

May 6, 1980


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PDR  
495

For: The Commissioners  
From: T. A. Rehm, Assistant for Operations, Office of the EDO  
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING MAY 2, 1980

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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T. A. Rehm, Assistant for Operations  
Office of Executive Director for  
Operations

\*No input this week.

\*\*Deleted from Commissioners and PDR copy.

Contact:  
T. A. Rehm  
27781

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POOR QUALITY PAGES

## SUMMARY OF WEEKLY INFORMATION REPORT

WEEK ENDING MAY 2, 1980

### TMI Special Inquiry Group

Volume II of the Special Inquiry Group Report on Three Mile Island has been received from the printer and will be distributed early in the week of May 5, 1980.

### B&W Nuclear Plants Under Construction

On October 25, 1979, letters were sent to nuclear plants under construction which use a Babcock & Wilcox nuclear steam supply system requesting information to allow us to determine whether it is necessary to halt all or portions of construction of B&W plants. As a result of our review of their responses, a letter dated April 25, 1980, was sent to these licensees stating that halting construction was not required.

### Respirator Problem at TMI

On April 28, 1980, NIOSH informed the SD staff of the results of tests carried out on the four respirators that had been provided by TMI for testing. All four respirators were found to have deficiencies. NIOSH also informed us of two workers in Elizabeth, New Jersey, who were rescued and hospitalized after the same type of equipment failed while they were fighting a fire.

### Program Development

New Regional State Liaison Officers for the five regional offices have now been selected.

### FY 1981 Authorization Bill

The House Interior Committee (Udall) completed mark-up on April 30, 1980. The Senate Subcommittee on Nuclear Regulation (Hart) began mark-up on May 1, 1980.

### FY 1982 Budget

With the receipt of the Commission approved Policy, Planning, and Program Guidance (PPPG), the Office of the Controller's Budget Call was issued in final form on May 1, 1980.

OFFICE OF ADMINISTRATION

Week Ending May 2, 1980

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Received	374	22
Granted	21	5
Denied	52	10
Pending	49	7

ACTIONS THIS WEEK

Received

Jeffrey K. Stine,  
University of California  
(80-230)

Requests information concerning Mr. Russell G. Cone and the New Test Site.

Eugene R. Fidell,  
Attorney-At-Law  
(80-231)

Requests a copy of a letter believed to be written by the firm of Faegre & Benson to the NRC requesting an opinion about the possible creation of a conflict of interest situation with regard to the firm's employment by Metropolitan Edison Company.

Eugene R. Fidell,  
Attorney-At-Law  
(80-232)

Requests a copy of Chairman Ahearne's memorandum of March 21, 1980 concerning the investigation at Three Mile Island referred to in the Chairman's April 23, 1980 memorandum to Mr. Stello subject "Delegation of Authority to Issue Subpoenas in Connection with Investigation of TMI."

George DuVall  
(80-233)

Requests nine categories of documents regarding modification and corrective action in the construction of containment at the Washington Public Power Supply System's nuclear project No. 2 at Hanford, Washington.

(NRC employee)  
(80-234)

Requests information on him in the Office of the Inspector and Auditor and information on any charges made against him.

Ronald B. Crichton  
(80-235)

Requests copies of publications in 13 separate categories.

CONTACT: J. M. Felton  
492-7211

ENCLOSURE A

Received, Cont'd

Stevan D. Phillips,  
Attorney-At-Law  
(80-236)

Requests information on shipments of low level radwaste material from January 1, 1977 to the present as reported on NRC Form 741.

(An individual requesting  
information about himself)  
(80-237)

Requests information regarding his Reactor Operator License exam results.

Kim Rapacz,  
Prairie Island Project  
(80-238)

Requests all incident reports on accidents involving the spent fuel pools at the Idaho Falls Engineering Testing Reactor from January 1966 through December 1970.

David F. Power  
(80-239)

Requests a copy of the March 24, 1976 "Weekly Highlights."

Marvin Resnikoff,  
Sierra Club Radioactive  
Waste Campaign  
(80-A-14-80-137)

APPEAL TO THE EDO for routing information for the proposed spent fuel shipments from Chalk River, Canada.

Granted

Steve Gannis  
(80-153)

In response to a request for twelve categories of general information, made available 11 documents.

Michael Givel  
(80-180)

In response to a request for six categories of records relating to Crystal River Unit 3, Turkey Point and St. Lucie nuclear power plants, made available 17 documents.

Paul E. Bryson  
(80-183)

In response to a request for access to records concerning handling, storage, transportation, disposal and safeguards of nuclear wastes for past, present, and contemplated installations, made available 19 documents.

Donna Skeels,  
Nuclear Pharmacy, Inc.  
(80-189)

In response to a request for a list of radioactive materials licensees (medical only) for each state for which the NRC governs, made available this information.

Stephen M. Pave,  
Attorney-At-Law  
(80-197)

In response to a request for all available information on Gaensel Mining Industries, Crestline Industries, Helmut Gaensel, and U.S. Venture Capital Corporation, informed the requester the NRC has no records subject to his request.

Steve Gannis  
(80-199)

In response to a request for ten categories of information made available four documents.

Granted, Cont'd

Paul S. Davis  
(80-202)

In response to a request for details relating to the security provisions now being employed in the transport of radioactive wastes and bomb-grade materials, including any evaluations of safeguards against theft and diversion that may have been made, made available 13 documents.

