

January 20, 1988

For: The Commissioners  
From: T. A. Rehm, Assistant for Operations, Office of the EDO  
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING JANUARY 15, 1988

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 and Resources Management	A
Nuclear Reactor Regulation	B
Nuclear Material Safety and Safeguards	C
Nuclear Regulatory Research	D
Analysis and Evaluation of Operational Data (CRGR Activities)	E
Governmental & Public Affairs	F*
General Counsel	G*
Personnel	H
Small & Disadvantaged Business Utilization & Civil Rights	I*
Special Projects	J
Enforcement	K
Consolidation	L*
Regional Offices	M
Executive Director for Operations	N*
Items Addressed by the Commission	O
Meeting Notices	P
Proprietary or Other Sensitive Information (Not for external distribution)	Q

\*No input this week.



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

Contact:  
 T. A. Rehm, EDO  
 492-7781

8801220002 880120  
 PDR COMMS NRCC  
 WEEKLYINFOREPT PDR

## HIGHLIGHTS OF WEEKLY INFORMATION REPORT

WEEK ENDING JANUARY 15, 1988

### Indian Point 2

Indian Point 2 is in the process of starting up after the recent refueling outage. During the heat up of the plant and before the primary system reached 350°F, it was discovered that steam generator #23 had boiled dry. The level in the steam generator began decreasing on January 1, 1988, at 11:30 p.m. and had boiled dry by 8:00 a.m. on January 3, 1988 as determined by a review of the logs. It was January 4 before the plant realized that the steam generator was dry and another day before the steam generator was refilled. It appears that the operating staff was continuously aware of the decreasing water level. The NRC has an Augmented Inspection Team, including the Project Manager, arriving at the site on January 8.

Following the Steam Generator Dry Out Event and as documented in a Confirmatory Action Letter issued on January 7, 1988, Consolidated Edison agreed not to take the plant critical until authorized by the Regional Administrator. The Augmented Inspection Team (AIT) dispatched to Indian Point 2 on January 7 to investigate the event held an exit meeting on January 12. Based upon the results of the inspection, the licensee was informed that several action items must be completed prior to the Regional Administrator authorizing restart. First, Consolidated Edison must submit a letter to the NRC discussing short- and long-term corrective actions. Second, the utility must meet with the NRC staff to discuss the action plan. The utility must demonstrate the rationale used in determining its corrective actions. It must demonstrate the effectiveness of short-term actions and justify why long-term actions should not be completed prior to restart.

### NRC/DOE Physical Security Comparability - Night Firing Qualifications

NMSS staff has confirmed that as of January 10, 1988, all licensees have completed night firing qualifications for their security guards. License conditions to implement the three near term NRC/DOE comparability measures (stationing armed guards at MAA portals, night firing qualifications for guards, and conducting 100% search of personnel and packages entering the protected area) were issued on August 6, 1987, to the four Category I fuel facility licensees (NFS, B&W, UNC, and GA). The stationing of armed guards at MAA portals was previously fully implemented at all four facilities on September 9, 1987. The implementation of the 100% search requirement for all personnel and packages is to be accomplished on a phased implementation schedule (25% search by November 9, 1987, 50% search by March 9, 1988 and 100% search by August 9, 1988). GA and NFS have already implemented the 100% search while B&W and UNC are on schedule for the phased implementation.

### Secretarial Job Fair

The Office of Personnel sponsored a secretarial/clerical recruitment Job Fair on Saturday, January 16. Approximately 50 applicants were interviewed by the six-member special OP recruitment team, supplemented by a representative of NMSS. The overall quality of the applicants was high, and the majority of those who successfully passed the typing test will be referred for possible selection throughout the agency. This was the most successful Job Fair the agency has sponsored in some time; reasons for the high attendance appeared to be the attraction of the White Flint location and the relatively high job security of Federal employment for secretarial and clerical personnel. OP will attend another professionally-sponsored clerical job fair on February 3 at the Sheraton Potomac.

OFFICE OF ADMINISTRATION AND RESOURCES MANAGEMENT

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS - 1988

For 5-Day Period of January 8, 1988 - January 14, 1988

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Received This Week	17	4
Completed This Week	19	4
Carryovers From 1987	157	33
Received In 1988	29	5
Granted In 1988	21	2
Denied In 1988	7	2
Pending	158	34

ACTIONS THIS WEEK

Received

F. Biparva (88-13)	Requests a copy of the FOIA request and appeal log for the years 1980 to 1987.
(An individual requesting information) (88-14)	Requests a copy of OI report 1-85-019 and all exhibits regarding the Poach Bottom nuclear power plant.
Bruce Maxwell, WTOL-TV Toledo (88-15)	Requests records pertaining to any threats against any nuclear facilities in Ohio and Michigan considered by the Intelligence Assessment Team and Information Assessment Team from the date the team was first created to the present.
Bruce Maxwell, WTOL-TV Toledo (88-16)	Requests records concerning meetings of the Information Assessment Team and/or Intelligence Assessment Team for 1986 and 1987.
Lynn Connor, Doc-Search Associates (88-17)	Requests copies of Reactor Technology Memorandum (RTM) #4 and other RTM's.
Linda Bauman, Government Accountability Project (88-18)	Requests records related to the December 31, 1987 NRC Notice of Violation regarding the Comanche Peak nuclear power plant.

