August 7, 1980

For: The Commissioners

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

Subject: WEEKLY INFORMATION REPORT - WEEK ENDING AUGUST 1, 1980

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

Contents	Enclosure
Administration	A
Nuclear Reactor Regulation	B
Standards Development	C
Nuclear Material Safety and Safeguards	D
Inspection and Enforcement	E
Nuclear Regulatory Research	F*
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International Programs	H
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Analysis and Evaluation of Operational Data	L
Items Approved by the Commission	M**
Calendar of Speaking Engagements	N

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

*No input this week.
**Deleted from Commissioners' and PDR copies.

CONTACT:
T. A. Rehm, 27781

Summary of Weekly Information Report

Week Ending August 1, 1980

Emergency Communications

Telecommunications Branch, in conjunction with representatives of SD, NRR, NMSS, and IE, is reviewing emergency communications requirements for the NRC Operations Center, the Regions, and the licensees. The branch is arranging a series of briefings by communications service and equipment vendors on latest state-of-the-art methods for satisfying these requirements.

Strike at Salem Nuclear Generating Station

An anticipated strike took place at Salem Nuclear Generating Station last week by non-supervisory personnel. Salem-1 was operating at 100% power by supervisory personnel and Salem-2 was in cold shutdown. The licensee advised NRC that sufficient personnel were available to operate Unit 1 in a safe mode.

United Nuclear Corporation, Wood River Junction

On July 30, 1980, a followup meeting was held in Providence, Rhode Island, at the request of the Governor, to discuss the decontamination and decommissioning of the United Nuclear Corporation plant at Wood River Junction. Topics discussed were the mechanism for State and public participation in the decommissioning process, and more extensive monitoring to evaluate the contamination in the aquifer below the plant site and in the Pawcatuck River into which the aquifer flows. Questions were also raised concerning the source of strontium-90 and cesium-137 detected in this aquifer and the confirmatory surveys that will be performed by NRC prior to taking licensing action on any requests from United Nuclear Corporation to terminate the license and release the property for unrestricted use. The agenda items and appropriate portions of the discussion will be documented in a letter from Governor Garahy to the Commission.

AEOD Case Study on Browns Ferry 3 Partial Failure to Scram

The AEOD case study on the June 28, 1980 Browns Ferry 3 partial failure to scram was completed. The report indicates that:

1. There are several credible ways which water can accumulate undetected in the scram discharge volume providing a potential for unreliable scram capability.

2. There are scram events that can result in an unisolatable reactor coolant blowdown outside of primary containment if the single isolation valve should fail.

Specific recommendations regarding system modifications to reduce the risk posed by these deficiencies are identified in the report.

FY 1982-FY 1983

The Commission's final mark on NRC's FY 1982-FY 1983 budget was distributed to the staff.

FY 1981 Budget

The Subcommittee on Energy and Water Development, House Committee on Appropriations, approved the TMI reprogramming actions.

OFFICE OF ADMINISTRATION

Week Ending August 1, 1980

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	Initial Request	Appeal of Initial Decision
Received	471	35
Granted	351	10
Denied	80	15
Pending	40	10

ACTIONS THIS WEEK

Received

Scott A. Powell, Attorney-At-Law (80-387)	Requests a copy of Long Island Nuclear Service Corporation's application for transporting nuclear wastes
Stephanie J. Nocella, Advanced Technology, Inc. (80-388)	Requests a copy of the winning technical proposal and contract awarded to Essex Corporation entitled "Human Factors Evaluation at TMI."
M. Duncan Grant, Attorney-At-Law (80-389)	Requests a copy of a letter dated January 4, 1973 from M. J. Reaves to Robert D. Nininger and a copy of the letter referred to in the first paragraph of the January 4, 1973 letter regarding commercial purchases of natural uranium.
Debra D. McDonald, Nuclear Pharmacy, Inc. (80-390)	Requests copies of all material license applications and amendments issued to NuPharm.
Victor M. Agrait-Defillo, Mision Industrial De Puerto Rico, Inc. (80-391)	Requests all documents regarding the 1966 nuclear accident that occurred in Rincon, Puerto Rico.
(An individual requesting information) (80-392)	Requests all records regarding her deceased father.

CONTACT: J. M. Felton
492-7211

ENCLOSURE A

Received, Cont'd

R. F. Audette, NTEU Steward (80-393)	Requests a list by name of candidates considered by the GS-15 Qualification Panel for 16 vacant positions, a list of those candidates interviewed by the panel and the ratings forwarded by the panel.
J. C. Snell, NTEU Steward (80-394)	Requests, on behalf of an NRC employee, information concerning the processing of an NRC disability retirement or fitness for duty review.
Thomas Knudson, Des Moines Register and Tribune (80-395)	Requests the Annual Environmental Operating Reports for 1975-1979 and the Radioactive Effluent Release Reports for 1975-1979 for Duane Arnold, Cooper, Fort Calhoun, and Quad-Cities nuclear power plants.
(An individual requesting information about himself) (80-396)	Requests information on his Senior Reactor Operator license exam results.

Granted

Rick Trombetta (80-345)	In response to a request for information on what was modified and what modifications were done on the alarm system at the Three Mile Island-2 reactor building venting system, made available one document.
Robert Goldsmith, Citizens for a Better Environment (80-347)	In response to a request for five categories of information relating to the decontamination of Dresden 1 made available fourteen documents. Informed the requester other documents subject to this request are available at the LPDR in Morris, Illinois.
Joe Farnan, Attorney-At-Law (80-355)	In response to a request for information regarding the industrial use of radioactive Magnesium-Thorium alloy and any work-related problems associated with its use, made available nine documents.
James Acoin, Lincoln Evening Journal (80-356)	In response to a request for a final investigation report in 1965 and supporting documents concerning the Consumers Public Power District's facility located at Hallam, Nebraska, informed the requester the NRC has no documents subject to this request and referred his request to the Department of Energy for direct response.
(NRC employee) (80-358)	In response to a request for sanitized copies of the 198 appraisals for six named individuals, made available this information.

