

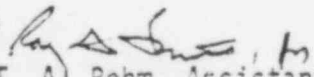
August 2, 1979

For: The Commissioners
From: T. A. Rehm, Assistant to the Executive Director for Operations
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING JULY 27, 1979

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

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

Contact:
T. A. Rehm
49-27781


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

*No input this week.

**Deleted from Commissioners and PDR Copy.

797 . 191

7908220 250

SUMMARY OF KEY EVENTS
Week Ending July 27, 1979

Pilgrim

On July 27, the switchyard at Unit 1 was hit by lightning resulting in loss of offsite power to the station. As a consequence, the reactor scrambled. On startup attempt, incomplete valve closure was indicated. The plant was brought to cold shutdown to repair or replace the topworks of the valves. Startup is expected tomorrow.

GE

On July 26, GE advised us of a Part 21 notification relative to the environmental qualification of teflon coated motor leads to Limitorque operators. GE is now notifying plants of required corrective actions and schedules.

Fort Calhoun

Omaha Public Power District has applied to the NRC for authorization to increase the power level of Unit 1 from 1429 MWt to 1500 MWt.

Oconee

On July 24, while at 25% power, Unit 1 was shut down due to a steam generator tube leak. The shutdown is required by the Technical Specifications.

Early Site Review

Based on discussions with Middle South Services, Inc., NRR expects to receive an early site review application in May 1980 for a two unit nuclear plant in southern Louisiana.

Denial of Petition for Rulemaking

On July 18, the EDO signed a Federal Register notice of denial of petition for rulemaking. The petition requested the Commission to form a review board made up of responsible members of industry to review all pertinent regulations and to clarify the positions of the industry prior to issuance of all new regulations.

Proposed Hansen Project

On July 23, NMSS received an application to process uranium mill tailings that will be produced at the proposed Hansen Project. Although Colorado is an Agreement State, the Uranium Mill Tailings Radiation Control Act of 1978 requires that a byproduct license to possess tailings be obtained from NRC.

Kerr-McGee Nuclear Corporation Application

NMSS received an application and an environmental report from Kerr-McGee Nuclear Corporation for a source material license to recover uranium utilizing ion exchange techniques on minewater from multiple sites in Wyoming.

Strike at Nuclear Fuel Services, Erwin, Tennessee

The strike at the NFS facility has been resolved. Workers are to work on August 5.

State Agreements

On July 26, SP and CA briefed Senator Packwood's staff and the Senate Committee on Commerce, Science and Transportation regarding the forthcoming shipments of TMI waste to the Hanford low-level waste burial site.

Nevada Governor List re-visited the Beatty low-level waste burial site on July 24.

NASAP/INFCE

MPA circulated for comment a draft of the first semi-annual report to Congress on the status of domestic and international evaluations of alternative nuclear fuel cycle systems.

FY 1980 Budget

The House and Senate Appropriations Conference Committees met and approved an appropriation for the NRC totalling \$363,340,000 and 3,034 permanent positions. The Appropriations Act is expected to be signed by the President in mid-August.

OFFICE OF ADMINISTRATION

Week Ending July 27, 1979

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Received	313	24
Granted	178	5
Denied	52	7
Pending	83	12

ACTIONS THIS WEEK

Received

Emojean Girard,
Attorney-At-Law
(79-277)

Requests all documents empowering the Arizona Atomic Energy Commission to act within the State of Arizona in the place of the NRC involving nuclear matters.

Alletta d'A. Belin,
Center for Law in
the Public Interest
(79-278)

Requests all documents relating to or mentioning [a named person].

Alletta d'A. Belin,
Center for Law in
the Public Interest
(79-279)

Requests all documents relating to or mentioning the organization known as Project Survival.

Alletta d'A. Belin,
Center for Law in
the Public Interest
(79-280)

Requests all documents relating to or mentioning [a named person].

Alletta d'A. Belin,
Center for Law in
the Public Interest
(79-281)

Requests all documents relating to or mentioning [a named person].

Alletta d'A. Belin,
Center for Law in
the Public Interest
(79-282)

Requests all documents relating to or mentioning the organization, People Against Nuclear Power.

CONTACT: J. M. Felton
492-7211

797 194

ENCLOSURE A

Received, Cont'd

Troy B. Connor,
Counsel for Nuclear
Engineering Co., Inc.
(79-A-15-79-213)

APPEAL TO THE COMMISSION the denial of documents relating to Staff Order to Show Cause in the case of the Nuclear Engineering Company, Inc. disposal site at Sheffield, Illinois.

Ellyn R. Weiss,
Sheldon, Harmon,
Roisman, & Weiss,
on behalf of UCS
(79-A-16-79-100 & 79-167)

APPEAL TO THE EDO for the release of the Incident Response Center transcripts.