CONTACT: Donnie H. Grimsley  
492-7211

Received, Cont'd

Steven Sholly, MHB Technical Associates (88-19)	Requests records concerning a seismic design audit of the Diablo Canyon nuclear power plant by NRC from April 28 through May 2, 1975.
Jack Fensterstock, Phoenix Associates, Inc. (88-20)	Requests records constituting the contract between NRC and EI International, Inc., under contract No. NRC-26- 87-420, i.e., contract proposal, proposal modifications and clarifications, best and final offer, and any other records submitted to NRC or to the firm as part of the procurement and contract award process.
Margaret Shuttleworth, NTEU (88-21)	Requests six categories of staffing plans for the NRC.
(NRC employee) (88-22)	Requests records compiled by NRC during the course of the security clearance investigation on him.
Herbert Malamud, CIS-US, Inc. (88-23)	Requests NRC registration and safety evaluations and other records for Atomic Energy of Canada's gamma cell 1000 irradiator and J. L. Shepherd and Associates' 143 series irradiators.
Patty Day, NUS Corporation (88-24)	Requests a copy of the November 6, 1987 staff requirements memo which provides Commission guidance on the implementation plan for the safety goal policy statement.
Kenneth Boley, Critical Mass (88-25)	Requests two categories of records regarding violations or possible violations by licensed RCs and SROs of fitness for duty guidelines and steps taken by NRC or its licensees as mentioned by Mr. J. Partlow in the December , 1987 briefing.
(NRC employee) (88-26)	Requests a copy of the OIA report on his allegation.
Gregory Bergman, Rockingham County Newspapers, Inc. (88-27)	Requests access to NRC files or previously unpublished reports on construction flaws in Seabrook's containment building.
Gregory Bergman, Rockingham County Newspapers, Inc. (88-28)	Requests access to NRC records related to redacted information in the utility formulated Massachusetts evacuation plan for the Seabrook nuclear power plant.
Gregory Bergman, Rockingham County Newspapers, Inc. (88-29)	Requests access to NRC records on costs associated with decommissioning of the Shippingport plant in Pennsylvania.

Received, Cont'd

Linda Bauman,  
Government  
Accountability  
Project  
(88-A-2-87-762) APPEAL TO THE EDO for the release of four records denied in their entirety relating to a request for records relevant to and/or generated in connection with Inspection Report 50-285/87-08 on the Fort Calhoun nuclear power plant.

Linda Bauman,  
Government  
Accountability  
Project  
(88-A-3-87-655) APPEAL TO THE EDO for the release of two records denied in their entirety relating to a request for records relevant to and/or generated in connection with the GAO report regarding the NRC lacking guidelines on shutting down nuclear power plants for safety violations.

Linda Bauman,  
Government  
Accountability  
Project  
(88-A-4-84-21) APPEAL TO THE EDO for the release of six records denied in their entirety relating to a request for records relevant to and/or generated in connection with the Safety Evaluation Report on the operation of the Diablo Canyon nuclear power plant, Units 1 and 2, NUREG-0675, Supplement No. 21.

Linda Bauman,  
Government  
Accountability  
Project  
(88-A-5-87-596) APPEAL TO THE COMMISSION for the release of 17 records denied in their entirety and nine records denied in part relating to a request for records concerning six categories of records referenced in Victor Stello's April 14, 1986 memorandum to Chairman Zech on the establishment of the CPRRG.

Granted

Linda Bauman,  
Government  
Accountability  
Project  
(87-633) In response to a request for records related to a September 3, 1987 letter to W. Council from R. Warnick regarding items B&C in the Notice of Deviation and the meeting with Mr. Streeter and others on August 13-20, 1987, informed the requester that six records subject to this request are already available at the PDR.

Linda Bauman,  
Government  
Accountability  
Project  
(87-634) In response to a request for records related to a September 2, 1987 letter from R. Warnick to W. Council regarding the June 5 through July 7, 1987 inspection and discussion of the findings with W. Council and other staff members at the conclusion of the inspection, informed the requester that three records subject to this request are already available at the PDR.

Donna Sorgi,  
The Commonwealth  
of Massachusetts  
(87-641) In response to a request for records related to the design, installation and administrative controls for the analog trip system installed at the Pilgrim nuclear power plant, made available three records. Informed the requester that eight additional records subject to this request are already available at the PDR.



Granted, Cont'd

Lynn Connor, Doc-Search Associates (87-785)	In response to a request for records associated with NRC's Senior Management Team meeting on TVA on April 18, 1986, informed the requester that records regarding the subject meeting are being addressed in NRC's response to her previous request, FOIA-87-744.
Kenneth Mokoena, The National Security Archive (87-835)	In response to a request for records related to specified agreements/contracts with South Africa, informed the requester that the NRC located no agency records subject to this request. Suggested that he contact the DOE and the DOS.
Donald Lewis, Donald B. Lewis (87-844)	In response to a request for two categories of records related to the shutdown of the Peach Bottom nuclear power plant, informed the requester that the NRC located no agency records subject to this request.
Lynn Connor, Doc-Search Associates (87-860)	In response to a request for records associated with Henry Myers correspondence dated April 10, 1986 with OI since FOIA-87-784, informed the requester that the NRC located no agency records subject to this request.
Lynn Connor, Doc-Search Associates (87-861)	In response to a request for records associated with the NRC Senior Management Team meeting on TVA on April 18, 1986, informed the requester that records regarding the subject meeting are being addressed in NRC's response to her previous request, FOIA-87-744.
(NRC employee) (87-863)	In response to a request for a current copy of a specified position description, made available a copy of the requested record.
Kenneth Boley, Critical Mass (87-838)	In response to a request for records that provide by plant the scores received by ROs and SROs on qualification and requalification exams at each plant since January 1, 1983, made available one record. Informed the requester that 1983 data are not available and there are no data on requalification by plant.
Kenneth Boley, Critical Mass (88-2) and (88-3)	In response to a request for records that provide (1) information on the criminal records of unlicensed operators at each plant, (2) information or requirements for becoming an unlicensed operators and (3) the scores on qualification exams before and after training since January 1, 1983, informed the requester that there are no federal requirements for becoming an unlicensed operator at a nuclear power facility. The NRC does not give examinations for "unlicensed" operators. Therefore, the NRC does not collect information on criminal records of unlicensed operators.