Granted, Cont'd

Anne Rapkin, State of Illinois (80-361)	In response to a request for all statements of policy and interpretations of the Uranium Mill Tailings Radiation Control Act not published in the Federal Register and all documents relating to Kerr-McGee Chemical Corporation's West Chicago facility, made available one document. Informed the requester other records subject to this request are available at the PDR for Region III.
Margot Myers, Office of Dennis DeConcini, United States Senate (80-370)	In response to a request, on behalf of a constituent, information concerning radiation exposure to her family resulting from the 1971 nuclear testing at the Nevada Test Site, informed the requester the NRC has no records subject to this request and referred the request to the Department of Energy for their response.
(NRC employee) (80-375)	In response to a request for all documents from February 15, 1980 pertaining to a grievance filed regarding Vacancy Announcement 79-551, made available four documents.
(An individual requesting information about himself) (80-382)	In response to a request for records of any radiation exposure to him, informed the requester the NRC has no records subject to this request and referred the request to the Department of Energy for direct response.
Stephanie J. Nocella, Advanced Technology, Inc. (80-388)	Informed the requester a copy of the non-proprietary version of the technical proposal and contract in response to NRC-04-79-209 entitled "Human Factors Evaluation at TMI" is available at the PDR.
M. Duncan Grant, Attorney-At-Law (80-389)	In response to a request for a copy of a letter dated January 4, 1973 from M. J. Reaves to Robert D. Nininger and a copy of the letter referred to in the first paragraph of the January 4, 1973 letter regarding commercial purchases of natural uranium, informed the requester the NRC has no records subject to the request and referred the request to the Department of Energy for direct response.
Debra D. McDonald, Nuclear Pharmacy, Inc. (80-390)	In response to a request for copies of material license applications and amendments issued to NuPharm, informed the requester the NRC has no records subject to the request.

Denied

Debra D. McDonald, Nuclear Pharmacy, Inc. (80-354)	In response to a request for NRC inspection letters or reports and responses thereto for Pharmatopes, Inc., and Pharmaco Nuclear, Inc., facilities, made available 33 documents. Denied portions of one document, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

DIVISION OF CONTRACTS

Week Ending August 1, 1980

PROPOSALS UNDER EVALUATION

RFP RS-NMS-80-022
Title - Management Control System for Sealed Source and Device Review
Description - The present sealed source and device review and cataloging system requires upgrading and improvement to provide for accurate document control, standardized review procedures and rapid and accurate retrieval of catalog information.
Period of Performance - Seven months
Sponsor - Office of Nuclear Material Safety and Safeguards
Status - Negotiations were conducted with those offerors in the competitive range during the week of July 28, 1980. Best and finals are due August 8, 1980.

CONTRACT AWARDS

1. NRC-06-80-302
Title - Medical Use of Radionuclides for State Regulatory Personnel
Description - The training course will acquaint the student with both the routine and special uses of radionuclides in medical diagnosis, therapy and research.
Period of Performance - One year
Sponsor - Office of State Programs
Status - A fixed-price contract in the amount of $8,218.00 was awarded to Memorial Sloan-Kettering Cancer Center on July 28, 1980.

2. NRC-06-80-304
Title - Safety Aspects of Industrial Radiography for State Regulatory Personnel
Description - The training course will acquaint the student with industrial radiography operations and the importance of radiation safety as it relates to those operations.
Period of Performance - One year
Sponsor - Office of State Programs
Status - A fixed-price contract in the amount of $8,716.00 was awarded to Gamma Industries Division of NSI on June 27, 1980.

CONTRACTS CLOSED OUT

(All administrative action completed and final payment made)

Contract No.	Contractor	Close-Out Date
NRC-02-77-200-6	General Research Corp.	7/28/80
NRC-02-77-200-7	Nuclear Services Corp.	7/28/80

ENCLOSURE A

DIVISION OF SECURITY

ITEMS OF INTEREST
WEEK ENDING JULY 28, 1980

During the week of July 25, 1980, Facilities and Systems Security Branch (FSSB) personnel coordinated with local law enforcement agencies and provided security support services for the Atomic Safety and Licensing Board Panel hearings in Two Rivers, Wisconsin.

ENCLOSURE A

DIVISION OF FACILITIES AND OPERATIONS SUPPORT

Week Ending August 1, 1980

EMERGENCY COMMUNICATIONS

Telecommunications Branch, in conjunction with representatives of SD, NRR, NMSS, and IE, is reviewing emergency communications requirements for the NRC Operations Center, the Regions, and the licensees. As a collateral effort, the branch is arranging a series of briefings by communications service and equipment vendors on latest state of the art methods for satisfying these requirements. The first such briefing was presented by COMSAT. Within the next two months, briefings will be given on the proposed Satellite Business System and recent developments in telemetry technology. Details of the arrangements for each briefing will be announced well in advance.

ENCLOSURE A

OFFICE OF NUCLEAR REACTOR REGULATION

WEEKLY ITEMS OF INTEREST
(Week Ending August 1, 1980)

Strike at Salem Nuclear Generating Station

The Project Manager for Salem-1 was notified by I&E Region 1, at 9 a.m. that the non-supervisory personnel at the Salem Nuclear Generating Station had gone on strike as of midnight last night. Salem-1 is being operated at 100% power by supervisory personnel and Salem-2 is in cold shutdown. The physical security personnel are not striking. All telephone communication with the Salem and Hope Creek Stations was disrupted at 12:15 a.m. as the result of telephone lines being cut at the site boundary. The licensee, PSE&G, has two radio freguencies for outside contact and is flying in four additional radiotelephones. The back-up NRC Resident Inspector returned to his site office before the strike began and remains on site. The strike was anticipated and the licensee has advised the NRC that sufficient personnel are available to operate Unit 1 in a safe mode.