Michael Jenks,
(79-A-17-79-205)

APPEAL TO THE EDO for documents pertaining to the importation into the U.S., and disposal thereof, of nuclear waste materials from foreign countries.

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

APPEAL TO THE EDO, on behalf of his client, the denial of documents relating to the selection of Director, Division of Organization and Personnel.

Granted

John R. Emshwiller,
The Wall Street Journal
(79-128)

In response to a request for tests, written answers, and scores of the reactor operators licensed for the Three Mile Island Nuclear Station Unit 2, informed the requester this information is located in the PDR.

Ellyn R. Weiss,
Sheldon, Harmon,
Roisman & Weiss,
on behalf of UCS
(79-149)

Made available documents in the PDR relating to Dr. Stephen H. Hanauer's "nugget file" which had not been previously disclosed to the UCS.

Stephen M. Irving,
Public Law Utilities
Group
(79-217)

In response to a request for documents on or after March 28, 1979 relating to the delay of the Waterford Steam Electric Station, Unit 2, made available one document.

David Reager,
Widoff, Reager,
Selkowitz, & Adler
(79-219)

In response to a request for certain NRC documents relating to anchor bolt problems and alleged tritium leakage at the Hatch I and II plants in Baxley, Georgia, informed the requester this information is available at the PDR.

797 195

Granted, Cont'd

Milton T. Shockley,
NBC, Inc.
(79-220)

In response to a request for NRC travel expenditures for FY 1978; the Commission's FY 1978 budgetary allotment to sponsor and attend conferences; travel expenditures by ACRS, ASLBP, ASLAP, EDO, and the Directors for IP, I&E, NMSS, and NRR, made available this information in the PDR.

Wayne A. Coffman,
(79-221)

Made available information regarding the number, purpose, and cost of consultants hired by the NRC.

Tom Thompson,
KCET Television
(79-230)

In response to a request for Notice of Violation letters that include items of non-compliance for California companies or installations that handle radioactive materials, Region V provided this information to the requester.

Louis Snyder,
Natural Resources
Defense Council, Inc.
(79-232)

In response to a request for a record identifying the title, author, date, and classification of documents referred to other agencies in response to a previous FOIA request, informed her of this information.

Craig K. Swick,
Environmental Policy
Center
(79-234)

In response to a request for all Nuclear Material Transaction Reports and all statements of tritium inventory filed by American Atomic Corporation, Tucson, Arizona between January 1975 and the present, made available 21 documents.

Betty Johnson,
League of Women Voters
of Rockford
(79-245)

In response to a request for all records concerning the consequences of a melt-down of nuclear plants on rivers and on the effects of contamination of river sediments with radionuclides released from nuclear power plants, made available eight documents.

John E. Bonine,
University of Oregon
(79-247)

In response to a request for records relating to NRC's administration of the Freedom of Information Act, made available eight documents.

Thomas B. Cochran,
Natural Resources
Defense Council, Inc.
(79-258)

In response to a request for copies of the SAI Study on Safeguards of High Level Waste Repositories and all subsequent information prepared or utilized by the NRC staff concerning this study and its findings, informed the requester the SAI is not expected to have a final draft report available until May, 1980, and a final report until June 30, 1980.

797 196

Granted, Cont'd

Janet Pisaneschi,
Americans for Nuclear
Energy
(79-261)

In response to a request for a listing of all GS-15 and above employees and appointees, and their job titles, made available a computer printout with this information.

Richard J. Conway,
Patton, Boggs,
and Blow
(79-265)

Informed the requester the NRC has never been involved in any "V-Loan" guarantees, and has no records concerning them.

Denied

(NRC employee)
(79-235)

In response to a request for copies of documents used in selecting a candidate for Vacancy Announcement 79-317, made available nine documents. Denied 18 documents in their entirety and portions of three documents, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

John Raymond,
Mury Glass
Common Ground
(79-272)

In response to a request for copies of all documents indexed or maintained under the name of Karen Silkwood, made available 93 documents which had been previously disclosed. Denied portions of five documents, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Michael Hungerford,
Syracuse University
College of Law
(79-A-8-79-47)

THE COMMISSION DENIED ON APPEAL a memo dated January 10, 1975 to Howard Shapar from James L. Kelley.

797 197

DIVISION OF CONTRACTS

Week Ending July 27, 1979

PROPOSALS UNDER EVALUATION

1. RFP RS-RES-79-183
Title - Limiting Conditions for Operations
Description - Develop a methodology to calculate allowable ratios of LCO's based on probabilistic approaches. To apply the methodology, system logic models such as fault trees will be constructed for specific safety systems in nuclear power plants and the allowable values for the LCO's will be calculated using available reliability data.
Period of Performance - Anticipated to be two years
Sponsor - Office of Nuclear Regulatory Research
Status - Solicitation closed June 29, 1979. Proposals under evaluation.