Denied

Bruce Maxwell,  
WTOL-TV Toledo  
(87-413)

In response to a request for records concerning SAFETEM programs at five listed nuclear power plants, made available 83 records. Informed the requester that additional records subject to this request are already available at the PDR. Denied portions of nine records, disclosure of which would result a clearly unwarranted invasion of personal privacy. Denied seven records in their entirety and portions of one record, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process. Denied one record in its entirety containing confidential business (proprietary) information.

(NRC employee)  
(87-816)

In response to a request for records relating to the violation of the security file on her, made available 14 records. Denied 50 records in their entirety, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process, and result in a clearly unwarranted invasion of personal privacy. Denied portions of six records, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process, result in a clearly unwarranted invasion of personal privacy and would reveal identities of confidential sources.

Linda Luman,  
Government  
Accountability  
Project  
(87-596)

In response to a request for six categories of records referenced in Victor Stello's April 14, 1986 memorandum to Chairman Zech concerning the establishment of the CPRRG, made available 38 records. Informed the requester that additional records subject to this request are already available at the PDR. Denied 17 records in their entirety and portions of three records, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process. Denied one record in its entirety, disclosure of which would interfere with an ongoing investigation and reveal identities of confidential sources. Denied portions of six records relating solely to the internal personnel rules and procedures of the NRC. Denied portions of one record, disclosure of which would result in a clearly unwarranted invasion of personal privacy.

Donna Sorgi,  
The Commonwealth  
of Massachusetts  
(87-644)

In response to a request for records documenting commitments made by Boston Edison Company concerning improvements to the Pilgrim plant hardware or procedure related to ATWS, made available 58 records. Informed the requester that additional records subject to this request are already available at the PDR. Denied portions of one record, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process.

Denied, Cont'd

Lisa Sepe,  
Haight, Dickson,  
Brown & Bonesteel  
(87-665)

In response to a request for copies of the NRC report entitled, "A Visit to the Mohave Generating Station to Review the Steam Line Rupture" and all underlying data regarding a June 9, 1985 rupture of a seam pipe at the Mohave coal plant, made available five records. Denied portions of one record containing information received in confidence by the NRC from the owners of the Mohave Generating Station.

Lynn Connor,  
Doc-Search  
Associates  
(87-782)

In response to a request for records associated with a memorandum from V. Stello to B. Hayes dated on or around January 3, 1987 and referenced in the November 9, 1987 issue of Inside NRC, denied five records in their entirety, disclosure of which would interfere with an ongoing investigation.

Linda Bauman,  
Government  
Accountability  
Project  
(87-A-103-87-655)

In response to an APPEAL TO THE COMMISSION AND THE EDO for the release of 17 records denied in their entirety relating to a request for records relevant to and/or generated in connection with the report by the GAO concerning the NRC lacking guidelines on shutting down nuclear power plants for safety violations, made available one record. Denied 15 records in their entirety and portions of one record, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process.

Linda Bauman,  
Government  
Accountability  
Project  
(87-A-105-87-457)

In response to an APPEAL TO THE COMMISSION for the release of two records denied in their entirety relating to a request for records on the allegations raised by a named individual from 1983 to the present regarding the San Onofre seismic design, continued to deny these records, disclosure of which would tend to inhibit the open and frank exchange of ideas essential to the deliberative process.



DIVISION OF CONTRACTS  
WEEKLY INFORMATION REPORT  
WEEK ENDING JANUARY 15, 1988

SOLICITATION ISSUED:

RFP No.: RS-ARM-88-231

Title: "Electronic Publishing System"

Description: The Contractor shall furnish equipment, software, maintenance and other support services for the installation and support of an electronic publishing system.

Period of Performance: 2 years with three 1-year options (maintenance)

Sponsor: Office of Administration and Resources Management

Status: Closing date has been extended to February 8, 1988.

OFFICE OF NUCLEAR REACTOR REGULATION

ITEMS OF INTEREST

Week Ending January 15, 1988

Indian Point 2

Indian Point 2 is in the process of starting up after the recent refueling outage. During the heat up of the plant and before the primary system reached 350°F, it was discovered that steam generator #23 had boiled dry. The level in the steam generator began decreasing on January 1, 1988, at 11:30 p.m. and had boiled dry by 8:00 a.m. on January 3, 1988 as determined by a review of the logs. It was January 4 before the plant realized that the steam generator was dry and another day before the steam generator was refilled. It appears that the operating staff was continuously aware of the decreasing water level. The NRC has an Augmented Inspection Team, including the Project Manager, arriving at the site on January 8.

PILGRIM - Restart Hearings by Senator Kennedy

On January 7, 1988, Senator Kennedy, as Chairman of the Senate Labor and Human Resources Committee, held hearings regarding the restart of the Pilgrim Nuclear Power Station. These hearings were held in the Plymouth High School before a crowd of about 500 individuals.

Senator Kennedy received testimony from the following panels and individuals:

- Leaders of local citizens groups
- Massachusetts and local elected officials
- Massachusetts Lt. Governor and Attorney General
- Commonwealth Emergency Planning and Public Health Officials
- NRC and FEMA

The major issues of the hearing concerned emergency preparedness in the Pilgrim area, public health issues in the Pilgrim area, the adequacy of the Mark I Containment at Pilgrim and desires to hold formal adjudicatory hearings.

Senator Kennedy indicated that followup questions may be directed to the NRC. He also stated his intention to ask the National Institute of Health to initiate cancer and public health studies in the areas surrounding Pilgrim and Three-Mile Island.