ENCLOSURE B

NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

Week of July 27-August 2, 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 0800, August 1, 1980) (approximate values)
Average Incore Thermocouples: 141°F
Maximum Incore Thermocouple: 187°F

RCS Loop Temperatures:

	A	B
Hot Leg	140°F	143°F
Cold Leg (1)	104°F	82°F
(2)	115°F	84°F

RCS Pressure: 94 psig (Heise)
97 psig (DVM-controlling)

Pressurizer Temperature: 91°F

Reactor Building: Temperature: 88°F
Water level: Elevation 290.3 ft. (7.8 ft. from floor) via penetration 401 manometer
Pressure: -0.5 psig (Heise)
Noble Gas
Concentration: 3.43×10^{-3} uCi/cc (Kr-85)

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 EPA monitoring of the environment around the TMI site were:

ENCLOSURE B

-- EPA environmental stations registered background levels for air particulate and water samples. Gamma scan results for all sampling locations were negative.

-- Instantaneous direct radiation readings showed an average level of 0.012 mRem/hr at the 17 monitoring stations.

-- An apparent increase in gamma radiation was noted from 3:00 - 4:00 p.m. on Monday, July 28, 1980, at the TMI North gate monitoring station. The maximum reading was approximately 10 times the normal readings for that station. The air sample that was taken at the same location and time was examined by gamma spectroscopy and showed no evidence of reactor related radioactive material. The gamma radiation recorder in use at that station failed during the next sampling period. Investigation into the cause of the elevated reading is continuing but at this time EPA believes that the most probable cause is instrument malfunction.

The TMI Program Office staff has inspected the licensee's effluent records and operation logs and found no correlation between the licensee's evolutions and the elevated reading.

4. NRC Environmental Data

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

Sample	Period	I-131 (uCi/cc)	Cs-137 (uCi/cc)
HPR-226	July 23-July 30, 1980	<4.8E-14	<4.8E-14

No reactor related radioactivity was detected.

-- The licensee provided the following monthly inventory of Kr-85 releases for 1980: January-80 Ci, February-80 Ci, March-63 Ci, April-69 Ci, May-85 Ci, June-347 Ci, and July (to midnight July 10) 42,615 Ci. This results in a total Kr-85 release of 43,439 Ci, as of midnight July 10, 1980.

The licensee stated that the uncertainty for Kr-85 released during the purge is ± 10%.

-- Environmental TLD measurements for the period May 29, to July 2, 1980, indicate gamma radiation to be at the natural background levels. Fifty-nine TLD's registered doses ranging from 0.10 mR/day to 0.20 mR/day. Average dose was 0.13 mR/day. These dose rates are consistent with natural background radiation in the TMI area.

5. Radioactive Material and Radwaste Shipments were as follows:

-- On Monday, July 28, 1980, a 40 ml Unit2 reactor coolant sample was shipped to Babcock & Wilcox (B&W) Lynchburg, Virginia.

-- On Thursday, July 31, 1980, an EPICOR I dewatered resin liner (D17) was shipped to Nuclear Engineering Company (NECO), Richland, Washington.

-- On Friday, August 1, 1980, an EPICOR I dewatered resin liner (D-14) was shipped to Nuclear Engineering Company (NECO), Richland, Washington.

Major Activities

1. EPICOR II System. A scheduled two week outage for this system is to start on August 11, 1980. The major work effort on this system is various maintenance items to improve personnel safety.

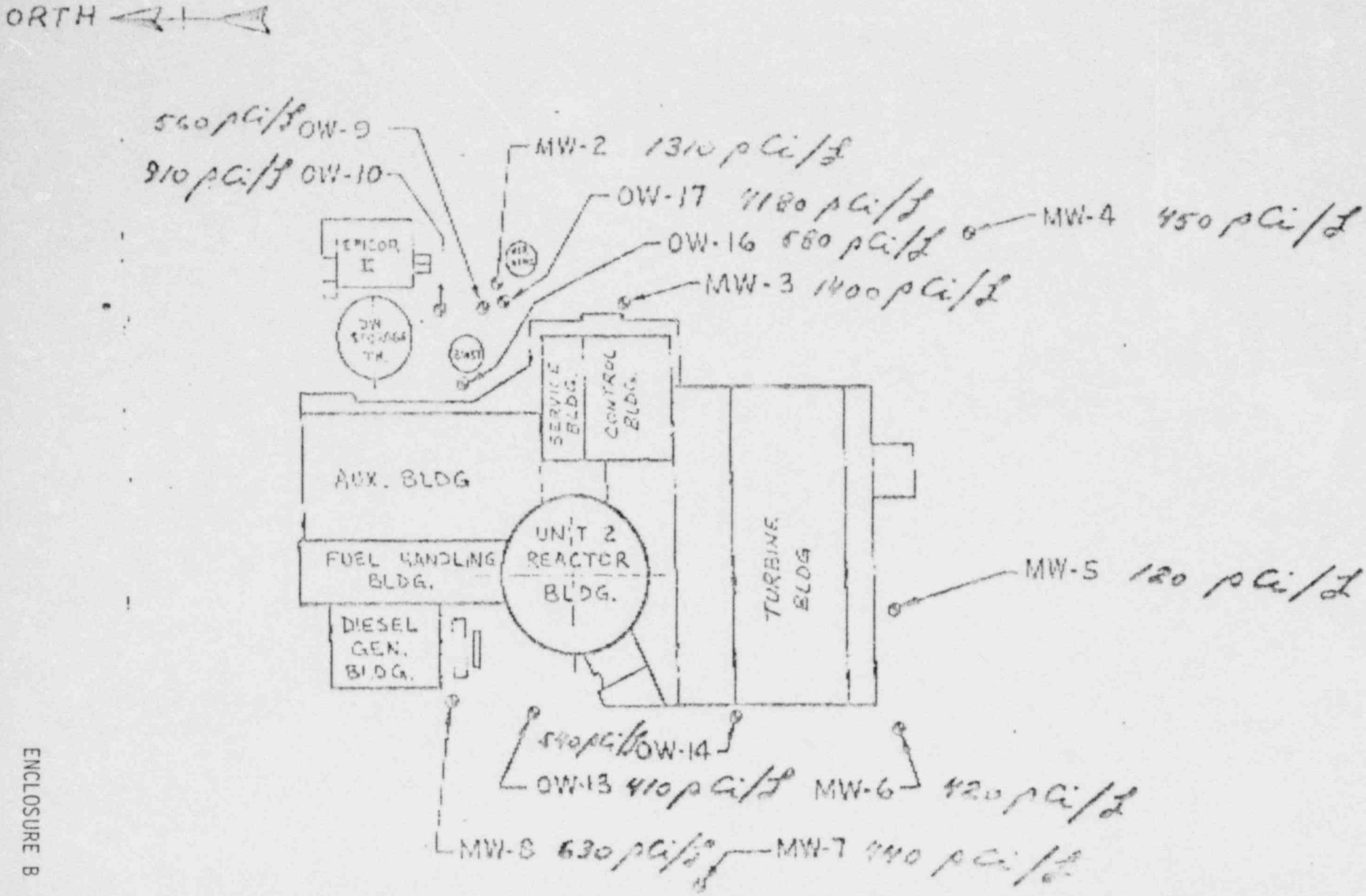
2. Reactor Building Purge. During the week the reactor building concentration results continued to indicate offgassing of Kr-85 from the reactor building sump water. On Friday, August 1, 1980, a purge of the reactor building atmosphere was conducted for two hours and 23 minutes releasing approximately 57 Ci of Kr-85, based on HPR-219A monitor readings.
Weekly purges on Friday afternoons are planned. NRC review of data for prepurge and postpurge analytical results or reactor building atmosphere samples is being monitored.