2. RFP RS-RES-79-193
Title - Steam Generator Tube Rupture Iodine Transport Mechanisms
Description - Under Task I - the Contractor shall experimentally measure the amount of atomization and characterize the drop size distribution of superheated water flashing through a crack-like orifice into a saturated steam environment.

Under Task II, the Contractor shall develop (or modify an existing) a computer program to model important iodine transport and removal mechanisms under steam generator tube rupture accident conditions.
Period of Performance - One Year
Sponsor - Office of Nuclear Regulatory Research
Status - Competitive range established. Negotiations scheduled for the week of July 30, 1979.

3. RFP RS-RES-79-200
Title - RES/PAS Fuel Cycle Review
Description - Technical assistance for peer review to critique the published products from the project, "Risk Assessment Methodology Development for Waste Isolation in Geologic Media" an ongoing study by Sandia Laboratories.
Period of Performance - Three years
Sponsor - Office of Nuclear Regulatory Research
Status - Solicitation to close August 8, 1979.

4. RFP RS-RES-79-203
Title - NRC Monitor for Heissdampfreaktor Seismic Tests
Description - Assistance in monitoring earthquake investigations at the superheated steam reactor (Heissdampfreaktor) at the Karlsruhe Nuclear Research Center in Germany. The Contractor shall assist in formulation of pretest predictions and observation of intermediate level explosive, shaker and snap back tests.
Period of Performance - Two years
Sponsor - Office of Nuclear Regulatory Research
Status - Solicitation closed July 16, 1979. Proposals under evaluation.

797 198

ENCLOSURE A

5. RFP RS-NRR-79-118
 Title - Engineering Support for Operating Reactor Licensing Actions
 Description - The NRC is seeking assistance with its review and evaluation of pending operating reactor licensing actions. Assistance is needed to: (1) review licensee submittal, (2) perform comparative evaluations relative to established regulatory guides, (3) provide a report documenting conclusions reached, and (4) provide a definition of additional information needed to complete the action.
 Period of Performance - Three to five years
 Sponsor - Office of Nuclear Reactor Regulation
 Status - Proposals forwarded to Source Evaluation Panel on July 16, 1979.
6. RFP RS-ADM-79-387
 Title - Career Counseling
 Description - A four-hour course in four individual sessions for approximately 100 NRC employees.
 Period of Performance - One year
 Sponsor - Office of Administration
 Status - Evaluation report approved by Contracting Officer on July 20, 1979. Letters to unsuccessful offerors were issued July 24, 1979. Letters to offerors in competitive range requesting clarifications were issued July 24, 1979.
7. RFP RS-ADM-79-395
 Title - On-Call Maintenance for NRC Computer Peripheral Equipment
 Description - Provide on-call maintenance services for Government-owned computer peripheral equipment located in NRC's Bethesda, Rockville, Silver Spring, and Washington offices.
 Period of Performance - One year with two one-year options to renew.
 Sponsor - Office of Administration
 Status - Proposals received July 18, 1979 and forwarded to the Source Evaluation Board for review and evaluation.

CONTRACT AWARDS

- RFP RS-NMS-79-029
 Title - Synthesis for Physical Security and Material Control and Accounting Assessment Results
 Description - Develop methods for combining observations of MC&A Assessment Team members, develop a method for synthesizing the results of the Physical Security and MC&A assessments, and develop a draft handbook that explains the methodology for deriving the measures of effectiveness and synthesizing them into the final statement of adequacy.
 Period of Performance - Ten months
 Sponsor - Office of Nuclear Material Safety and Safeguards
 Status - A Firm-Fixed-Price contract in the amount of \$71,920.00 was awarded to Science Applications, Inc., La Jolla, CA.

797 199

ENCLOSURE A

CONTRACTS CLOSED OUT

(All administrative action completed and final payment made)

<u>Contract No.</u>	<u>Contractor</u>	<u>Close Out Date</u>
AT(49-24)-0268	R. W. Beck	05/01/79
AT(49-24)-0096	Charles River Assoc.	07/11/79
AT(49-24)-0130	Rand Corporation	07/11/79

797 200

ENCLOSURE A

OFFICE OF NUCLEAR REACTOR REGULATION

WEEKLY ITEMS OF INTEREST

(Week Ending July 27, 1979)

Pilgrim Unit No. 1

The switchyard at Pilgrim station was hit by lightning at 1:00 a.m. today (Friday, 7/27/79) resulting in loss of offsite power to the station. As a consequence, the reactor scrammed and the plant was isolated by MSIV closure. The diesels started immediately and SRV's opened automatically. HPCI started manually in test mode. RCIC was started manually and used to control water level. Minimum water level reached during the transient was about 8 feet above top of active core, or about 1 1/2 feet above ECCS automatic start level. Offsite power was restored and diesels were secured at about 3:00 a.m.