### Shoreham

On January 7, 1988 the ASLB (OL-6) issued the following rulings related to LILCO's request for authorization to operate Shoreham at 25% of full power:

- (1) LILCO is entitled to proceed with its request under 10 CFR 50.57(c) without first seeking an exemption. LILCO is entitled to apply the provisions in 10 CFR 50.47(c)(1) to satisfy the "reasonable assurance" requirements of 50.57(a)(3) as required under 50.57(c).
- (2) The intervenors are entitled to contest LILCO's request as provided for under 50.57(c).
- (3) The Staff is directed to proceed with a review of LILCO's request. The Staff's Safety Evaluation Report should be made available to give the intervenors a further opportunity to state their contentions with basis and specificity.
- (4) In light of the above rulings, the parties are directed to recommend on the appointment of a separate Board or other special assistants as provided for under 10 CFR 2.722.

### Beaver Valley 1

The unit has been shut down for refueling since mid-December. On performance of examination of radiographic examination on the feedwater lines, licensee personnel discovered indications of cracks on the nozzle-to-fitting welds of all three lines. These cracks, ranging from 1 7/8" to 8 1/2" around the circumference of these lines, are located at the counterbore areas. The affected portions of the lines have been cut out and specimens of material have been sent to contractors to determine the nature and causes of these cracks. The licensee plans to replace all three affected elbows.

The elbows were last replaced in 1979, when cracks were discovered as a result of actions requested by IE Bulletin 79-13 (MPA B-43, TAC No. 11766). NRR personnel (M. Hum and W. Hazelton) are closely following this event.

All information is provided verbally by licensee personnel.

### Turkey Point Units 3 and 4

Florida Power and Light Company (FP&L) has announced organizational changes which will become effective February 1, 1988. Mr. C. O. Woody will become Executive Vice President reporting directly to Mr. R. E. Tallon, President and Chief Operating Officer. Mr. Woody's former position, Group Vice President, will be changed to Senior Vice President and the position will be filled by Mr. W. F. Conway. Mr. Conway was formerly President and Chief Executive Officer of Vermont Nuclear Power Corporation and recently held the position of Group Vice President and Acting Division Director at the Institute of Nuclear Plant Operations (INPO).

In the near future, FP&L will provide us the details of these and other organizational changes affecting both corporate and the Turkey Point site.

### Crystal River Unit 3

Crystal River Unit 3 achieved criticality on January 8, 1988 after a scheduled refueling outage which began on September 19, 1987. Mode 1 was reached on January 10, and the plant is currently at 45% power in its power ascension program.

During the restart, three EFIC actuations of emergency feedwater occurred caused by problems in the main feed system. No significant over cooling resulted from these actuations, but during one event the steam-driven EFW pump tripped on overspeed due to inadequate opening of the warmup valve.

### Perry

On September 18, 1987, the Cleveland Electric Illuminating Company, et. al., licensees for the Perry Nuclear Power Plant, Unit No. 1, requested a license amendment to remove the MSIV leakage control system from the Technical Specifications and to modify the allowable MSIV leakage from 25 (SCFH) Standard Cubic Feet per Hour per line to 100 SCFH through any combination of lines. Their technical basis for this request was a plant specific analysis of NUREG-1169 "An Evaluation of Boiling Water Reactor Main Steam Isolation Valve Leakage and the Effectiveness of Leakage Treatment Methods" for the Perry Nuclear Power Plant, Unit 1.

This amendment request was noticed in the Federal Register on December 11, 1987 with prior opportunity for hearing without making a significant hazards determination in accordance with recent direction from NRR management. On January 8, 1988, Susan L. Hiatt, a representative for the Ohio Citizens for Responsible Energy (OCRE) filed before the Atomic Safety and Licensing Board, a Petition for Leave to Intervene and Request for Hearing with respect to the amendment.

Following the Steam Generator Dry Out Event and as documented in a Confirmatory Action Letter issued on January 7, 1988, Consolidated Edison agreed not to take the plant critical until authorized by the Regional Administrator. The Augmented Inspection Team (AIT) dispatched to Indian Point 2 on January 7 to investigate the event held an exit meeting on January 12. Based upon the results of the inspection, the licensee was informed that several action items must be completed prior to the Regional Administrator authorizing restart. First, Consolidated Edison must submit a letter to the NRC discussing short-and long-term corrective actions. Second, the utility must meet with the NRC staff to discuss the action plan. The utility must demonstrate the rationale used in determining its corrective actions. It must demonstrate the effectiveness of short-term actions and justify why long-term actions should not be completed prior to restart.

Indian Point 2 Steam Generator Dry Out

Following the Steam Generator Dry Out Event and as documented in a Confirmatory Action Letter issued on January 7, 1988, Consolidated Edison agreed not to take the plant critical until authorized by the Regional Administrator. The Augmented Inspection Team (AIT) dispatched to Indian Point 2 on January 7 to investigate the event held an exit meeting on January 12. Based upon the results of the inspection, the licensee was informed that several action items must be completed prior to the Regional Administrator authorizing restart. First, Consolidated Edison must submit a letter to the NRC discussing short- and long-term corrective actions. Second, the utility must meet with the NRC staff to discuss the action plan. The utility must demonstrate the rationale used in determining its corrective actions. It must demonstrate the effectiveness of short-term actions and justify why long-term actions should not be completed prior to restart.

