. Shea, M. R. Peterson, and B. L. Wright. The Conference dealt with basic approaches to international nuclear commerce, the U.S. Nuclear Non-Proliferation Act of 1978, the impact of INFCE, reactor safety in the U.S. after TMI and in export decisions, alternate fuel cycles and possible waste management solutions. Commissioner Ahearne addressed the Conference at lunch on September 11. A summary of the high points of the meeting is in preparation by OPE.

1075 212

ENCLOSURE H

OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING SEPTEMBER 14, 1979

Program Development

On September 12, Tom Elsasser, Region I SLO spoke at a seminar in Portland, Oregon given by the Oregon-Washington Lawman's Association. He spoke of the accident at TMI and law enforcement planning as related to nuclear accidents.

State Agreements

A followup review of the compliance aspects of the Florida radiation control program will be conducted during the week of September 17, 1979.

The Colorado radiation control program will be reviewed during the week of September 24, 1979.

Emergency Preparedness

Richard Van Niel and the Regional Advisory Committee (RAC) met with the Ohio State agencies on September 11 to discuss the RAC's review and evaluation of the Ohio Radiological Emergency Response Plan. On September 12 the Ohio Disaster Services Agency hosted a meeting of the Ohio State agencies, county and local officials and representatives from the States of Indiana, Kentucky, and Pennsylvania. Also in attendance were officials from Toledo Edison, Cincinnati Gas and Electric, Cleveland Illuminating, Ohio Edison, Duquesne Light and Detroit Edison. A spokesman from each of the utilities reported to the group on the status of their particular plant in the licensing process and their emergency planning efforts to date.

A course in Radiological Emergency Response Planning is being put on in and for the State of Illinois by NRC-SP and other involved Federal agencies. This is the field version of the course formerly presented at the DCPA staff college in Battle Creek, Michigan.

Dick Cleveland attended a planning session, September 13, in Kansas City for a tri-State radiological emergency response exercise in Kansas, Nebraska and Missouri to be held in December.

Harold Collins, SP along with John Collins, NRR and Harold Denton, NRR, testified before the Pennsylvania State House Select Committee on TMI. Questions from the Committee centered in the main on cleanup at the TMI-2 unit, licensing practices, and emergency preparedness.

1075 213

ENCLOSURE I

On August 29 the Region V State Liaison Officer met with California Department of Emergency Services officials to discuss forthcoming NRC guidance and regulations for emergency planning. These officials were distressed at what they saw as a lack of coordination between NRC licensee regulatory activities and State and local planning efforts as they apply to the San Onofre and Diablo Canyon facilities. During the meeting these officials were briefed on the status of the various NRC emergency planning activities and the SLO committed to keeping them informed on a priority basis.

On September 5 the Region V SLO addressed the health physics subcommittee of the Edison Electric Institute at its semiannual meeting in Seattle. The subcommittee wanted to be briefed on NRC emergency planning activities and their probable impact on licensee operations.

On September 6 Mr. Robart attended the second meeting of the Washington Energy Facility Site Evaluation Council Task Force on Emergency Planning. The Task Force objective is to review the State's emergency planning resources and readiness capabilities and to make improvements where deficiencies are identified. Mr. Robart discussed the RAC role as well as NRC role in emergency planning.

1075 214

OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS

Items of Interest

WEEK ENDING - September 14, 1979

Management Training

All MPA supervisors attended a 2-1/2 day training session with the Federal Executive Institute on team building. This meeting was held at Harpers Ferry and is a condensed version of the 1-week course offered at Charlottesville.

Operational Safety Data

Briefed EDO on status of Offices' actions during interim while search for the Director of the new office is under way.

Policy Planning Programming Guidance

Met with EDO to discuss approach to FY 82-86 PPPG paper due to the Commission by 10/15.

MIS Publication

The first version of the new book summarizing Unresolved Safety Issues (Aqua Book) was issued.

1075 215

Office of the Controller

Items of Interest

Week Ending September 14, 1979

FY 1981 BUDGET

OMB hearings were held on September 13 and 14 on the budget submitted to them in early September. September 28 is reserved for potential recall hearings.

FY 1980 BUDGET

The Senate passed the Conference Appropriation bill and it was sent to the President. The President has until September 25 to sign or veto this bill.

A call for the offices to submit their initial FY 1980 financial plans was issued. The control amounts and identified Congressional constraints were in accordance with the Appropriation bill recently transmitted to the President.

1075 216

CALENDAR OF SPEAKING ENGAGEMENTS

SEPTEMBER

September 18 AIF Workshop on Management of Spent Fuel and Radioactive Waste,
Washington, DC - The U. S. Nuclear Regulatory Commission
Program for High and Low Level Radioactive Waste - James C. Malara

OCTOBER

October 16 NRC Occupational Health Protection Standards/ICRP-26
Army Medical Department, Edgewood Area, MD - Robert E.
Alexander

October 24-25 Panel Discussion on Regulation at the Third International
Conference on Energy, Washington, DC - Karl R. Goller

October 12 Health Systems Agency of Eastern Connecticut, Inc., Connecticut
College - Nuclear Power and Worker Health - Karl Goller

1075 217