With SRV's relieving to the torus, pressure went down to about 600 pounds before startup was attempted. During the blowdown, no particular effort was made to control pressure, but only to maintain water level in the vessel.

On startup attempt, "D" SRV cycled between open and close, and "A" SRV showed high tail pipe temperature, indicating incomplete valve closure. The plant was then brought to cold shutdown to repair or replace the topworks of the SRV's. They expect to startup tomorrow.

A PN is being prepared for issuance this morning. Boston Edison is issuing a press release.

GE

On July 26, 1979, GE advised us of a Part 21 notification relative to the environmental qualification of teflon coated motor leads to Limitorque operators. GE is now advising utilities (owners of BWR-2, BWR-3 and some BWR-4 type plants with Pierless motors) that the teflon coated electrical leads in the recirculation loop discharge isolation valve Limitorque operator motors be replaced. GE stated that based on its calculations, there was sufficient times available to allow scheduled refueling replacement without a concern for safety. GE is now notifying plants of required corrective actions and schedules.

797 201

ENCLOSURE B

Oconee Nuclear Station

On July 18, 1979 at 7:55 p.m., lightning struck the Greenville, S. C. substation resulting in isolation of the Greenville to Oconee 280 kV transmission line from the Oconee switchyard. Prior to isolation there was a voltage swing on the 69 kV bus which feeds the Unit 2 reactor coolant pumps, causing pump trip on undervoltage. The Unit 2 generator, turbine and reactor subsequently tripped. The Unit 2 trip did not result in any upward pressure spikes and posed no challenge to the PORV. The pressurizer level dropped to 35 inches and returned to normal. The Unit 1 "B" main feedwater pump suction line simultaneously blew a gasket. Water from the leak flashed to steam in the turbine building basement. The steam shorted the control panel for the Unit 1 hot well and booster pumps in the feedwater system. Unit 2 is being restored to power operation. As soon as the Unit 1 blown gasket is replaced that unit will be brought up in power. The operator stationed in the basement per NRC requirements was uninjured. This information is preliminary.

Fort Calhoun Unit 1

Omaha Public Power District (OPPD) has applied to the NRC for authorization to increase the power level of Fort Calhoun Unit 1 from 1429 Mwt to 1500 Mwt. OPPD proposes that this increase in power be authorized with Cycle 6 operations to begin in March 1980. Cycle 6 will also involve the use of Exxon fuel instead of the CE fuel which is presently used.

Oconee Nuclear Station, Unit No. 1

At 0300 on July 24, 1979, at 25% power, the unit was shut-down due to a 0.4 gpm steam generator tube leak. The Technical Specifications require that a reactor shut down shall be initiated within four hours of discovery of a tube leak equal to or in excess of 0.3 gpm and in a cold condition within the next 36 hours.

Vermont Yankee

At 11:15 am July 25, 1979 Vermont Yankee called Region I I&E to inform them that pull-tests on anchor bolts in response to Bulletin 79-02 had resulted in 15% of the bolts pulling completely loose for the 171 tested to date (171 + 3% of total). Vermont Yankee does not consider these test results cause concern about continued safe operation of VY. Region I is preparing a PN. There have been no news releases. Arrangements are in progress to bring appropriate HQ IE and Licensing personnel together to discuss these matters further with VY.

New Application for Early Site Review (ESR)

On July 25, 1979 the representatives of Middle South Services, Inc. discussed with the staff their upcoming application for an ESR. The proposed site is for a two unit nuclear plant in southern Louisiana. Units to be on line in 1990-1995 time frame. ESR application is expected in May 1980.

Black Fox 1 & 2

A meeting was held on July 19, 1979 with Public Service Company of Oklahoma (PSO) regarding the staff's review of PSO's report to NRC responding to the TMI event. PSO's report is the first utility report submitted regarding a proposed response to the TMI event.

Fort St. Vrain

Fort St. Vrain is at 30% power, generating 50 MWe on to the grid. Since completion of the first refueling, some problems were encountered in the secondary side of the steam system. None were encountered in the nuclear side. PSCo feels that the power ascension schedule has only been delayed by two days, so that 70% power is expected to be achieved by August 2, 1979. Therefore, the schedule as presented in the July 19, 1979 highlights will still be maintained.

797 203

OFFICE OF STANDARDS DEVELOPMENT

IMPORTANT EVENTS FOR THE WEEK ENDING JULY 27, 1979

1. Meeting of the Fredrickson Committee on Biological Effects of Radiation:
On July 24, 1979 the Interagency Committee on Biological Effects of Radiation, chaired by Dr. Donald Fredrickson, NIH, met in Bethesda. F. Swanberg, RES, and R. Purple and M. Parsont, SD attended.