JANUARY 15, 1988

ENCLOSURE B



## OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

### Items of Interest

Week Ending January 15, 1988

#### SAFEGUARDS

##### Domestic

##### NRC/DOE Physical Security Comparability - Night Firing Qualifications

NMSS staff has confirmed that as of January 10, 1988, all licensees have completed night firing qualifications for their security guards. License conditions to implement the three near term NRC/DOE comparability measures (stationing armed guards at MAA portals, night firing qualifications for guards, and conducting 100% search of personnel and packages entering the protected area) were issued on August 6, 1987, to the four Category I fuel facility licensees (NFS, B&W, UNC, and GA). The stationing of armed guards at MAA portals was previously fully implemented at all four facilities on September 9, 1987. The implementation of the 100% search requirement for all personnel and packages is to be accomplished on a phased implementation schedule (25% search by November 9, 1987, 50% search by March 9, 1988 and 100% search by August 9, 1988). GA and NFS have already implemented the 100% search while B&W and UNC are on schedule for the phased implementation.

##### TRANSRAM Workshops

The Department of Transportation (DOT) sponsored a series of regional workshops on the Transportation of Radioactive Materials (TRANSRAM) last year, and has proposed a second series of the workshops for this year. The workshops are held by the Department's Research and Special Programs Administration, with participation from NRC, the Department of Energy and the Federal Emergency Management Agency. Invitees include state and Indian tribal representatives with day-to-day regulatory and compliance responsibilities for radioactive material shipments. Basically, the workshops are intended to facilitate information exchanges and dialogue among state, Indian and federal agencies. The first workshop this year is scheduled for January 18-19 in Tampa, Florida. In response to a request from DOT, SGTB staff plan to participate.

#### INDUSTRIAL AND MEDICAL NUCLEAR SAFETY

##### Dry Spent Fuel Storage

A letter from Virginia Electric and Power Company (VEPCO), dated December 31, 1987, has stated its intent to request an amendment to its Part 72 license to authorize storage in a different dry storage cask design at its Surry site. Dry storage is presently conducted using the GNSI CASTOR V cask with a capacity of 21 assemblies. The amendment, to be submitted in May 1988, is in

conjunction with the expected submittal in March 1988 of a topical report by GNSI for its nodular cast iron CASTOR X/28-33 cask design. The CASTOR X is designed to store 10-year-decayed spent fuel and has 2 fuel baskets. One basket design allows a cask capacity of 28 PWR assemblies. The second basket design takes allowance for burnup credit in its criticality design and allows a cask capacity of 33 PWR assemblies. VEPCO's action is part of a joint Department of Energy/Virginia Power/Electric Power Research Institute Dry Storage Cask Demonstration Program.

#### AlChemIE

NRC staff met with DOE staff and its contractor, Martin-Marietta, on January 6, 1988, to discuss nonproliferation aspects of the AlChemIE proposal to operate two facilities for the enrichment of stable isotopes in Oak Ridge and Oliver Springs, Tennessee. NRC and DOE staff met with AlChemIE on January 7, 1988, to discuss the same topic. Further discussions will be necessary to develop appropriate performance objectives. DOE also is considering this topic in connection with its contractual regulations with AlChemIE.

#### Advisory Committee on the Medical Uses of Isotopes to Discuss Radiation Therapy Quality Assurance, Other Medical Issues

The Advisory Committee on the Medical Uses of Isotopes will meet at 9:00 a.m., January 26, 1988, at the Bethesda Holiday Inn. Agenda topics include quality assurance in radiation therapy, alternatives for improved regulatory oversight of medical use of byproduct material, and future regulatory issues.

OFFICE OF NUCLEAR REGULATORY RESEARCH

Items of Interest

Week Ending January 15, 1988

REGULATORY DEVELOPMENT

A-44, Station Blackout

We have been working with the EDO staff to complete revisions to the A-44 resolution package. Concentrated cooperative effort provided by individuals from NRR, AEOD, OGC and EDO has resulted in revised wording to satisfy EDO staff. We will provide comparative text to all offices for their review and approval this week, and if acceptable, we will provide the revised package to EDO 01/22/88.

Improved Risk Based Performance Indicator, and Proposed Rulemaking to Change LER Rule

An important step in NRC's plan for performance indicators (SECY-86-317) is the development of an improved, risk based indicator of the unavailability of important safety system.

In December 1987, based on research results by BNL, DRPS recommended to AEOD a method for this improved indicator for unavailability of important safety systems. This improved indicator is: The total hours per year that any of six selected safety systems are unavailable while the reactor is critical. This improved indicator for safety-system unavailability is directly related to safety. Six systems selected for monitoring represent about 90% of the sensitivity of core-melt frequency to outage of a safety-system train. Also, trends in this unavailability indicator reflect the effectiveness of a plant's maintenance program in preventing the availability of important safety systems from degrading. (Future work will provide other indicators of maintenance and better coverage of balance-of-plant.) A RIL is in preparation.

The data needed to implement this indicator are simple; e.g.: (1) The total number of hours that each train in the six selected systems is taken out of service, and (2) number of failures of each train. Many utilities informally track this type of information in order to assure meeting Technical-Specification limiting conditions for operation.

In order to obtain this input data, an August 18 memorandum from AEOD to RES requested RES support to obtain EDO approval to initiate rulemaking. The RES response has been in concurrence since September. This memorandum has now been revised to more clearly state our reasons for recommending rulemaking. We expect AEOD Director concurrence this week, and will request NRR Director concurrence next week.

### Recently Issued Publications

Reg. Guide 8.13, Rev. 2, "Instruction Concerning Prenatal Radiation Exposure." Contact: A. Roecklein, RES (301) 492-3740

Reg. Guide 10.4, Rev. 2, "Guide for the Preparation of Applications for Licenses to Process Source Material." Contact: D. Mackenzie, NMSS (301) 427-4052

### PREVENT CORE DAMAGE

#### 2D/3D

2D/3D is a trilateral (Japan, Germany, and U.S.) experimental program. The NRC provides computer codes and two-phase flow instruments through INEL and ORNL in exchange for test data. The German Upper Plenum Test Facility (UPTF) is a full scale facility containing 193 fuel bundle upper end boxes and upper plenum internals but lacking a core heater. This program provides large scale test data on LOCA refill and reflood phenomena. These data serve as the best data source of revising 10 CFR 50 Appendix K rules. Moreover, these data have been used to resolve the upper plenum injection (UPI) licensing issues. The NRC licensing staff have used the data to assess the emergency core coolant system (ECCS) evaluation models submitted by the UPI plant licensees.

