

PDR

January 24, 1991

For: The Commissioners

From: James L. Blaha, Assistant for Operations, Office of the EDO

Subject: WEEKLY INFORMATION REPORT - WEEK ENDING JANUARY 18, 1991

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

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\*No input this week.

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## HIGHLIGHTS OF WEEKLY INFORMATION REPORT

Week Ending January 18, 1991

### Enhanced Security Measures

As a result of the situation in the Middle East, the Division of Security has completed actions to strengthen overall security of NRC facilities both in the Washington, D.C. area and at Regional offices. An announcement to all NRC HQ employees and a memorandum to all Regions identifying the increased security measures are being issued.

### Pilgrim

On January 11, 1991, at 8:07 p.m., a small smoldering fire on the turbine building roof required the declaration of an Unusual Event. The fire was the result of welding reinforcing brackets on a fan housing. Assistance from the Plymouth Fire Department was required to extinguish the smoldering roofing material. At 10:00 p.m., the Unusual Event was terminated. No injuries or offsite radiological releases occurred. Several inquiries have been received by the media.

### Publication of Final Version of NUREG-1150

The final versions of Volumes 1 and 2 of NUREG-1150, "Severe Accident Risks: An Assessment for Five U.S. Nuclear Power Plants," have been completed and printed and are now being distributed. These volumes summarize the methods used, technical results obtained, and perspectives gained in the staff's analysis of severe accident frequencies, containment loadings, source terms, off-site consequences, and risks in the Surry, Sequoyah, Zion, Peach Bottom, and Grand Gulf plants. The scope of the study included internally-initiated accidents for all five plants, as well as externally-initiated accidents (e.g., earthquake and fire initiated accidents) for the Surry and Peach Bottom plants. The study considered accidents initiated during full power power operation. Analysis is now underway of the frequencies and risks of accidents initiated during low power and shutdown conditions for the Surry and Grand Gulf plants, to be documented separately from NUREG-1150.

Volume 3 of NUREG-1150 is now in final preparation. This volume summarizes the comments received, and staff responses, on the first and second draft versions of the report. Distribution of this volume is expected in early February, 1991.

### 3. Meeting with General Services Administration (GSA) Regarding Local Telephone Service Change

The Office of Information Resources Management met with representatives of GSA on January 16, 1991 on GSA's requirement to have NRC change its method of obtaining local telephone service. This change would require NRC to obtain local service from both the GSA consolidated CENTREX and Washington Interagency Telecommunications System, versus the current method of contracting directly with C&P Telephone Company. This was an initial information gathering meeting. Several future meetings will be necessary to fully assess how this changeover would affect NRC. The next meeting will be on January 23, 1991.

Office of Nuclear Reactor Regulation  
Items of Interest  
Week Ending January 18, 1991

D. C. Cook Units 1 and 2

The licensee for D. C. Cook Units 1 and 2 announced a number of planned changes within the corporate office management structure. Milton P. Alexich, Vice President of Nuclear Operations announced his retirement effective April 1, 1991. He will be succeeded by Eugene (Gene) F. Fitzpatrick, previously the Vice President and Site Director of the Oyster Creek Nuclear Station. Mr. Fitzpatrick will join the licensee's staff January 21, 1991 as Executive Assistant to David H. Williams, Jr., Senior Executive Vice President and will serve in that capacity until April 1. At that time, W. G. (Bo) Smith will return to the licensee's staff after serving 18 months as a loaned executive with INPO and will take the position of Mr. Williams' Executive Assistant.

Watts Bar

In December 1990, Watts Bar issued a stop work order on electrical construction saying that the action was taken as a precautionary measure to assure that quality work was performed. Shortly afterwards Watts Bar expanded the work stoppage and reduced the construction work force to approximately 250.

In a management meeting of January 15, 1991. TVA committed to seek NRC approval before restarting construction from the current stop-work order.