Dr. A. Upton, NCI, presented a discussion of the current and proposed followup studies of the offsite TMI population. He presented also the report of the Subcommittee which he chairs (deliberations of which have been reported in previous weekly events). The Committee accepted the Subcommittee report with minor corrections.

Dr. Michael Parsont, SD, presented information on NRC licensee data reporting requirements and some TMI dose data. In addition he discussed the NRC/EPA Feasibility Planning Study contract as it pertains to Three Mile Island workers.

Dr. Upton was asked to prepare an additional report on the TMI worker population radiation exposure and the records thereof. This report is to include all of the information provided by NRC to NIOSH on TMI data records as requested by Secretary Califano.

DOE and DOD representatives gave an overview of their programs to synthesize dose data resulting from fallout weapons testing. A CDC representative spoke on their efforts to get affected states (in Western U.S.) to set up a regional council to deal with health effects studies related to weapons testing. The Committee agreed that this was a good idea.

A draft protocol was circulated that would establish the Committee's procedures for reviewing all Federally-funded epidemiologic studies. All Committee members were asked to furnish comments.

A draft letter, from the Secretary of HEW to appropriate House Oversight Committees, reporting on the status of HEW's efforts to coordinate Federal research on the biological effects of ionizing radiation was also circulated. Committee members were asked to comment on this draft within a week.

[M. Parsont - 443-5854]

2. On July 18, 1979, the EDO signed a Federal Register notice of denial of petition for rulemaking, PRM 7-1, that will be published in the near future. The petition requested the Commission to form a review board made up of responsible members of industry to review all pertinent regulations and to clarify the positions of the industry prior to issuance of all new regulations. By letter dated July 18, the EDO informed Walter P. Peeples, Jr., the petitioner, that PRM 7-1 was denied on the grounds that the NRC policy and procedures for direct distribution of proposed and effective amendments of NRC regulations to

licensees and other interested persons: (1) Fully satisfy the objectives in the petition; and (2) Assure that affected licensees and applicants are aware of all proposed and effective regulations of a substantive nature, without the need to form a review board as requested in the petition.

[J. Henry - 443-5946]

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending July 27, 1979

Cyprus Mines Corporation - Proposed Hansen Project

On July 23, Cyprus Mines Corporation submitted to the Uranium Recovery Licensing Branch an application to process uranium mill tailings (byproduct material as defined in the Uranium Mill Tailings Radiation Control Act (UMTRCA) of 1978) that will be produced at the proposed Hansen Project. The project will be a conventional, acid leach mill with a 4,500 ton per day capacity in Fremont County, Colorado. Although Colorado is an Agreement State, UMTRCA requires that a byproduct license be obtained from NRC to possess tailings.

Meeting with DOE and States on Inactive Mill Site Remedial Action

A member of the Uranium Recovery Licensing Branch participated in a DOE sponsored workshop in Denver, Colorado, on July 20 on the DOE remedial action program at 22 inactive mill tailings sites. The program authorized by the Uranium Mill Tailings Radiation Control Act (UMTRCA) of 1978 calls for States to participate in cleanup of sites and contribute a portion of cleanup costs. NRC has an oversight role in these actions.

Receipt of Application from Kerr-McGee Nuclear Corporation

The Uranium Recovery Licensing Branch received an application and an environmental report from Kerr-McGee Nuclear Corporation for a source material license to recover uranium utilizing ion exchange techniques on minewater from multiple sites within the South Powder River Basin, Wyoming. The minewater is currently pumped from the mine workings, treated, and released to the local drainage pursuant to NPDES permits without recovery of uranium values.

Incident Response Planning

A draft of the NMSS Emergency Preparedness Action Plan has been developed and distributed to the staff for comment. The plan is now being integrated with the earlier report of the FC Incident Response Planning Group for incorporation into the Task Force's report to the Commissioners, scheduled for August 3, 1979.

Upgrade Rule Guidance Compendium

First drafts of all the effectiveness test questionnaires not included in the published Upgrade Rule Guidance Compendium have been completed. Drafts of all the information request sheets of the Standard Format and Content Guide have also been completed. These drafts will be distributed for comments.

Value/Impact Analysis - MC&A Upgrade Rule

The remaining areas for which value/impact analyses will be performed to support the MC&A Upgrade Rule have been identified, scoped, and forwarded to Battelle-Pacific Northwest Laboratory for technical task analysis initiation.

Spent Fuel Protection In Transit

We are continuing to respond to a series of letters prompted by the new rule for the protection of spent fuel shipments in transit and related activities. Among the inquiries we are responding to this week is one from Senator Helms of North Carolina and one from Delegate Grayson of the Virginia House of Delegates. We are also responding to remarks made by Mr. Sheldon Mayer of Tri-State before the U.S. Senate Commerce Committee.

Spent Fuel Route Surveys

During the period between July 24-29, Safeguards Division teams surveyed the route proposed by Duke Power Company for transporting spent fuel from Oconee, S. C. to McGuire, N.C. and the route proposed by the University of Missouri from Columbia, Mo., to the Savannah River plant.