In preparing flow instruments in time for the UPTF outage in March-April, 1988, ORNL has completed eight drag bodies and nine breakthrough detectors. Work is continuing to complete the remaining seven drag bodies and one breakthrough detector. Necessary spare parts and tools are being prepared.

#### Human Factors Research Plan

RES and NRR will brief the Commission on February 2, 1988, on the status and plans for the Agency's human factors (HF) activities. DRPS is coordinating their HF presentation with that of DLPQE and will provide briefing slides to the EDO by January 27th.

#### IPE Meetings

Two meetings were held with representatives of NRR. The first meeting was held on 1/7/88 between B. Sheron and F. Gillespie and their staff to discuss the role of accident management in the IPE and coordination of other accident management efforts between NRR and RES/DRPS. NRR is also drafting a Commission paper describing how accident management will be implemented. The second meeting was held on 1/11/88 between RES and NRR to discuss positions regarding the IDCOR Individual Plant Examination Methodology for BWRs.

### Sr. Management Council Meeting on IPE External Events

A meeting was held by the Sr. Management Council for seismic events on January 12th to discuss seismic issues and the Individual Plant Examination (IPE). The Council (consisting of B. Sheron, G. Arlotto, L. Shao, and T. Novak) is charged with the responsibility of providing guidance on the integration of the seismic part of the IPE with other NRC seismic programs.

The next meeting will take place in two weeks to continue the discussion. Mr. Shao will be coordinating the next meeting.

### Human Factors - Cognitive Modeling

RES is currently sponsoring work with the Westinghouse Research and Development Center on an artificial intelligence based simulation for analyzing cognitive (intention formation) aspects of NPP personnel behavior. FY 1988 work involves operability tests of a Cognitive Environment Simulation (CES) developed earlier in the research program. Recently, AEOD expressed an interest in using CES to better understand the potential for cognitive errors in several NPP events deemed critical to safety. Preparations are being made with AEOD to carry out these analyses, with AEOD funding, as part of the larger operability tests of CES.

### Human Factors - Data Management

RES is currently sponsoring work with INEL EG&G to establish a Nuclear Computerized Library for Assessing Reactor Reliability (NUCLARR) data management system. NUCLARR is designed to provide a broad range of human error and hardware failure rate data as inputs to reliability and risk studies. During the week nine NRC staff members representing three offices were trained on NUCLARR and provided access to the data bank from their own computer work stations.

### Programmatic Performance Indicator

The utilization of an NRR task-order can optimize staff resources and expedite the 1988 programmatic indicator work. What remains for this contractual process to start, is concurrence by RES/NRR management. A program plan could be ready for the Commission paper on performance indicators (due on 3/10) given that the contract is in place by 2/1. The contractual process can start immediately upon concurrence by RES and NRR management.



CONTAIN FISSION PRODUCTSWorkshop on BWR Mark I

A Federal Register Notice has been issued inviting participation in a Feb. 24-26, 1988 workshop on BWR MARK I containment performance in response to severe accidents. The purpose of the meeting is to solicit technical information and viewpoints on containment challenges and potential mitigation improvements. The national labs as well as nuclear utilities and consultants are expected to participate. The Hilton Hotel in Columbia, MD, has been tentatively selected as the meeting place.

Items of Interest  
Office for Analysis and Evaluation of Operational Data

Week Ending January 15, 1988

Incident Response

On January 13, IRB staff members met with representatives of Department of Energy (DOE), Environmental Protection Agency (EPA), and the Federal Emergency Management Agency (FEMA) in an Interagency Working Group Meeting to develop the outline for an Advanced Radiological Assessment course to be given at Emmitsburg, Maryland during the summer. The new course will focus on recovery and reentry issues.

On January 13, the AEOD Deputy Director and an IRB staff member met with representatives of Office of Governmental and Public Affairs, DOE, EPA, and FEMA to discuss issues related to public information during an emergency at the upcoming Nuclear Energy Agency meeting in Paris in February 1988.

On January 14, the AEOD Director and IRB staff members met with representatives of DOE and FEMA to resolve any remaining issues related to the Federal Field Exercise-2 (FFE-2) evaluation report. The meeting was beneficial and all issues for the Evaluation Report have been resolved among the Federal agencies.

Diagnostic Evaluation and Incident Investigation

The McGuire Diagnostic Evaluation Team returned from a week at the licensee's corporate offices and plant site on Monday, January 11. The initial drafts for the team's report are scheduled to be completed by January 15. The exit meeting with the licensee is now scheduled for January 22.

Technical Training

The Technical Training Center (TTC) Director, Acting Specialized Technical Training Staff Chief, and an Education and Training Specialist from the Office of Personnel visited the headquarters and local training activities associated with the Chief of Naval Technical Training, Naval Air Station Memphis, Millington, Tennessee on January 12-13. The visit allowed firsthand observation and information gathering on a number of topics involving U.S. Navy technical training programs. Major topics included the use of instructors and educational specialists in technical training development, management, and instruction; the life cycle of technical training courses; different training appraisal techniques; the use of group-paced and self-paced technical training programs; and the integration of laboratory, simulator, or other hardware training devices with classroom presentations.

Preliminary Notifications

The following Preliminary Notifications were issued during the past week.