Paul Clifford  
(80-205)

In response to a request for copies of Commissioner Peter A. Bradford's desk calendar from January 1, 1980 through April 14, 1980, as well as all travel records submitted during that time, made available this information.

Steve Gannis  
(80-207)

In response to a request for twelve categories of general information, made available 10 documents.

Steve Gannis  
(80-208)

In response to a request for four categories of information, made available three documents.

T. Abramson  
(80-217)

In response to a request for inspection reports regarding the suspension of the FL-10 package, as well as documents between the NRC and the manufacturer of the FL-10 package, made available 13 documents.

T. A. Faircloth,  
Roosevelt University  
(80-228)

In response to a request for a copy of the 1978 Report to Congress on the administration of the FOIA and a copy of NRC's regulations implementing the FOIA, made available this information.

Jeffrey K. Stine,  
University of California  
(80-230)

In response to a request for information concerning Mr. Russell G. Cone and the New Test Site, informed the requester the NRC has no information pertaining to his request and advised him that he may contact the Department of Energy.

Eugene R. Fidell,  
Attorney-At-Law  
(80-231)

In response to a request for a copy of a letter believed to be written by the firm of Faegre & Benson to the NRC requesting an opinion about the possible creation of a conflict of interest situation with regard to the firm's employment by Metropolitan Edison Company, informed the requester the NRC has no record of ever having received this document.

Denied

(NRC employee)  
(80-203)

In response to a request for a copy of the ratings of all candidates as well as all materials used in the evaluation of candidates in the selection of the position of Containment Analyst, Vacancy Announcement R-80-1241, denied portions of the Candidate Evaluation, Certification and Selection Record and ERM Form-702, Personal History and Employment Summary, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

DIVISION OF TECHNICAL INFORMATION AND DOCUMENT CONTROL

WEEK ENDING MAY 2, 1980

\* TRANSLATIONS

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\* This entry is deleted from the PDR copy.

ENCLOSURE A

DIVISION OF CONTRACTS

Week Ending May 2, 1980

PENDING COMPETITIVE REQUIREMENTS

1. RFP RS-RES-80-195  
Title - Assessment of Volcanic Hazards in the Northwestern U.S.  
Description - A research study to evaluate volcanic hazards in the northwestern United States and to develop criteria to establish the potential for volcanic hazards and provide guidelines to evaluate the design basis for volcanic phenomena that could affect a site.  
Period of Performance - Two years  
Sponsor - Office of Nuclear Regulatory Research  
Status - Solicitation being prepared.
2. RFP RS-RES-80-196  
Title - Seismicity of the Pacific Northwest (Northern Oregon)  
Description - A study to monitor the seismicity of the Pacific Northwest to provide background seismological information necessary to evaluate the potential seismic hazard to nuclear power plants.  
Period of Performance - Estimated at 5 years  
Sponsor - Office of Nuclear Regulatory Research  
Status - Solicitation being prepared.
3. RFP RS-RES-80-228  
Title - Central and Western Virginia Seismicity Study  
Description - Establish and operate short period seismographic networks in central and western Virginia to provide the NRC with background seismological information on potential seismic hazards at nuclear power plant (NPP) sites.  
Period of Performance - Estimated to be 5 years  
Sponsor - Office of Nuclear Regulatory Research  
Status - Solicitation being prepared.
4. RFP RS-RES-80-229  
Title - Coordination of Cooperative Organizations Participating in Geological, Geophysical and Seismological Studies  
Description - Research assistance in coordination of cooperative organizations participating in geological, geophysical and seismological studies to define the structural setting and tectonics necessary to evaluate the degree of earthquake risk for the purpose of determining the design requirements for nuclear facilities planned for the New Madrid, Missouri, area.  
Period of Performance - Estimated to be 5 years  
Sponsor - Office of Nuclear Regulatory Research  
Status - Solicitation being prepared.

ENCLOSURE A

RFP'S ISSUED

1. RFP RS-RES-80-189  
 Title - Seismic Qualifications of Nuclear Plant Mechanical and Electrical Equipment  
 Description - The development of recommendations for seismic criteria and methods to determine the seismic qualifications of nuclear plant mechanical and electrical equipment.  
 Period of Performance - Three years  
 Sponsor - Office of Nuclear Regulatory Research  
 Status - RFP issued April 29, 1980. Proposals due May 29, 1980.
  
2. RFP RS-RES-80-188  
 Title - Foreign Research and Licensing Practice, Coordination for General Reactor Safety Research  
 Description - The review, description, analysis, and comparison of foreign research and licensing practices with U.S. research and licensing practices and the exploration of ways and areas in which NRC and foreign governments can conduct joint venture research.  
 Period of Performance - Sixteen months  
 Sponsor - Office of Nuclear Regulatory Research  
 Status - RFP issue date is May 5, 1980. Proposals due June 5, 1980.
  
3. RFP RS-OPE-80-472  
 Title - Alternative Processes for TMI-2 Kr-85 Removal  
 Description - Identify factors critical to deciding best approach for Kr-85 removal. Evaluate conditions under which the SAP becomes a feasible alternative. Evaluate merit of adopting SAP as a substitute for purge venting.  
 Period of Performance - Three months  
 Sponsor - Office of Policy Evaluation  
 Status - Solicitation issued April 30, 1980. Proposals due May 5, 1980.