3. Reactor Building Entry. The next scheduled entry into the reactor building is during the week of August 15, 1980. A data package on the previous entry is being prepared by the licensee.

4. Mini Decay Heat (MDH) System. During the week the licensee submtted proposed Technical Specifications for operation of the MDH system. Associated surveillance requirements (Recovery Operating Plan) as yet were not submitted. Major outstanding items for system operation are: Replace carbon steel filter housings with stainless steel filter housing; perform the functional test of the system; complete operator training; and issue associated operating procedures; to address MDH system operation. The system startup is expected late August 1980.

5. Ground Water Monitoring Program. A map showing the locations of the 16 ground water sampling wells annotated with the latest, July 7, 1980, tritium concentrations in picocuries per liter is attached. The highest tritium concentration was detected in OW-17. This well is located approximately 20 feet from the borated water storage tank valve manifolds which are known to have leaked periodically. Wells MW-1 and OW-15 were drilled at each end of the island to serve as indicators of the normal background tritium activity.

WELL LOCATIONS



ENCLOSURE B

COMMENTS:

1. MW-1 LOCATED IN NORTH PARKING LOT @ COORDINATES N 301,460.04 E 2,286,538.94
   240 pCi/l
2. OW-15 LOCATED ON SOUTH END OF ISLAND @ COORDINATES N 292,905.44

OFFICE OF STANDARDS DEVELOPMENT

IMPORTANT EVENTS FOR THE WEEK ENDING AUGUST 1, 1980

1. Radiation Policy Council Public Meetings in Denver and San Francisco: The second and third of the Radiation Policy Council regional public meetings on radiation issues were held in Denver on July 29 and in San Francisco on July 31. The purpose of the meetings is to obtain comments on issues that the RPC should address and on the topics it already has under study.

   The audience at the Denver meeting varied between 15 to 30 people at various times of the day and 14 people made presentations. A film crew from TV Channel-4 in Denver filmed part of the meeting. The general area of most interest to the participants was mining and milling and associated radiological problems. Other topics discussed were radiological impact of the Rocky Flats plant and problems associated with disposal of low-level waste from medical facilities. The need for better coordination among Federal agencies and between Federal agencies and State agencies was discussed, as was the need for better public education in radiation matters. EPA was criticized for being so slow in developing needed regulations.

   The audience at the San Francisco meeting varied between 30 to 60 people and 25 people made presentations. A delegation of 4 people from the State of California presented a coordinated, broad-ranging discussion of several radiation issues. The delegation was headed by Phillip A. Greenberg, Special Consultant to the Governor for Energy and Radiation. The major theme throughout the State discussion was that there are major problems with the way Federal agencies are regulating radiation, that Federal preemption of State authority should be stopped, and that the State should play a bigger role in radiation regulation. Specific areas discussed by the State representatives were transprotation of radioactive materials, decommissioning of facilities, controlled, filtered venting of reactor containment, containments, waste disposal (both high and low level), emergency response to accidents, over-utilization of X-rays, occupational radiation exposure limits, and the building of facilities without adequate seismic protection.

   Topics most discussed by the other speakers were low level waste disposal, radon levels in buildings, occupational exposure levels, and ocean disposal of radioactive wastes. EPA was criticized for not publishing a 1977 report on ocean dumping of radioactive wastes off the coast of California. NRC was criticized for not regulating research reactors properly.

   [Ray G. Smith, 443-5938]

ENCLOSURE C

2. On July 25, 1980, the Acting Executive Director for Operations approved for publication and signed a Federal Register notice of denial of petition for rulemaking PRM 30-56 proposing that the Nuclear Regulatory Commission be divided into two separate entities. As stated by the petitioner, "One area would cover power reactors, uranium mining, nuclear weapons manufacturing, nuclear fuel processors, and any area that deals with fissile materials. The other area would deal with byproduct materials." On that same date, the petitioner, Walter P. Peeples, Jr., President, Gulf Nuclear, Inc., was informed with a letter of the grounds of denial which stated: Given the structure of the Energy Reorganization Act of 1974, as amended, it is clear that Congress intended the newly created Nuclear Regulatory Commission to have licensing and related regulatory authority not only over nuclear reactors, uranium milling, nuclear fuel processing and reprocessing, and other areas dealing with fissile materials but also have this same authority over byproduct materials. The NRC itself cannot "... separate the United States Nuclear Regulatory Commission into two separate entities ...". Such a separation could only be accomplished in either of two ways: (1) enactment of legislation by the U.S. Congress, the method by which the existing NRC was created; or (2) through implementation of an Executive Reorganization Plan pursuant to 5 U.S.C. 901 et seq.