Workshop on Behavioral Science and Physical Security

NMSS representatives attended the Fourth Behavioral Science Workshop sponsored by the Defense Nuclear Agency on July 25 and 26, 1979. The program included a presentation by the Lawrence Livermore Labs of an NRC sponsored study entitled, "Use of Analogous Incidents in Characterized Safeguards Threats", and an open meeting of the interagency Physical Security Evaluation Advisory Group to address behavioral science research needs.

Strike at Nuclear Fuel Services, Erwin, Tennessee

The strike at the Nuclear Fuel Services facility located in Erwin, Tennessee has been resolved. Workers are scheduled to go back to work on August 5, 1979.

797 207

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending July 27, 1979

1. Preliminary Notifications relating to the following actions were dispatched during the past week:
 - a. PNO-79-270 and -270A Rancho Seco - Results of Analysis and Testing on Class 1 Piping Supports - As a result of analysis and testing of piping supports as required by IE Bulletin 79-02, the licensee discovered piping supports with safety factors lower than required. The plant was taken to hot shutdown and pipe supports were upgraded. (Closed)
 - b. PNO-79-271 Indian Point Unit 2 - Contamination of Workers - Six employees were externally contaminated. The employees were decontaminated and given whole body counts. (Closed)
 - c. PNO-79-272 Marble Hill Units 1 & 2 - Recurring Concrete Placement Deficiencies - On July 20, 1979, the Director of Region III (Chicago) and members of his staff met with members of Public Service of Indiana corporate management to discuss the concrete placement activities at the Marble Hill nuclear site. The licensee has now stopped further Class I concrete work pending evaluation of the contractor's corrective actions. (Closed)
 - d. PNO-79-273 Hatch Units 1 & 2; Farley Units 1 & 2 - Southern Company Task Force Recommendations - A task force formed by the Southern Company issued its report containing 20 recommendations designed to improve the safety of nuclear power plants operated by the Georgia Power Co. and the Alabama Power Co. (Closed)
 - e. PNO-79-274 Transportation Incident Involving Medical Isotopes - A delivery truck containing medical isotopes collided with an oncoming vehicle, injuring both drivers. Although contamination was initially suspected, it was subsequently determined that all packages were accounted for and were free of contamination. (Closed)
 - f. PNO-79-275 Mallinckrodt, Inc., St. Louis, MO - Lost Shipment of Licensed Byproduct Material - A package of radioactive material being shipped from St. Louis to Charlotte, NC did not reach its destination. The package contained 63 millicuries of iodine 131, 100 millicuries of molybdenum 99, and less than 2 millicuries of iodine 125. The licensee has put a tracer on the shipment. DOT and FAA are assisting in the search. (Closed)
 - g. PNO-79-276 Rancho Seco - Washington Post Inquiry Regarding IE Investigation of Rancho Seco Design Error Allegations - A reporter for the Washington Post informed IE that an NRC employee alleged that the NRC investigation relating to design errors at Rancho Seco was a whitewash. The reporter was given rebuttal information. (Closed)
 - h. PNO-79-277 Oconee Unit 1 - Steam Generator Tube Leak - The reactor was shut down on July 24, 1979 due to an apparent steam generator tube leak in excess of Technical Specifications limits. The leaking tubes will be plugged prior to startup. (Closed)