PROPOSALS UNDER EVALUATION

1. RFP RS-OIE-80-251  
 Title - Technical Assistance to Support NRC IE Personnel in Investigations of Incidents  
 Description - Technical and engineering assistance required by the Office of Inspection and Enforcement to assist IE personnel in inspections and investigations of incidents at NRC-licensed facilities.  
 Period of Performance - Two years  
 Sponsor - Office of Inspection and Enforcement  
 Status - Competitive Range Report completed April 30, 1980.



## 2. RFP RS-NKR-80-106

Title - Review of Non-Radiological Environmental Operating Data

Description - The contractor shall perform technical reviews of extensive environmental monitoring data at three operating plants to assist in making licensing amendments. The specific objective of each aspect of the monitoring program, as well as the details of sampling schedules and methodology, are described in the Environmental Technical Specifications for each plant.

Period of Performance - One year

Sponsor - Office of Nuclear Reactor Regulation

Status - Negotiations completed April 29, 1980; best and final offers due May 6, 1980.

DIVISION OF SECURITY  
WEEKLY INFORMATION REPORT

WEEK ENDING MAY 2, 1980

The proposed NRC Manual Appendix 2101, "NRC Security Program," Part XVI, "Proprietary Information," has been forwarded to the Office of Management and Program Analysis for final coordination and publication. Comments of Headquarters Offices and Divisions and of the Atomic Safety and Licensing Board Panel have been incorporated.

ENCLOSURE A

OFFICE OF NUCLEAR REACTOR REGULATION

WEEKLY ITEMS OF INTEREST  
(Week Ending May 2, 1980)

Prairie Island 1 and 2

The Minnesota Pollution Control Agency filed an undated "Request for Hearing and Petition for Leave to Intervene" on the Prairie Island Fuel Pool Modification. Northern States Power expanded the capacity from 198 to 687 in 1976. The current application requests permission to expand to a capacity of 1582 assemblies.

BABCOCK AND WILCOX NUCLEAR PLANTS UNDER CONSTRUCTION

On October 25, 1979, letters were sent to nuclear plants currently under construction which use a Babcock & Wilcox (B&W), nuclear steam supply system requesting information to allow us to determine whether it is necessary to halt all or portions of the construction of B&W plants. As a result of our review of their responses, a letter dated April 25, 1980 was sent to these licensees stating that halting construction was not required. However, the licensees were told that this action did not preclude the staff from imposing additional requirements, if found necessary.

STATUS OF SHUTDOWN PLANTS  
(April 30, 1980)

		<u>Restart Date</u>
Beaver Valley	Refueling/Turbine Repairs	7/22/80
Brunswick 2	Refueling	5/20/80
Calvert Cliffs 1	Change Voltage Regulator	4/30/80
Cooper	Refueling	6/1/80
Crystal River 3	Refueling	Unknown
Davis-Besse 1	Refueling	July 1980
Dresden 1	Chemical Cleaning	Unknown
Dresden 3	Safety Valve Check	4/30/80
Fort Calhoun	Seismic Modifications	Unknown
Ginna	Refueling	5/11/80
Humboldt Bay	Seismic Evaluation	Unknown
Indian Point 1	ECCS	Unknown
Monticello	Recirc. Pump Seal Repair	Unknown
Oconee 2	Maintenance	6/3/80
Oyster Creek	Refueling	5/22/80
Palisades	Refueling	5/7/80
Peach Bottom 2	Refueling	7/5/80
Pilgrim 1	Refueling	5/5/80
Point Beach 2	Refueling	Unknown
Rancho Seco	Maintenance	5/1/80
Robinson 2	Repair RCP Seal & SG "B"	5/1/80
St. Lucie 1	Refueling, Maintenance	5/10/80
San Onofre	Refueling	7/1/80
Sequoyah	Mode 5; Cold Shutdown	Unknown
Surry 1	Maintenance	Unknown
Surry 2	Refueling	Unknown
Three Mile Island 1	Order	Unknown
Three Mile Island 2	Accident	Unknown
Trojan	Refueling	Unknown
Turkey Point 4	SG inspection	July 1980
Yankee Rowe	Turbine Repair	September 1980

Plant Status

Core Cooling Mode: Cyclic natural circulation in the "A" reactor coolant system (RCS) loop via the "A" once through steam generator (OTSG), steaming to the main condenser, and RCS loop-A and B cyclic natural circulation to reactor building ambient.

Available Core Cooling Modes: OTSG "B" to the main condenser; long term cooling "B" (OTSG-B); decay heat removal.

RCS Pressure Control Mode: Standby Pressure Control (SPC) System.

Backup Pressure Control Mode: Makeup system in conjunction with letdown flow (Emergency use only due to suspected leaks in the seal injection system).

Major Parameters (As of 0400, May 2, 1980) (approximate values)

Average Incore Thermocouples: 141°F

Maximum Incore Thermocouple: 182°F

RCS Loop Temperatures:

	A	B
Hot Leg	145°F	143°F
Cold Leg (1)	106°F	96°F
(2)	123°F	99°F

RCS Pressure: 135 psig (Heise)

Pressurizer Temperature: 302°F (Saturation Pressure 54 psig)

Reactor Building: Temperature: 78°F  
Pressure: -.64 psig (Heise)  
Water level: Elevation 290.6 ft. (8.1 ft. from floor) via decay heat system  
Elevation 290.2 ft. via penetration 401 manometer

Environmental & Effluent Information

1. Liquid effluents from TMI-1 released to the Susquehanna River, after processing, were within the limits specified in Technical Specifications.
2. No liquid effluents were discharged from TMI-2.
3. Results from LPA monitoring of the environment around the TMI site were:  
-- LPA environmental stations registered background levels for air particulate and water samples.