   [J. Henry, 443-5946]

3. Visit by British Officials on Radiological Protection: On July 24, 1980, Mr. G. A. M. Webb and Dr. R. H. Clarke of the UK National Radiological Protection Board met with members of the NMSS, NRR and SD staff. The discussions covered: (a) emergency actions, including protection action guides and accident evaluation philosophy; (b) the ALARA principle, including use of several alternative analysis methods, and its application to the general public, workers, and waste management studies; and (c) occupational exposure, including standards, limits and levels. The discussions were very valuable to the NRC staff members as it appears that the UK is somewhat more advanced than we are in the consideration and implementation of some of these matters. Of particular interest were: (1) the UK official's views on optimization (a concept set forth in ICRP Publication 26 which involves minimizing the total cost for radiological protection taking account of both the cost of equipment and operational costs to alter the levels of exposures and the assumed cost of the biological effects assumed to result from the operations; a draft document, ICRP/80/C4-3/2, dealing in detail with optimization, has been made available to the staff for review and comment); and (2) the fact that the UK has considered imposing additional constraints on collective occupational doses but appears to be backing away from such constraints in favor of implementation of the ALARA concept and application of investigational levels and limits on individual dose.

   [Walter S. Cool, 443-5970]

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending August 1, 1980

LLW Workshop on 10CFR61

On July 14 and 15 and July 17 and 18, representatives of the Division of Waste Management attended two low-level waste disposal workshops to review the draft Part 51 regulations for licensing low-level waste disposal sites. The July 14 and 15 workshop was held in Denver, Colorado, under an NRC contract with the Western Interstate Energy Board. The July 17 and 18 workshop was held in Chicago, Illinois, under a contract with the Midwestern Office of the Council of State Governments. Both workshops brought together representatives from all branches of government, public interest groups, industry, and the general public to discuss the technical, institutional, and organizational issues of the draft low-level waste regulation.

National Plan for Radioactive Waste Management

On July 30, 1980, Waste Management Division personnel participated in a peer review meeting of the National Plan being prepared under the direction and leadership of the Department of Energy. The purpose of this meeting was to discuss low-level waste, remedial action programs, and the decontamination and decommissioning activities for the surplus DOE facilities. The participants were informed by the DOE project manager that the time schedule had slipped approximately six months and that the final product would not be published until June or July 1981. In addition, DOE now believes that the National Plan will not be considered a decision making document, but rather a compilation of the various agency plans on waste management over the two decades. A number of the participants suggested that this DOE activity was more a report of federal actions than a comprehensive national program plan. It appeared as if most participants were concerned that the DOE structure and management of the National Plan for Radioactive Waste Management might not provide the public and Congress with any assurance that nuclear waste problems could be solved by the federal government.

NRC Staff Participation in Ontario, Canada, Hearings on Uranium Mill Tailings

At the request of the Select Committee on Ontario Hydro Affairs, Messrs. Ross A. Scarano and Hubert J. Miller of the Uranium Recovery Licensing Branch, NMSS, will appear before the Committee on August 6, 1980, in Toronto to discuss current U. S. NRC mill tailings licensing requirements and the proposed mill tailings regulations issued for comment in August, 1979. Currently, the Committee hearings are focused on the mining and milling of uranium ore at Elliot Lake.

ENCLOSURE D

New Uranium Mill Application

Conoco, Inc., has applied for an NRC source material license for a new 3000 ton per day uranium mill located in Campbell County, Wyoming.

The proposed method of tailings disposal is below grade in exhausted open mine pits with a clay liner and dewatering system for seepage control and a 10 feet minimum final cover.

DOE Hot Experimental Facility (HEF)

On July 30, 1980, personnel of the Safeguards Division and the Fuel Cycle Division, NMSS met with representatives of Oak Ridge National Laboratory and DOE to discuss the status and progress on the HEF work at ORNL. In the next few months, ORNL intends to submit to NRC the physical security design for an informal Safeguards review and to meet with NRC personnel to review the MC&A approach adopted.

Incineration of Radioactive Waste, Albemarle County, Virginia

The county of Albemarle, Virginia, on July 16, 1980, adopted an emergency ordinance forbidding the incineration of radioactive waste having a half-life greater than twelve years. The ordinance was passed as a response to a recent NRC authorization to the University of Virginia to dispose of low-level radioactive waste by incineration. The principal radioisotopes in the waste to be incinerated are tritium and carbon-14. The county will hold a public hearing on the ordinance within 60 days of July 16, 1980.

Meeting with Bureau of Radiological Health and Atomic Energy of Canada Limited

Members of NMSS met with reprsentatives of the Bureau of Radiological Health (BRH) and the Atomic Energy of Canada Limited (AECL) on July 30, 1980 to discuss additional failure modes which were discovered during design testing of the radiation field defining light systems on four models of teletherapy units manufactured by AECL, Commercial Products (AECL-CP). AECL is notifying teletherapy users of these potential failure modes, which could result in lower doses to patients than prescribed by the physician. Their proposed design change will be retrofitted within an 18 month period beginning in February 1981. In the interim, an inspection procedure is being formulated by AECL, for NRC and BRH approval, which will enable the operator to check for failure symptoms.

United Nuclear Corporation, Wood River Junction

On July 30, 1980, a followup meeting was held in Providence, Rhode Island, at the request of the Governor, to discuss the decontamination and decommissioning of the United Nuclear Corporation plant at Wood River Junction. The meeting was attended by state and local officials, press, as well as representatives of the Concerned Citizens of Rhode Island. Topics discussed were the mechanism for state and public participation in the decommissioning process, and more extensive monitoring to evaluate the contamination in the aquifer below the plan site and in the Pawcatuck River into which the aquifer flows. Questions were also raised concerning the source of strontium-90 and cesium-137 detected in this aquifer and the confirmatory surveys that will be performed by NRC prior to taking licensing action on any requests from United Nuclear Corporation to terminate the license and release the property for unrestricted use. The staff informed the participants that two Local Public Document Rooms had been recently initiated and were being backfitted to the timely license renewal in 1976 and all future correspondence will also be transmitted to these LPDR's. Also, the staff committed to keep the state informed of the progress of the decontamination of the facility and that prior to taking any licensing action, notice would be given to the state and public and to the Concerned Citizens of Rhode Island, what action NRC plans to take. The state, in closing, indicated that the agenda items and the appropriate portions of the discussion would be documented in a letter from Governor Garahy to the Commission.