- a. PNO-I-88-5, Pennsylvania Power and Light Company (Susquehanna Unit 1), Personnel Injury -- Contaminated Worker Transported to Hospital.
- b. PNO-II-87-01A, Carolina Power and Light Company (Brunswick Unit 2), Region II Augmented Inspection Team (AIT).
- c. PNO-III-88-02, Detroit Edison Company (Fermi 2), Reactor SCRAM Following Feedwater Pump Trip.
- d. PNO-IV-88-03, Nebraska Public Power District (Cooper Nuclear Station), Derailment of Railroad Car Carrying Empty Spent Fuel Shipping Cask.
- e. PNO-V-88-01, Portland General Electric Company (Trojan), Shutdown for Greater than 48 Hours.

OFFICE OF PERSONNEL  
ITEMS OF INTEREST  
Week Ending January 16, 1988

Secretarial Job Fair

The Office of Personnel sponsored a secretarial/clerical recruitment Job Fair on Saturday, January 16. Approximately 50 applicants were interviewed by the six-member special OP recruitment team, supplemented by a representative of NMSS. The overall quality of the applicants was high, and the majority of those who successfully passed the typing test will be referred for possible selection throughout the agency. This was the most successful Job Fair the agency has sponsored in some time; reasons for the high attendance appeared to be the attraction of the White Flint location and the relatively high job security of Federal employment for secretarial and clerical personnel. OP will attend another professionally-sponsored clerical job fair on February 3 at the Sheraton Potomac.

Arrivals and Departures

New employees joining the staff as of January 19 are: William McNulty, Investigator, Region V; William Reckley, Reactor Systems Specialist, AEOD; Reginald Mitchell, Secretary for OP; Donna Noldy, Secretary for ARM; Lucia Strott, Secretary, and Carilyn Wiens, Clerk-Typist, for NRR.

Employees leaving NRC were: Mary Clare Miles, Public Affairs Officer from GPA; Secretaries Kelly Shewbridge, and Lillian Schouten from ARM and RES, respectively.

OFFICE OF SPECIAL PROJECTS  
ITEMS OF INTEREST  
WEEK ENDING JANUARY 15, 1988

Sequoyah Unit 2

On Tuesday through Thursday, January 12 through 14, 1987, the Division Director and Assistant Director for Projects, TVA Projects, OSP visited the Sequoyah site to assess the status of Sequoyah, Unit 2 for heatup and restart (criticality). TVA is planning an extended heatup of Unit 2 before restart. This is part of TVA's planned activities leading to the restart of Unit 2.

This will be a non-nuclear heatup of both the primary and secondary plant using reactor coolant pump heat. The reactor coolant system will be taken to rated temperature and pressure (i.e., 547°F and 2,235 psig). The plant will have met the operability requirements for Modes 4 and 3 in the Technical Specifications. TVA stated this will be a "shakedown" period for plant equipment, systems and personnel before the reactor is taken critical. The exact duration will depend on the nature of the problems encountered and the time needed for operators to refamiliarize themselves with an operating plant environment.



ITEMS OF INTEREST  
Office of Enforcement  
Week Ending January 15, 1988

The following Civil Penalty Paid the week of January 11, 1988.

Consumers Power Company (Big Rock Point) paid the civil penalty in the amount of \$25,000 proposed in an enforcement action on December 2, 1987. The action was based on a violation involving failure to maintain control of access to a vital area of the plant. (EA 87-202)

ITEMS OF INTEREST  
REGION II  
WEEK ENDING JANUARY 15, 1988

1. On January 10-12, Region II hosted the Utility/NRC Interface II meeting in Atlanta. Over 100 utility/NRC people attended the workshop. Region II participation included the Regional Administrator, Deputy Regional Administrator, the Directors of the three program Divisions, and 25 staff. All the participants believed the results of the workshop were positive, and many initiatives were identified that would enhance communications and trust.
2. On January 15, 1988, the Deputy Director, Division of Reactor Safety (DRS); a DRS Branch Chief, and a Division of Reactor Projects Branch Chief are in headquarters to attend the NRC/Alabama Power Company meeting on the unisolatable Safety Injection Pipe Crack at Farley Unit 2. The concerns are threefold: 1) a plant-specific determination of the cause, which appears to be thermal stresses due to cold water leakage past a check valve; 2) assessment of plant specific fixes; and 3) a determination of whether there are any generic ramifications.
3. On January 15, 1988, the Regional Administrator and selected members of the Regional Staff are attending the Thirteenth Annual Labor/Management/Government Social Responsibility Awards Breakfast and Seminar at the World Congress Center in Atlanta.
4. An Order is being prepared that would require Georgia Institute of Technology to stop irradiation experiments until they have fully assessed the causes of a contamination event that occurred August 1987. Similar events have also been alleged to occur. On January 7, the licensee was verbally requested to cease irradiation experiments, and the Order will require NRC review of remedial actions prior to authorizing further irradiations.

ITEMS ADDRESSED TO THE COMMISSION - Week Ending January 15, 1988

- A. STAFF REQUIREMENTS - PERIODIC BRIEFING ON STATUS OF OPERATING REACTORS AND FUEL FACILITIES, 9:30 A.M., THURSDAY, DECEMBER 17, 1987, COMMISSIONERS' CONFERENCE ROOM, D.C. OFFICE (OPEN TO PUBLIC ATTENDANCE) - SECY to V. Stello, Jr., EDO dated 1/12/88

The Commission was briefed by the staff on the status of operating reactors and materials and fuel facilities licensees.

The staff should continue to identify plants for which increased or decreased management oversight is warranted as an input to establishing priorities for the use of NRC's limited resources.

Chairman Zech suggested that it would be useful for the staff to investigate the common denominators of licensees with good safety performance. He encouraged the regional administrators to be knowledgeable of Region III's oversight program of materials licensees.