-- Gas air sample results (Kr-85) for the period April 19-25, 1980, were: Bainbridge - 18 pCi/m<sup>3</sup>, Goldsboro - 23 pCi/m<sup>3</sup>, Middletown - 20 pCi/m<sup>3</sup>, and TMI Observation Center - 26 pCi/m<sup>3</sup>. EPA states that samples collected in the vicinity of TMI in recent months show background levels of Kr-85 to be in the range of 20-40 pCi/m<sup>3</sup> of air.

-- For the period April 25-30, 1980, direct radiation (gamma) readings showed no levels above background.

4. Radioactive material shipments off site were as follows:

- On Monday, April 28, 1980, a Unit 2 reactor coolant sample was sent to the B&W Lynchburg Research Center, Lynchburg, Virginia.
- On Tuesday, April 29, 1980, a shipment consisting of 152 drums of low level baled waste from Unit 1 was shipped to Richland, Washington.
- On Friday, May 2, 1980, a shipment of 11 wooden ISA boxes of low level waste from Unit 1 was sent to Richland, Washington.

5. EPICOR II processing status: (Auxiliary building approximate quantities)

Amount processed this week: 22,000 gallons  
Amount processed to date: 247,000 gallons  
Amount to be processed: 198,000 gallons

Major Activities (Past and Present)

1. Reactor Coolant System (RCS) Pressure Reduction. On April 15, 1980, RCS pressure was reduced from 300 psig to 190 psig. The pressure was further reduced to 135 psig on April 29, 1980. It is planned to reduce pressure to 100 psig on May 7, 1980. The primary system responded predictably to the pressure reductions. Water samples drawn from the letdown system indicate that dissolved gas concentrations in the RCS will remain below saturation at 100 psig. However, due to limited water circulation, it is assumed that gas saturated water and gas pockets do exist in portions of the RCS. The following gas pocket volumes versus primary pressure have been calculated:

<u>RCS pressure</u>	<u>Gas volume</u>
300 psig	50 cubic feet
190 psig	57 cubic feet
135 psig	106 cubic feet
100 psig	138 cubic feet

The above pressure/volume relations have been verified during several pressure changes by comparing the amount of makeup/letdown to the resultant RCS pressure changes.

The RCS pressure reductions have not produced a noticeable effect on the secondary system. Both A and B loops continue to "burp" periodically. The A loop "burp" interval increased from 21 to 24 hours. The B loop "burps" sporadically every 80 to 110 hours.

The decrease in burp frequency is a loop is attributed to higher heat losses to the reactor building atmosphere. The reactor building evaporative cooling system was activated on April 15, 1980, to reduce the reactor building pressure. The "burp" frequency decreased after the reactor building cooling system was activated.

The RCS leak rate appears to have decreased as a result of the pressure reductions. Quantitative leak rate data will be provided after additional leak/makeup volumes are compiled.

Pressurizer heaters will not be used after pressure is reduced to 100 psig. The cycling of the heaters is producing pressure fluctuations. The heaters have been used to maintain the water in the pressurizer just below the saturation temperature. In this condition, the pressurizer was a potential source of pressure for the RCS in the event of an unplanned pressure reduction. The hazards associated with an unplanned depressurization have decreased with the decrease in thermocouple temperatures below ambient boiling.

2. Proposal to Open Decay Heat System Valves DH-V-1 and DH-V-171. The TMI Program Office staff is currently evaluating a licensee procedure to open two decay heat removal system valves (DH-V-1 and DH-V-171) which are located inside the reactor building. When opened, the valves will provide a flow path from the RCS to the mini decay heat removal system (MDHR) in the auxiliary building. Construction of the MDHR is not complete, however, due to the rising water level in the reactor building, it is necessary to open the valves before the valve operators are submerged. At least one of the valves must be opened before the MDHR system can be put into service.
3. Reactor Building Entry. The reactor building entry which was scheduled for April 24, 1980, was postponed when the National Institute of Occupational Safety and Health (NIOSH) inspected the Bio Marine Bio Pac 60 breathing units and found that unauthorized modifications had been made. The Bio Pac 60 has a service life of 60 minutes and was selected to be used by the reactor building entry team.

The licensee has rescheduled the entry for May 20, 1980, and is revising procedures to either use the Bio Pac 60, if NIOSH recertifies the unit, or to use the Mine Safety Appliance Company (MSA) Model 401 breathing apparatus. The MSA unit has a service life of only 30 minutes and as a result, would require shortening the entry to 15 minutes. The TMI Program Office staff is reviewing the proposed changes.

4. Technical Working Group (TWG) for the TMI Information and Examination Program. Members of the TWG, Task 2.1, (Fission Product Transport and Dispersal and Environments Characterization) arrived on site to commence data gathering activities. The objective of Task 2.1 is to improve understanding of nuclear plant accident environments and the phenomena which contribute to those environments.

The group obtained reactor building gas samples through the R-626 penetration at elevation 347 feet. The samples will be analyzed for radioisotopic and chemical composition. Specifically, the gas samples will be analyzed for tritium, hydrogen, oxygen, nitrogen, carbon 14, helium, xenon krypton, organic iodides, particulate iodine, elemental iodine and toxic gases.

5. Ground Water Monitoring Program. Water samples were taken from eight ground water monitoring wells on Friday, May 2, 1980. The licensee intends to sample the monitoring wells once per week. Split, composite samples will be sent to two independent laboratories for analysis. The most current sample analysis results are attached.