4. Public Meeting on National Institute for Occupational Safety and Health (NIOSH) Respirator Testing and Certification Program: The NRC's regulations generally require the use of only NIOSH tested-and-certified respiratory protective equipment (respirators) in NRC-licensed activities. Accordingly, both the quality of the NIOSH testing and certification (TC) program and its continued existence are important to the NRC. Over the past few years, NIOSH has experienced difficulties with the implementation of its TC program. On July 28-30, 1980, NIOSH held a public meeting at NBS to solicit views from interested parties on the future conduct of the NIOSH TC program. SD staff members attended this meeting and presented NRC staff views on the need for the continuation and strengthening of the NIOSH TC program.

   NIOSH is currently considering a number of different courses of action with respect to the future of its TC program, ranging from increased efforts to continue to improve the program's effectiveness to abandoning the program.

   [J. L. Caplin, 443-5970]

Publications Issued During the Week of July 28-August 1, 1980

Draft Regulatory Guide and Value/Impact Statement: Standard Format and Content of License Applications, Including Environmental Reports, for In Situ Uranium Solution Extraction, Task FP-818-4. Comments requested by September 30, 1980.

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending August 1, 1980

1. Eastern Testing and Inspection, Inc., Pennsauken, NJ - Civil Penalty Action - On July 31, 1980, the Commission received a check in the amount of $575 from the subject licensee as the first of 12 payments for a civil penalty of $6,900 imposed by Order.

2. Nuclear Pharmacy, Inc., Chicago, IL - Civil Penalty Action - On July 31, 1980, the Commission received a check in the amount of $4,200 from the subject licensee in payment of the proposed civil penalty of $5,700 issued on June 27, 1980. The licensee denied one item of alleged noncompliance for which a civil penalty of $1,000 was proposed and requested mitigation of the proposed penalty of $1,000 to $500 for another item. The licensee's response is under review by the staff.

3. The following Notifications of Significant Enforcement Action were dispatched during the past week:

   a. EN-80-32 Carolina Power and Light Company (Brunswick Units 1 and 2) - On August 1, 1980, a Notice of Violation and a Notice of Proposed Imposition of Civil Penalties in the amount of $89,000 were issued to the subject licensee. This action is based on alleged items of noncompliance relating to improper disposition of licensed radioactive material and the sale of items contaminated with radioactive material to salvage dealers.

   b. EN-80-33 Baltimore Gas and Electric Company (Calvert Cliffs Nuclear Power Plant) - On August 1, 1980, a Notice of Violation and a Notice of Proposed Imposition of Civil Penalties in the amount of $21,000 were issued to the subject licensee. This action is based on alleged items of noncompliance relating to the operation of Calvert Cliffs Unit 1 for about three hours in a condition exceeding the Limiting Condition for Operation which rendered both Auxiliary Feedwater Pumps unavailable for automatic start and supply of water to the steam generators for decay heat removal or cooldown purposes. This action is also based on three alleged items of noncompliance relating to security.

4. Preliminary Notifications relating to the following actions were dispatched during the past week:

   a. PNO-I-80-110 Salem Units 1 & 2 - Strike of IBEW, Including Licensed Reactor Operators

   b. PNO-I-80-110A Salem Units 1 & 2 - Update Concerning IBEW Strike

   c. PNO-I-80-111 Peach Bottom Unit 2 - Contaminated Injury

   d. PNO-I-80-112 Millstone Unit 2 - Heavy Rain Causing Flooding of Auxiliary Building

ENCLOSURE E

e. PNO-I-80-113 Indian Point Unit 3 - Unplanned Release of Gaseous Radioactive Material Not in Excess of Technical Specifications

f. PNO-I-80-114 Nuclear Metals, Inc., Concord, MA - Release of Molten Depleted Uranium From Reduction Furnace

g. PNO-II-80-128 Hatch Unit 2 - Failure of Scram Level Floats

h. PNO-II-80-129 Crystal River Unit 3 - Release of Contaminated Water

i. PNO-II-80-130 Nuclear Fuel Services, Inc., Erwin, TN - Minor Fire in Main Process Building

j. PNO-II-80-131 Fitzpatrick - Suspension of Fitzpatrick NPS Burial Permit by South Carolina

k. PNO-II-80-132 Farley Unit 1 - Turbine Oil Leak and Reactor Trip

l. PNO-II-80-133 Westinghouse Electric Corporation, Columbia, SC - Uranium Hexafluoride Leak

m. PNO-III-80-139 Zion Unit 2 - Return to Operation Following an Extended Outage

n. PNO-III-80-140 and -140A Palisades - Incorrect Line-Up of Containment Sump Isolation Valve

o. PNO-III-80-141 Pharmatopes, Oak Park, MI - Lost 100 Millicurie Technetium-99m Source

p. PNO-III-80-142 Davis-besse Unit 1 - Office Employees Union Strike

q. PNO-III-80-143 Carle Clinic Association, Urbana, IL - Apparent Overexposure of Four Nuclear Medicine Technicians

r. PNO-V-80-54C San Onofre Unit 1 - Steam Generator Tube Degradation

s. PNO-V-80-61 Nuclear Engineering Co. Richland, Washington Burial Site - Banning of Radiac Research Corporation, Brooklyn, New York (State Licensee) for Radioactive Waste Shipments

t. PNO-V-80-62 Trojan - Resignation of Oregon State Resident Inspector at Trojan

u. PNO-TMI-80-38J Three Mile Island Unit 2 - Reactor Building Purge Status

5. The following IE Bullitins were issued:

a. IE Bulletin 80-19, "Failures of Mercury-Wetted Matrix Relays in Reactor Protective Systems for Operating Nuclear Power Plants Designed by Combustion Engineering," was issued on July 31, 1980 to all power reactor facilities with an operating license or construction permit.

b. IE Bulletin 80-20, "Failures of Westinghouse Type W-2 Spring Return to Neutral Control Switches," was issued on July 31, 1980 to all power reactor facilities with an operating license or construction permit.