797 208

ENCLOSURE E

- i. PNO-79-278 Washington Nuclear Project No. 1 - Construction Fatality - An ironworker installing reinforcing steel in the steam generator wall fell 37 feet. The worker was taken to a local hospital where he died from the injuries. (Closed)
- j. PNO-79-279 Mallinckrodt, Inc., St. Louis, MO - Lost Shipment of Licensed Byproduct Material - A package of radioactive material being shipped to Waterville, Maine did not reach its destination. The package contained 500 millicuries of molybdenum 99. The consignee has put a tracer on the shipment. DOT and FAA are assisting in the search. (Closed)
- k. PNO-79-280 Crystal River Unit 3 - Failure of Emergency Diesel Generator During Surveillance Testing - During surveillance testing of both diesel generators, a fire occurred in the exhaust manifold of one diesel generator. The fire was self-extinguished. The licensee subsequently determined that the fire was caused by an excessive fuel rich mixture on engine startup and aided by excessive oil and carbon accumulation in the manifold. Corrective measures were taken. (Closed)
- l. PNO-79-281 Zion Unit 2 - Reactor Trip Due to the Loss of a Feedwater Pump Caused by Personnel Error - A reactor trip from 90% power occurred due to the loss of one of the two operating feedwater pumps caused by personnel error. An engineer inadvertently backed down the hand speed changer on an operating feedwater pump instead of a feedwater pump that was out of service thereby causing a reduction of feedwater flow and subsequent plant trip. (Closed)
- m. PNO-79-282 Saint Peters General Hospital, New Brunswick, NJ - Film Badge Exposure of 10 Rems - A film badge assigned to an x-ray technician showed a dose of 10 rems for the month of June. Film patterns indicate the badge was exposed in a stationary position or during a single exposure of short duration. The individual's work assignments did not include handling radioactive materials. The licensee is conducting an investigation to determine if the dose was received by the individual. (Closed)
- n. PNO-79-283 Marble Hill Units 1 & 2 - Construction Deficiencies Noted by ASME Inspectors - An inspection team of the National Board of Boiler and Pressure Vessel Inspectors recommended that the ASME certification issued to Public Service of Indiana be suspended pending correction of a number of code violations. Region III (Chicago) has dispatched an investigation team to determine the extent of code violations, the relationship of these to the QA/QC program, and whether that program is functioning properly. (Closed)
- o. PNO-79-284 Waterford Unit 3 - Plant Evacuation - Construction forces at Waterford were evacuated due to a chlorine gas release by a chemical plant nearby. There were no injuries to site personnel. (Closed)
- p. PNO-79-285 Schlumberger Technology Corp., Houston, Texas - Lost Sealed Sources - Five sealed sources were lost overboard in the Gulf of Mexico about six miles from Grand Island, Louisiana. The sources were in shielded containers within a tool box which was loaded on a pallet on a boat. The boat was in transit from an offshore platform to shore when the pallet was lost overboard during a tropical storm. (Closed)

797 209

- q. PNS-79-77 Nuclear Fuel Services, Inc., Erwin, TN - Operators' Strike - Management and the union reached agreement on July 22, 1979 on settling the strike. Union employees are expected to return to work on or about August 6, 1979. Supervisory personnel continue limited operations. (Closed)
- r. PNS-79-78 River Bend Unit 1 - Bomb Threat - A bomb threat was received by a guard at the main gate. Plant management was notified and a search of principal buildings was conducted. No bomb was found. (Closed)

2. The following IE Bulletins were issued:

- a. IE Bulletin 79-16, "Vital Access Area Controls," was issued on July 26, 1979 to all holders of and applicants for reactor operating licenses.
- b. IE Bulletin 79-17, "Pipe Cracks in Stagnant Borated Water Systems at PWR Plants," was issued on July 26, 1979 to all pressurized water reactors with an operating license.
- c. IE Bulletin 79-05C and 79-06C, "Nuclear Incident at Three Mile Island - Supplement," was issued on July 26, 1979 to all pressurized water reactor facilities with an operating license.

797 210

ENCLOSURE E

OFFICE OF THE EXECUTIVE LEGAL DIRECTOR

ITEMS OF INTEREST

FOR THE WEEK ENDING JULY 27, 1979

Palisades Nuclear Plant

On July 23, the Licensing Board issued a notice of hearing in Palisades. They found standing by Intervenors and admitted three contentions in this first steam generator replacement proceeding. The admitted contentions are, in summary: (1) total man-rem exposure will be 7342 man-rem and there must be an EIS to consider somatic and genetic effects of such exposure; (2) the occupational exposure will not be kept as low as possible; and (3) the impacts of construction are not adequately considered.

797 211

ENCLOSURE G

ITEMS OF INTEREST
OFFICE OF INTERNATIONAL PROGRAMS
WEEK ENDING JULY 27, 1979

INTERNATIONAL COOPERATION

Foreign Visits

On Tuesday, Mr. Bruce P. H. Chu, Vice President of Taipower and three members of his staff met with J. R. Shea, J. D. Lafleur, and M. Peterson of IP to discuss U.S. export policy and future nuclear programs in Taiwan.

On Tuesday, a ten-member delegation of South Korea newspaper, radio, and television journalists met with staff members of IP, OLB/NRR, and PA to discuss (a) NRC's role in domestic and export licensing, and (b) the probable implications of TMI-2 on such factors as safety, operator training upgrading, and accident response.

On Tuesday, Messrs. G. Roukens and G. A. De Vrey of the Dutch Nuclear Office of Labor Inspectorate, Ministry of Social Affairs met with staff members of DPM, DSS, and DSE to discuss quality assurance, operator licensing, reactor systems safety, and accident analysis.

On Thursday, Mr. Bo Rydnert of Lutab (a Swedish Consulting Group) and Consultant to the Swedish Government Committee on Nuclear Reactor Safety met with J. J. Holman of OLB/NRR and W. S. Farmer of RSR/NRR to discuss the TMI-2 control room layout and operator actions in relation to human engineering (man-machine interaction) aspects of the TMI-2 incident. Mr. Rydnert also met with C. B. Oh of PAB/RES to discuss Methods of Risk Analysis from a psychological point of view.