Four observation wells have been completed in the vicinity of the borated water storage tank (BWST). Water and soil samples from these wells have been sent for analysis.

Commonwealth of Pennsylvania representatives have expressed concern over the existing practice of pumping approximately 100 gallons of water from each monitoring well to the storm drains during the sampling process. The Commonwealth representatives consider that this constitutes a release of potentially radioactive water through an unmonitored discharge point. As an interim resolution of the Commonwealth's concern, the excess water pumped during sampling on Friday, May 2, 1980, was released to the surface of the ground some distance from the well. The final resolution of this matter is being pursued by the TMI Program Office staff.



T - Telelog  
 RMC - RMC  
 OR - Oak Ridge  
 TVA - TVA

H<sub>2</sub> Analysis  
 pCi/liter

Date/Lab	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	Pond
4/11 T	210±60	1010±10	760±80	320±60	120±70	320±80	-	1060±100	190±70
RMC	<300.0	170±200	560±190	<300.0	<500.0	<300.0	<300.0	690±200	<250
OR	-	-	-	-	-	-	-	-	-
TVA	178±57	922±73	288±78	252±59	160±57	301±60	436±50	865±74	172±55
4/12 T	100	520±80	720±100	350±80	260±70	400±80	-	1020±100	<100
RMC	<250	800±80	600±170	<250	<250	<250	300±160	710±200	<300
OR	-	-	-	-	-	-	-	-	-
TVA	155±56	774±76	644±70	292±70	169±74	356±61	393±63	793±75	123±54
4/13 T	150±70	980±110	690±90	270±80	330±100	530±80	-	790±160	100±80
RMC	<500	560±700	440±190	<300	<250	290±160	330±160	810±170	<250
OR	-	-	-	-	-	-	-	-	-
TVA	252±59	860±77	649±63	284±59	163±75	295±61	250±62	360±78	65±73
4/14 T	170±70	1010±100	590±70	320±60	230±70	430±80	-	850±160	50±80
RMC	<250	840±170	640±160	<250	<250	<250	250±160	620±160	<290
OR	-	-	-	-	-	-	-	-	-
TVA	173±75	596±97	559±68	342±78	129±56	264±60	292±77	682±72	179±75
4/15 T	290±70	610±80	1060±160	290±70	210±70	370±80	-	570±90	110±80
RMC	<290	550±190	520±190	<290	<250	340±160	300±160	700±170	<250
OR	-	-	-	-	-	-	-	-	-
TVA	175±57	527±92	455±65	462±81	188±75	292±77	292±77	627±92	10±73

### Meetings Held with Public Officials and Interested Groups

1. On April 28, 1980, J. Collins appeared on a Talk program on WLBR radio, Lebanon to answer questions from listeners about the cleanup operations.
2. On April 28, 1980, J. Collins spoke to the Elizabethtown Kiwanis Club on the cleanup operations at TMI.
3. On April 28, 1980, J. Collins, T. Elsasser and E. Bretthauer, EPA, met with representatives from area school boards at the Middletown High School.
4. On April 30, 1980, at 9:00 a.m., J. Collins, T. Elsasser and E. Bretthauer, EPA, met in Middletown with religious leaders from the Harrisburg area.
5. On April 30, 1980, at 1:30 p.m., J. Collins, T. Elsasser and E. Bretthauer, EPA, met with the York County Commissioners in York.
6. On April 30, 1980, at 4:20 p.m., T. Elsasser met with teachers from Northeastern Senior High School in Manchester.
7. On May 2, 1980, at 9:30 a.m., J. Collins and T. Elsasser met with the Mayor of York.
8. On May 2, 1980, J. Collins and B. Snyder briefed the ACRS on the status of the cleanup operations at TMI and the status of the Programmatic Environmental Impact Statement.

### Future Meetings

1. On May 5, 1980, J. Collins will address the 9th grade Civic Classes at East Junior High School, Harrisburg.
2. On May 5, 1980, at 7:00 p.m., J. Collins, T. Elsasser and E. Bretthauer, EPA, will conduct a briefing in Manchester for officials from the following communities: Conewago Township (West Shore), Dover Township, East Manchester Township, Hellam Township, Manchester, Manchester Township, Mount Wolf, Springettsburg, Warrington Township, and York Haven.
3. On May 7, 1980, J. Collins will appear on a talk program on WAHT radio, Lebanon, called "Two Way Radio" to answer questions from listeners concerning the cleanup operations.
4. On May 7, 1980, at 7:30 p.m., H. Denton, J. Collins, T. Elsasser and an EPA representative will meet in Harrisburg with various leaders of IMI Alert to discuss cleanup operations at TMI Unit 2.
5. On May 8, 1980, at 11:00 a.m., J. Collins and T. Elsasser will meet with the Energy Committee of the Pennsylvania Chamber of Commerce.
6. On May 8, 1980, J. Collins will address the Lower Swatara Lions Club at 6:30 p.m. at the Skyways Inn.

OFFICE OF STANDARDS DEVELOPMENT

IMPORTANT EVENTS FOR THE WEEK ENDING MAY 2, 1980

1. Respirator Problem at TMI: On April 28, 1980, NIOSH informed the SD staff by telephone of the results of tests carried out on the four respirators that had been provided by TMI for testing after re-entry of the containment building at TMI was delayed because of respirator modifications.