6. The following IE Information Notice was issued:

a. Supplement to IE Information Notice 80-06, "Notification of Significant Events at Operating Power Reactor Facilities," was issued on July 29, 1980 to all power reactor facilities with an operating license and to near term operating license applicants.

OFFICE OF THE EXECUTIVE LEGAL DIRECTOR

ITEMS OF INTEREST

WEEK ENDING AUGUST 1, 1980

St. Lucie Nuclear Power Plant, Unit 2 (CP)

On July 30, 1980, the Appeal Board issued a Decision (ALAB-603) in which it found that 1) Unit 2 meets General Design Criteria 17 for diversity of electric power sources from the transmission network to the onsite distribution system; 2) a complete loss of AC power must be considered a design basis event for Unit 2; 3) in the event of loss of AC power plant can be maintained in safe condition for a number of hours; 4) there is a high likelihood that AC power, if lost, can be restored before a serious public health or safety problem develops; 5) behavior of Unit 2 during station blackout must be analyzed; and 6) there is a need to train operators for blackout operation and develop written procedures. On the basis of the findings the ASLB ordered that the FSAR include an analysis demonstrating the ability of the plant, in its final design, to operate through a total loss of AC power The Applicant was also required to detail its training programs and procedures for station operation in a blackout and for restriction of AC power. The CP was ordered modified accordingly.

Haven Nuclear Plant

On July 30, 1980, the presiding ASLB dismissed this proceeding upon request of the Applicants, Wisconsin Electric Power Company, et al.

ENCLOSURE G

ITEMS OF INTEREST
OFFICE OF INTERNATIONAL PROGRAMS
WEEK ENDING AUGUST 1, 1980

Pipe Cracking at Swedish Reactors

The Swedish Nuclear Power Inspectorate has notified NRC that cracks have been found in the main feedwater piping at three Swedish operating BWRs. (Feedwater piping is part of the primary reactor system boundary in a BWR.) The cracks varied in depth from 0.5 to 6 mm, the largest being roughly one-quarter of the pipe wall thickness. The piping material is reported to be equivalent to ASTM 304L material used in the U.S. All three reactors were designed by the Swedish firm ASEA-Atom.

The reported information has been distributed to the cognizant staff offices for evaluation. An additional report describing the details of the cracking is expected, and will be forwarded to the staff promptly.

IAEA Technical Assistance Missions

Jay Lee, NRR, will be traveling to Seoul, S. Korea on August 9 for a 4-week IAEA Technical Assistance Mission to advise both the Korean Atomic Energy Research Institute (KAERI) and the Korean Atomic Energy Bureau (KAEB) on nuclear safety activities.

Cordell Williams, Region III, will be traveling to Manila, The Philippines, in September on an IAEA Technical Assistance Mission to advise the Philippine Atomic Energy Commission on welding inspection techniques.

Foreign Visits to NRC

On Tuesday, Dr. Heinz Riesenhuber, a Member of the German Federal Parliament, met with J. R. Shea, IP Director, J. D. Lafleur, IP Deputy Director, and Mr. Peterson, IP Acting A/D for Export/Imports and International Safeguards, to discuss nuclear safety issues.

On Tuesday, Dr. A. Alonso, Administrator of the NRC Bilateral Arrangement with the Spanish Junta de Energia Nuclear (JEN), met with J. D. Lafleur, IP Deputy Director, for the annual administrator's meeting. Dr. Alonso also held a brief meeting with H. R. Denton, NRR Director.

On Tuesday, Srs. Carraminana and Villadongia of the Spanish Junta de Energia Nuclear (JEN) met with (1) V. Benaroya of CEB/NRR to discuss water hammer problems, (2) A. C. Thadani of GIB/NRR to discuss ATWS, and (3) W. LaVine of IP to discuss the acquisition of code manuals and tapes. The visitors also attended Dr. Alonso's discussions with H. R. Denton, NRR Director.

On Wednesday, Peter Haire of the U.K. Central Electricity Generating Board (CEGB) met with Frank Pagano, NRR/Emergency Preparedness Program Office, to discuss the CEGB's current thinking regarding the use of off-site emergency support centers in the U.K. This meeting was arranged as a follow-up to answer NRC questions raised following the June 3 visit of CEGB Chairman Mr. England to NRC.

On Wednesday, Mr. Leif Persson, Barseback Plant Safety Officer of the Swedish utility Sydsvenka AB, and Mr. Lars Larsson, Attache (Science amd Technology), met with H. E. Collins, Deputy Program Director, and J. Sears of the Emergency Preparedness Program Office of NRR, to discuss emergency planning for heavily populated areas, and with R. Blond of PAS/RES to discuss probability risk assessment.

On Wednesday, Mr. H. John Dunster, Deputy Director General of the U.K. Health and Safety Executive, met with H. R. Denton, NRR Director, R. B. Minogue, SD Director, and J. D. Lafleur, IP Deputy Director, to discuss NRC siting policy.

On Thursday, Mr. Claude Blanchemaison, Counselor of the French Permanent Mission to the European Communities, met with G. Eysymontt of OPE to discuss the NRC perspective on (1) the need to balance energy and non-proliferation requirements, (2) assessment of the recently-completed INFCE program, and (3) plans to integrate nuclear power into an overall energy program in the U.S.

On Friday, IP arranged a conference call for Mr. George Vayssier of the Dutch Nuclear Inspectorate, and a representative of the Dutch Nuclear Research Establishment to talk to F. Eltawila, C. Grimes, N. Su, and C. Anderson of NRR, for a discussion of (1) quencher loadings, (2) condensation oscillation and clogging, and (3) containment pressure response.