* Foreign Reports

Deleted from PDR copy.

OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING JULY 27, 1979

State Agreements

The Assistant Director for State Agreements Program and a representative of Congressional Affairs briefed Senator Packwood's staff (Oregon) and representatives of the Senate Committee on Commerce, Science and Transportation on July 26 regarding the meeting to be held with Washington officials on July 27 and the forthcoming shipments of TMI waste to the Hanford low-level waste burial site.

Nevada Governor List reopened the Beatty low-level waste burial site on Tuesday, July 24. In reopening the site, he required by executive order that: (a) waste generators provide the State with a Compliance Certificate warranting that the shipment conforms to both Federal and State requirements for shipment, transportation, and disposal, and (b) waste brokers who ship or transport commercial low-level radioactive waste into the State for disposal certify that they have conducted an external visual and dose rate inspection of packages and that no items of non-compliance were found, and (c) waste carriers certify to the State that the vehicle is properly placarded and secured and that all shipping papers as required by U.S. DOT have been properly executed.

Program Development

Shelly Schwartz and Marie Janinek participated in the quarterly meeting of the Executive Board of the Conference of Radiation Control Program Directors in Louisville, Ky., the site of the 1980 annual meeting. In addition to the regular business of the Conference, facilities at the Galt House were lined up for the 12th annual meeting, to be held May 18-22, 1980, and preliminary work was begun on setting up a program.

Andy Robart, Region V SLO, and Frank Young met with Oregon Department of Health and Department of Energy officials on Friday, July 20 regarding a proposed general Memorandum of Understanding and a protective subagreement for proprietary information. The Department of Health wanted assurances that the proposed MOU would not affect the existing 274b agreement. We expect the MOU and subagreement to move forward promptly now.

OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS

Items of Interest

Week Ending - July 27, 1979

Operational Data Analysis

Assisted EDO in responding to Commission tasking on establishing a new office to analyze operating data from nuclear facilities.

Coal and Nuclear Power Costs

With assistance from NRR, responded to Commissioner Ahearne's request for information on generating costs, including investment, O&M expenses and decommissioning.

NASAP/INFCE

Circulating for comment draft of the first semi-annual report to Congress on the status of domestic and international evaluations of alternative nuclear fuel cycle systems. Report due to Congress by August 15, 1979.

OIA Report on NRC's Management of ADP Systems

Reviewed and commented to A/EDO on OIA report that recommended centralizing all ADP support in NRC.

797 214

Office of the Controller

Items of Interest

Week Ending July 27, 1979

Budget Formulation

The FY 1981-1983 budget and the FY 1980 supplemental were transmitted to the Commission for their review. The Commission is scheduled to have a final mark on these budgets on August 8.

FY 1980 Budget

The House and Senate Appropriations Conference Committees met and approved an appropriation for the NRC totalling \$363,340,000 and 3,034 permanent positions. This Appropriations Act is expected to be signed by the President in mid-August.

FY 1979 Reprogramming

Approval has been received from the House Appropriations Committee, Subcommittee on Energy and Water Development. We expect approvals from the remaining four Committees next week.

797 . 215

Enclosure K

CALENDAR OF SIGNIFICANT EVENTS

August 6 & 7

Case forecast visit to Limerick Nuclear Station
on August 6 and 7

CALENDAR OF SPEAKING ENGAGEMENTS

AUGUST

August 6-10 Lecture the IE Inspectors on Concrete and Other Structural Defects Experienced in Nuclear Power Plant Construction - L. L. Beratan

SEPTEMBER

September 12-13 Nuclear Records Management Association Symposium, San Francisco, CA - Two RV Staff Personnel to Participate on a NRC Panel for two Question/Answer Sessions

September 16 ANS Topical Conference on Decontamination and Decommissioning of Nuclear Facilities, Sun Valley, ID - Residual Activity Limits for Unrestricted Release from Decommissioning - E. Conti

797 217

STATUS OF NUCLEAR POWER PLANTS — JUNE 30, 1979

<u>Number Of Units</u>	<u>Rated Capacity (MWe)</u>
* 70 LICENSED TO OPERATE	51,000
** 92 CONSTRUCTION PERMIT GRANTED	101,000
37 Under Operating License Review.....	40,000
55 Operating License Not Yet Applied For	61,000
27 UNDER CONSTRUCTION PERMIT REVIEW	31,000
** 4 Site Work Authorized, Safety Review in Process.....	4,000
23 Other Units Under CP Review.....	27,000
4 ORDERED.....	5,000
2 PUBLICLY ANNOUNCED.....	2,000
195 TOTAL	190,000

*To date there have been 467 reactor years of operation. Not included are two operable DOE-owned reactors with a combined capacity of 940 MWe.

**Total of units authorized construction (Construction Permit Granted plus Site Work Authorized): 96 units, 105,000 MWe.