One unit was inoperable owing to failure of a valve and was not tested further. The other three units were found to have relief valve and exhalation resistances in excess of certification test specifications. NIOSH also found 16 other discrepancies between the TMI units and the specifications for certified equipment. The manufacturer of the respirators was scheduled to return to NIOSH April 28, 1980, with modified units and a request for extension of certification to the modified equipment.

NIOSH also informed us that they had received a report over the weekend that two workers in Elizabeth, New Jersey, who were using this type of equipment in fighting a fire, had to be rescued and hospitalized when the equipment failed. The equipment reportedly failed, by a considerable margin, to provide full duration of use for which it is rated (60 minutes). NIOSH personnel were going to Elizabeth, New Jersey, to check on the equipment (which was impounded there). The equipment was reportedly sold without the NIOSH test-and-certification labels affixed.

[Contact: J. L. Caplin (443-5970)]

Publications Issued During the Week of April 28-May 2, 1980

Reg. Guide 5.60 - Standard Format and Content of a Licensee Physical Protection Plan for Strategic Special Nuclear Material in Transit"

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending May 2, 1980

Safeguards Support to DOE's Hot Experimental Facility (HEF)

Safeguards Division representatives met with DOE Headquarters personnel on April 25, 1980, to receive a briefing on the Department of Energy's Hot Experimental Facility (HEF) and to discuss NRC Safeguards support to the DOE project. Currently being designed, the HEF is intended to be a highly automated advanced reprocessing plant which will support the breeder reactor by reprocessing spent fuel from both the breeder and the commercial low enriched power reactors. Although not planning to license the facility, DOE would like the facility to be licensable, and therefore, has requested NRC Safeguards participation in the project. Meetings with Oak Ridge design personnel will be delayed until travel funds become available.

Integrated Safeguards Information System

A letter was sent from William J. Dircks (NMSS) to G. Weisz (DOE, OSS) requesting DOE requirements for ISIS. The letter also requested specific information related to DOE funding for ISIS development, as well as DOE response to several items related to NRC control over licensee data under NMSS at Oak Ridge, Tennessee.

U. S. Assistance to IAEA

NRC staff participated in a Semi-Annual Review of Technical Support for IAEA Safeguards (POTAS Program) held at Brookhaven National Laboratory the week of April 21, 1980. The U. S. 1980 pledge of assistance to IAEA safeguards is \$5,100,000. The conference, attended by four IAEA division directors, reviewed the status of more than sixty research and development projects undertaken by U. S. national laboratories and contractors in support of Agency safeguards. The IAEA conveyed to conference attendees areas where U. S. assistance is most acutely needed. The group also discussed assistance to IAEA in implementing non-destructive assay technology in field inspections.

Review of International Convention for Physical Protection of Nuclear Material

A review of the International Convention has been made to determine if changes need to be made in our regulations to assure compliance with the terms of the International Convention. It is possible that the Transient Shipment Rule, now published for public comment, will be expanded to include spent fuel shipments as well as shipments of Category II and III material. Some regulation may be required to assure "prudent management practices" for the protection of natural uranium in international transport for quantities exceeding 500 Kg.

### Oconee-McGuire Transshipment Hearings

On April 29, 1980, the evidentiary record was closed for this proceeding. A schedule for all parties to submit their proposed findings has been established. The staff's submittal pursuant to the regulations, is due June 9, 1980. A decision will then be pending further action from the ASLB.

### Regulatory Affairs

During the annual meeting of the American Pharmaceutical Association, its Section on Nuclear Pharmacy sponsored a session on regulatory affairs. Patricia Vacca, NMSS, presented NRC's position on licensing nuclear pharmacies. Representatives of FDA, Agreement States, and National Association of State Boards of Pharmacies presented their respective positions on the regulation of nuclear pharmacies. The session gave the NRC and other organizations the opportunity of presenting their views to the nuclear pharmacy community.

### Radon Value for Table S-3

The revised draft technical report on radon releases from uranium mining and milling has been distributed for NRC internal review. This draft incorporates the latest data from Battelle's measurements of radon releases from underground mining. Comments were requested by May 23, after which the final report will be published to serve as the technical basis for a "notice and comment" rulemaking to amend Table S-3 by adding the new radon value.

### Implementation of the Clean Air Act

R. L. O'Connell, NMSS, participated in a meeting between NRC and EPA to develop an NRC/EPA Memorandum of Understanding on implementation of the Clean Air Act with regard to NRC licensees.

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending May 2, 1980

1. Atomic Disposal Company, Inc., Tinley Park, Illinois - Civil Penalty Action - On April 25, 1980, the Commission received a check from the subject licensee in the amount of \$500 in full payment of the civil penalty imposed by Order issued on April 3, 1980.
2. Sacramento Municipal Utility District (Rancho Seco) - Civil Penalty Action - On April 29, 1980, the Commission received a check from the subject licensee in the amount of \$25,000 in full payment of the proposed civil penalty issued on April 4, 1980.
3. Smith Kline and French Laboratories, Philadelphia, PA - Civil Penalty Action - On April 30, 1980, the Commission received a check from the subject licensee in the amount of \$5,000 in full payment of the proposed civil penalty issued on April 8, 1980.
4. The following Notifications of Significant Enforcement Action were dispatched:
  - a. EN-80-15 & -15A Houston Lighting and Power Company (South Texas Project Units 1 and 2) - On April 30, 1980, a Notice of Violation, a Notice of Proposed Imposition of Civil Penalties in the amount of \$100,000, and an Order to Show Cause were issued to the subject licensee. This action is based on alleged items of noncompliance relating to failures to control all activities affecting safety related functions to assure that such activities were conducted in accordance with 10 CFR Part 50, Appendix B. There were also substantiated allegations involving production pressure, lack of support by Quality Control management, harassment, intimidation and threats directed toward Quality Control inspectors which indicated impairment of the quality assurance program at the South Texas Project.
5. Preliminary Notifications relating to the following actions were dispatched during the past week:
  - a. PNO-I-80-64 Oyster Creek - Possible Reduction in Work Force
  - b. PNO-I-80-65 Peach Bottom Units 2 & 3 - Contractor Employee Dismissal
  - c. PNO-I-80-66 O'Sullivan Company, Lebanon, PA (Non-Licensee) - Radioactive Material Found on Non-Licensee Property
  - d. PNO-I-80-67 Automation Industries, Inc., Phoenixville, PA - Radiography Source Found on Public Highway
  - e. PNO-I-80-68 Haddam Neck - Transportation of Four Plant Workers to Local Hospital