Commissioners Roberts and Bernthal believe that the staff (and especially the regional administrators), as had been customary in the past, should provide the Commission with a periodic briefing, highlighting plants which merit special Commission consideration or recognition. Commissioners Roberts and Bernthal continue to believe that for purposes of this meeting, attempts to categorize plants are unproductive and should be dropped. Staff should focus its time and efforts on the substance, rather than the categories, of power plant and materials licensees achievements and problems.

Commissioner Rogers requested the staff to inform the Commission of those plants with silicone-rubber electric cables and the staff's program and schedule to assess the acceptability of its use.

Commissioner Rogers also suggested the staff encourage trade societies and associations to provide refresher courses to materials licensees on the hazards associated with radioactive materials handling.

JANUARY 15, 1988

NRR MEETING NOTICES\*

January 15, 1988

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
1/19/88 8:30 a.m.	669	Room P-110 Phillips Bldg.	Staff briefing by EPRI on Advanced LWR Req. Document Chapter 5, "Engineered Safety Systems"	NRC/EPRI	P. Leech
1/20/88 9:00 a.m.	50-309	Room P-114 Phillips Bldg.	To discuss applicability of the CE Small Break LOCA Code to Maine Yankee	NRC/Maine Yankee	P. Sears
1/20/88 9:00 a.m.	50-410	Westinghouse 4901 Fairmont Ave. Bethesda, MD	To discuss <u>W</u> fuel for NMP-2	NRC/NMPC	M. Haughey
1/26/88 10:00 a.m.	50-271	NRC Region I 475 Allendale Rd. King of Prussia	Meeting w/Vermont Yankee NPC to discuss EQ issues raised in VYNPC letter dated 11/03/87.	NRC/VYNPC	V. Rooney
1/27/88 8:30 a.m.	50-267	Visitor's Center Ft. St. Vrain Platteville, CO	To discuss potential decommissioning of Fort St. Vrain Nuclear Generating Station	NRC/PSC/ State of CO	K. Heitner
1/27/88 9:00 a.m.	50-470	Phillips Bldg. Room P-114	Meeting w/CE to discuss steam generator vibration issue for System 80 design	NRC/CE	G. Vissing

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

A listing of these meeting notices can be obtained by calling 492-7424.

ENCLOSURE P

JANUARY 15, 1988

NMSS MEETING NOTICES

DIVISION OF LOW-LEVEL WASTE MANAGEMENT AND DECOMMISSIONING

FOR WEEK ENDING:

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/APPLICANT</u>	<u>NRC CONTACT</u>
1/20/88 9:00 a.m.		White Flint	To discuss allegations of potential misuse of Chichibu High Integrity Containers	JSurmeier MTokar Reps from Mitsubishi International Corp	MTokar
1/25-27/88		San Diego, CA	Participation in State LLW Forum	PLohaus JRoles DOE Staff EPA Staff State/Compact Reps.	PLohaus

NMSS MEETING NOTICES

DIVISION OF SAFEGUARDS AND TRANSPORTATION

<u>DATE/TIME</u>	<u>DOCKET NO.</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/APPLICANT</u>	<u>NRC CONTACT</u>
1/27/88 1:00-3:00	-	Dupont Plaza, Washington, D.C.	Attend Electric Utilities Companies Nuclear Transportation Group Meeting	Electric Utilities Group, Hopkins (RES) MacDonald (NMSS)	MacDonald

Planned Meetings  
Division of High-Level Waste Management, NMSS

3/23-24/88	Denver, CO	HLW Licensing Support	HLWM staff	PAltomare
4/18-19/88	Conservation Foundation	System Advisory Committee Meeting	HLWM staff	PAltomare
5/18-19/88	Conservation Foundation	"	HLWM staff	PAltomare

ENCLOSURE P



## NMSS MEETING NOTICES

Week ending - January 16, 1988

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY

<u>DATE AND TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES</u>	<u>NRC CONTACT</u>
1/19/88 1:00 p.m.	M-40	Wf1 - RM 6B9 Rockville, MD	To discuss sub- mittal of a Topical Report for Dry Storage Cask design accomodating consolidated spent fuel rods	A. Wells, NAC T. Thompson, MAC J. Roberts, NRC J. Schneider, NRC F. Sturz, NRC	J. Roberts
1/20-23/88		Institute of Nuclear Materials Management Spent Fuel Storage Seminar V	Present invited paper	J. Roberts, MRC	
1/26/88 9:00 a.m.		Holiday Inn Bethesda, MD	ACMUI meeting to discuss quality assurance in radiation therapy and improved regulatory oversight	Advisory Committee	N. McElroy

JANUARY 15, 1988

ENCLOSURE P

January 15, 1988

RII MEETING NOTICE

JANUARY 15, 1988

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
1/19/88 9:00		RII Office	NFS Enforcement Conf.	Licensee, Dep. RA and selected RII staff members	Ernst
11:00		Waynesboro, GA	SALP meeting - Vogtle	Same as above	Grace
1/21/88 1:00		RII Office	VEPCO Enforcement Conf.	Licensee, Reg. Adm. and selected RII staff members	Grace
1/25/88		Miami, FL	Management Meeting - Turkey Point	Licensee, Deputy RA and selected RII staff members	Ernst
1:00		RII Office	Vogtle Readiness Review Unit 2 Meeting	Licensee, Reg. Adm. and selected RII staff members	Grace
1/26/88		Jensen Beach, FL	SALP Meeting - St. Lucie	Same as above	Ernst
1/28/88		Erwin, TN	B&W Navy PIP Meeting	Licensee, Regional Administrator and selected RII staff members	Grace

ENCLOSURE P