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OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING AUGUST 1, 1980

Andy Dobrzeniecki, a summer technical intern from M.I.T., and Don Gibbons, a consultant from Los Alamos Scientific Laboratory, visited Maryland and Florida, July 16-23, to assist with their transportation surveillance program.

In a May 20 memorandum to heads of departments and agencies from James T. McIntyre, Jr., Director, OMB; Frank Press, Office of Science and Technology Policy; and Jack Watson Assistant to the President for Intergovernmental Affairs, NRC was asked to identify those R & D programs proposed in the FY 82 budget which will substantially benefit or impact State and local governments and to describe the processes by which those State and local governments were consulted in the formulation of those R & D programs. Frank Young, Acting Assistant Director for Program Development attended a meeting of the Intergovernmental Science, Engineering and Technology Advisory Panel on Friday, July 25 in the Rayburn HOB. It is intended that, starting with the FY 82 budget cycle, one of the budget cross-cuts will be the benefit to State and local government plus consultation with them in the development of the programs. Although the May 20 memorandum limits the definition of R & D to narrow limits, we are asked informally to broaden it to include technical support.

William B. Menczer, Region III, RSLO, was in the State Emergency Operation Center in Des Moines, Iowa on July 29, 1980 to observe an exercise of Iowa's Radiological Emergency Response Plan. He was interviewed concerning the exercise by Television personnel from Channel 13-WHO and Channel 8-KCCI both in Des Moines. Excerpts from those interviews were broadcast on their news program at 12 noon and 6 PM on July 29, 1980.

Jim Montgomery, Region IV SLO, serving as the NRC representative on Regional Assistance Committee, observed Fort Calhoun Nuclear Plant (Nebraska) annual emergency response exercises on July 29. The exercises lasted all day with participation by State and county agencies. Comments received during post exercise critique were favorable indicating licensee and off-site agencies had performed responsibilities well.

On July 31 Jim Montgomery met with Arkansas Governor Clinton and other State officials in Little Rock to discuss a variety of nuclear issues. Participating with him were Jim Sniezek and Karl Seyfrit.

Bob Trojanowski, Region II SLO, participated as member of the Regional Advisory Committee on Emergency Preparedness, in a meeting with Alabama State officials in Montgomery, Alabama, on July 28-30, 1980. The purpose of the meeting was to discuss the Alabama emergency plan which is expected to be submitted for approval later this fall.

ENCLOSURE I

OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS

Items of Interest

WEEK ENDING AUGUST 1, 1980

Accountability in FY 81

Provided EDO with a draft plan to improve accountability mechanisms in NRC. Plan is based on experience with the decision unit tracking system gained in FY 80 and takes into account comments and criticisms from the program offices.

Operating Unit Status Report

Distributed June issue of Gray Book, NUREG-0020.

Organization Chart

Published Announcement No. 84, NRC Organization Chart dated July 1980.

ENCLOSURE J

Office of the Controller
Items of Interest
Week Ending August 1, 1980

FY 1982 - FY 1983

The Commission's final mark on NRC's FY 1982 - FY 1983 budget was distributed to the staff.

FY 1981 Budget

The Subcommittee on Energy and Water Development, House Committee on Appropriations approved the TMI reprogramming actions.

Enclosure K

OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA

ITEMS OF INTEREST

WEEK ENDING AUGUST 1, 1980

The AEOD case study on the June 28, 1980 Browns Ferry 3 partial failure to scram was completed. A copy of the report and executive summary have been distributed, and NRR has been requested to initiate appropriate action based upon the report recommendations.

The report indicates that:

1. There are several credible ways which water can accumulate undetected in the scram discharge volume providing a potential for unreliable scram capability.

2. There are scram events that can result in an unisolatable reactor coolant blowdown outside of primary containment if the single isolation valve should fail.

Specific recommendations regarding system modifications to reduce the risk posed by these deficiencies are identified in the report.

ENCLOSURE L

SCHEDULED SPEAKING ENGAGEMENTS

Date	Organization/Location	Subject	Speaker
8/14/80	Georgia Tech Atlanta, GA	Radiation Protection at Nuclear Stations	A. Gibson, RO II
8/14/80	Georgia Tech Atlanta, GA	Radiation Protection for Industrial and Medical Uses of Radioisotopes	R. Woodruff, RO II
8/14/80	Georgia Tech Atlanta, GA	Radiation Protection at Fuel Facilities	A. Gibson, RO II
9/9/80	University of Chicago	Personnel Dosimetry Performance Testing	R. Alexander, HQ
9/9/80	Nuclear Records Mgmt Assn Houston, TX	Inspection of QA Requirements for Records	W. Ruhlman, RO II
9/18/80	Rotary Club Roseland, NJ	Cleanup at TMI 2	T. Elsasser, RO I
9/22/80	League of Women Voters Calvert County, MD	Nuclear Energy in Calvert County (Calvert Cliffs)	R. Architzel, RO I
10/5/80	Missouri Valley Nuclear Medicine Society, St. Louis	NRC Inspection of Nuclear Medicine Programs	C. Paperiello, RO III
10/6/80	School of Nuclear Medicine J.F. Kennedy Medical Center Edison, NJ	Requirements for NRC Inspection Process	L. Friedman, RO I
10/7/80	Univ. of Illinois Medical Center, Chicago	Waste Handling & Disposal (Sponsored by Univ of IL and Dept of Public Health)	J. Pagliaro, RO II
10/9/80	Society of American Military Engineers - Atlanta Post, GA	Overview of NRC	K. Clark, RO II
10/15/80	American Society for Non-destructive Testing Roseland, NJ	Industrial Radiography - An NRC Perspective	F. Costello, RO I
10/24/80	Regional Emergency Medical Services Program, Inc. Canandaigua, NY	Transportation Emergencies Involving Radioactive Materials	M. Slobodien, RO I
10/27/80	Power Engineering Society Atlanta Chapter-IEEE, GA	Three Mile Island	R. Martin, RO II

ENCLOSURE N