ENCLOSURE E

- f. PNO-II-80-65A Pilgrim Nuclear Power Station - Allegations Regarding Burial of Spent Fuel
- g. PNO-II-80-71 Browns Ferry Nuclear Plant - High Radiation Levels on Surface of Radwaste Shipment Vehicle
- h. PNO-II-80-72 Abandoned Building in Johnson City, Tennessee - Newspaper Reporter's Request for Radiation Survey of Abandoned Building
- i. PNO-II-80-73 & -73A Brunswick Units 1 & 2 - Unauthorized Disposal of Radioactive Material
- j. PNO-II-80-74 Sequoyah Unit 1 - Confirmation of Action Letter on Additional Inspections of Pipe Supports
- k. PNO-III-80-76 Zion Unit 1 - Unplanned Radioactive Gas Release
- l. PNO-III-80-77 Point Beach Unit 2 - Outage Extended to Repair Cracks in Low Pressure Turbine
- m. PNO-III-80-78 Hittman Nuclear Development Corporation - Truck Shot At - Minor Injury Sustained by the Driver
- n. PNO-III-80-79 Dairyland Power Cooperative - Reactor Trip During Startup
- o. PNO-III-80-80 Monticello - Shutdown Expected to Last Longer Than Two Days
- p. PNO-III-80-81 Davis-Besse Unit 1 - Overexposure
- q. PNO-III-80-82 Midland Units 1 & 2 - Failed Pipe Whip Restraint Bolts
- r. PNO-IV-80-19 Waterford Unit 3 - Licensee Announced Delay of Construction
- s. PNO-IV-80-20 South Texas Project Unit 2 - Reduction of Work Force
- t. PNO-V-80-32 Trojan - Failed Fuel Rod
- u. PNO-V-80-33 Rancho Seco - Press Interest Regarding Measurable Levels of I-131 in Milk Samples Collected in the Third Calendar Quarter of 1979 Near the Rancho Seco Site
- v. PNS-I-80-07 Three Mile Island Unit 2 - Investigation Findings Concerning Sabotage Allegation
- w. PNS-I-80-08 Salem Units 1 & 2 - Guard Accidentally Shoots Himself
- x. PNS-II-80-11 Nuclear Fuel Services, Inc. - Nuclear Fuel Services April 24, 1980 Reported Inventory Differences

6. The following IE Circulars were issued:
  - a. IE Circular 80-09, "Problems With Plant Internal Communicating Systems," was issued on April 28, 1980 to all power reactor facilities with an operating license or construction permit.
  - b. IE Circular 80-10, "Failure to Maintain Environmental Qualification of Equipment," was issued on April 29, 1980 to all power reactor facilities with an operating license or construction permit.
  
7. The following IE Information Notice was issued:
  - a. IE Information Notice 80-16, "Shaft Seal Packing Causes Binding in Main Steam Swing Check and Isolation Valves," was issued on April 29, 1980 to all power reactor facilities with an operating license or construction permit.



ITEMS OF INTEREST  
OFFICE OF INTERNATIONAL PROGRAMS  
WFEK ENDING MAY 2, 1980

INTERNATIONAL COOPERATION

NRC-PAEC Information Exchange Arrangement

The U.S. Embassy in Manila has reported that the Philippine Atomic Energy Commission has signed the NRC-PAEC Information Exchange Arrangement. This Arrangement is now in force.

Foreign Assignment Selection Panel

The Director of Administration has appointed a selection panel, which plans to make an early choice of an NRC expert to spend 6-9 months in Spain advising the Spanish regulatory authorities on planning and conduct of startup testing of Almaraz 1. Almaraz 1 is a 3-loop Westinghouse PWR, the first of the large LWR's being started up under Spain's nuclear power program. The U.S. expert will train 6-8 Spanish engineers, who will be responsible for startup testing in power reactors subsequent to Almaraz 1. The panel and selection procedure are as required under Chairman Hendrie's memorandum of August 13, 1979.

Foreign Assignee

Arrangements have been completed to have Mr. C. Y. Huang, an employee of the Taiwan Atomic Energy Commission, join the NRR/TMI Program office for a period of six months. In the near future, the Executive Director for Operations will issue the invitation for Mr. Huang to arrive at NRC around the middle of May.

\* Foreign Reports

\* Foreign Reports (Cont'd)

EXPORT/IMPORT AND INTERNATIONAL SAFEGUARDS

International Programs is currently reviewing four export-related matters involving subsequent arrangements for the retransfer of nuclear material. The status of these requests is as follows:

1. RTD/SD(EU)-30. A proposed retransfer of 3.965 kilograms of 45.4% enriched uranium from West Germany to Switzerland, to be used as prototype fuel elements for testing high density fuel in the Saphir research reactor. IP is awaiting DOE's response to questions posed in our April 9 letter.
2. RTD/SD (EU)-31. A request to retransfer 6.882 kilograms of HEU from West Germany to Switzerland for use as fuel in the Saphir reactor. Status is the same as 1 above.

3. RTD/SW(EU)-111. A request involving the retransfer of 19.193 kilograms of HEU from France to Sweden, for use as fuel elements for the R-2 reactor. IP is awaiting DOE's response to its April 11 letter requesting an analysis of this case pursuant to Section 1.b(i) Part E of the interagency procedures.
4. RTD/CA(EU)-14. A proposed retransfer of mixed oxide rodlets containing 3.0 kilograms of plutonium and 600 kilograms of depleted uranium from Italy to Canada, for use in lattice measurements in the ZED-2 test reactor at Chalk River. After submitting its request for NRC views on this proposed retransfer, DOE advised IP staff that the original analysis for this case would have to be revised. IP is awaiting the revised analysis.

In addition to these retransfers, IP received a request on April 30 from DOE, pursuant to 10 CFR Part 810, for transfer of a portable uranium mill to the People's Republic of China. IP is reviewing this request concurrently with ELD and NMSS. IP expects to forward its recommendation to the Commission soon.

Also, IP is reviewing a request to export two reactors to Korea (XR-133). IP is actively reviewing preliminary Executive Branch views on this request, which were received on April 22 and forwarded to the Commission. Final review will await receipt of the final Executive Branch views.

US-Peru Agreement for Cooperation

State asked us recently to expedite NRC review of the US-Peru agreement in order to permit having it reviewed by Congress before the current session ends. Staff review of this agreement had been delayed, at State's request, in order to expedite NRC action on other agreements for which State had set a higher priority. Staff is now reviewing the Peru Agreement and should have it ready for Commission review sometime next week.

Physical Security Review Trips

On April 29 IP and NMSS representatives met with staff of State, ACDA, and DOE to discuss issues which have arisen in connection with physical security review trips. Agreement was reached on appropriate next steps. These issues will be reflected, as appropriate, in the context of individual export cases.

OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING MAY 2, 1980

Program Development

Dean Kunihiro and William Menczer, new Regional State Liaison Officers for Regions V and III respectively have been receiving orientations this week at headquarters. Mr. Kunihiro, formerly in NRR, will begin his duties in Region V on May 19; Mr. Menczer, formerly in ADM, will begin his duties in Region III on May 12. James Montgomery, for the past ten years with the Colorado Department of Health, has accepted the position of Regional State Liaison Officer for Region IV and will report when his clearance has been confirmed. Robert E. Trojanowski, currently in Region II, has been selected as the Regional State Liaison Officer for that region.

Tom Elsasser, Regional State Liaison Officer for Region I, is currently on detail to the TMI office in Middletown. Andrew Robart, formerly the Region V Regional State Liaison Officer has returned to headquarters Office of State Programs, effective this week.

OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS

Items of Interest

WEEK ENDING MAY 2, 1980

Midyear Decision Unit Tracking System Review (FY 80)

Completed a midyear FY 80 review for decision units in each of the 7 program offices. This 6-month report was furnished to the EDO and each of the seven office directors. This report, which covers staff effort, program support funds, and accomplishments, provides a good baseline for reprogramming in the second half of FY 80 to accommodate the TMI Action Plan.

NRC Annual Report

Completed Chapter 1, which now incorporates key elements from the Commission's recently issued FY 82-86 Policy, Planning, and Program Guidance document. The Annual Report now has a forward looking character as well as an overview of 1979 activities. The covering memorandum to the President was forwarded to the Chairman for signature along with a copy of the report prior to printing.

Fourth Quarter 1979 Abnormal Occurrence Report to Congress

The Fourth Quarter CY-79 Abnormal Occurrence Report was published. The forwarding letters to Congress were given to EDO for transmittal to the Chairman.

Office of the Controller

Items of Interest

Week Ending May 2, 1980

FY 1980 Authorization Bill

The conferees agreed to a compromise Authorization Bill. Major points were: (1) the higher dollar amounts (for FY 1980 supplemental) contained in the House version were agreed upon, (2) reprogramming approval extended to 45 days and (3) many of the Senate new initiatives were agreed upon.

FY 1981 Authorization Bill

The House Interior Committee (Udall) completed mark-up on April 30, 1980. Major changes were: (1) 2% across the board reduction, (2) no intervenor funding, and (3) NRC was instructed to provide not more than \$4.7 million for gas reactors out of existing funds.

The Senate Subcommittee on Nuclear Regulation (Hart) began mark-up on May 1, 1980. In this initial mark-up session, they approved a 5% reduction to NRC's request.

FY 1980 Travel

A letter was sent to OMB appealing for a significant restoration to the OMB reduced ceiling for NRC.

FY 1982 Budget

With the receipt of the Commission approved Policy, Planning, and Program Guidance (PPPG), the Office of the Controller's Budget Call was issued in final form on May 1, 1980.

CALENDAR OF SPEAKING ENGAGEMENTS

May 9 Dr. Allen Brodsky, SD, will present a talk on Occupational Exposure Measurements in Regulatory Guides before the National Bureau of Standards in Gaithersburg, Md.