Cracks in Reactor Head Closure Studs at Dresden Unit 2

The Dresden Unit 2 reactor head is held in place by 92 closure studs (AISI Grade 4340 steel). An inspection conducted between October 1988 and February 1989 disclosed 2 cracked studs. The UT method used could detect cracks larger than 0.7 inches. Subsequent analysis of these studs at Argonne National Lab indicated that the failure was caused by stress corrosion cracking of overly hardened 4340 steel apparently by exposure to oxygenated water during outages. The studs in Unit 3 were ultrasonically examined during the same outage and no cracks were detected. The closure studs at Quad Cities were 100% inspected after this incident and 30% of the studs were again examined during the following outage with no additional cracks detected.

No inspection of closure studs is planned for Dresden Unit 2 during the current outage. The temperature in the area where the studs are located is 115 to 125°F and an exposure of 2.5 man-rem would result from an examination of (5) studs. An analysis by GE indicates that 43 of the 92 closure studs could have the maximum possible sized crack (an undetected crack that is 0.7 inches deep and grows 0.6 inches during the next fuel cycle) and still satisfy the Code requirements. Five of the closure studs in Dresden Unit 2 will be inspected during the next outage.

Dresden Unit 2 will provide the following information for staff evaluation prior to start-up which is scheduled for the first week of February:

1) fracture mechanics data to correlate to Charpy data; and 2) a discussion of the impact on the start-up schedule of performing a cool down to conduct the inspection of 5 studs. The staff will evaluate this information and determine if additional inspections are necessary before restart.

Interviews at Brunswick for Study of Stress During Requalification Exams

The Human Factors Assessment Branch (LHFB) is continuing a study on the evaluation of operator stress during requalification examinations. This week members of the LHFB are at the Brunswick site conducting interviews with the licensee's operations personnel.

University of Michigan Operator Requalification Examination

On January 7 and 8, 1991, the Operator Licensing Branch (LOLB) conducted a pilot nonpower reactor requalification examination at the University of Michigan's Ford Nuclear Reactor. Written and operating examinations were administered to four Senior Reactor Operators (SROs) and were graded concurrently and independently by the LOLB examiner and the facility. All individuals passed both portions of the examinations as graded by the facility and the NRC and no program deficiencies were identified. A representative from the Non-Power Reactor Decommissioning and Environmental Project Directorate (PDNP) observed the examination.

RESTART SCHEDULE  
1/18/91

<u>PLANT</u>	<u>SHUTDOWN</u>	<u>COMMISSION BRIEFING</u>	<u>PLANT RESTART</u>
BROWNS FERRY 2	9/15/84C	4/91	4/91*

\*Commission decision prior to restart authorization.

Office of Nuclear Material Safety and Safeguards  
Items of Interest  
Week Ending January 18, 1991

Unannounced Inspection

On January 8-9, 1991, an unannounced multi-agency inspection was conducted at Source Production and Equipment Company, Inc., St. Rose, Louisiana. The inspection was coordinated by NRC Region IV and included, in addition to Transportation Branch and regional staff, inspectors from the U.S. Department of Transportation and the Nuclear Energy Division, State of Louisiana. The inspection covered quality assurance in the fabrication of containers, the use and labeling of containers in transport, and environmental and materials handling conditions at the facility. The preliminary findings were discussed with company representatives at the exit meeting.

Meeting with Nuclear Assurance Corporation

On January 15, 1991, the Transportation Branch staff met with Nuclear Assurance Corporation (NAC) concerning the Model No. NAC-STC cask. The package is a dual purpose cask for dry storage and transport of spent pressurized water reactor fuel. Applications have been submitted under 10 CFR Part 71 for transportation and under 10 CFR Part 72 for storage. NAC presented the results of the second series of drop tests of a scale model of the package. Based on the results of these tests, NAC plans to redesign the impact limiters.

Decommissioning of the General Atomics High-Temperature Gas Reactor (HTGR) Facility

General Atomics is beginning the process of decommissioning their HTGR facility located in San Diego, California. Contaminated equipment and materials are to be packaged in large shipping containers (at least 3000 pounds each) and transported off-site for burial in Nevada. It is not expected that any usable amounts of strategic special nuclear material will be recovered during the process.

Nuclear Fuel Services, Inc. (NFS) - Decommissioning Funding

On January 14, 1991, staff from the Fuel Cycle Safety Branch met with NFS representatives to discuss the licensee's financial arrangements for decommissioning the uranium facilities. The existing arrangement consists of the licensee's escrow fund and limited funding to be provided by the United States Government. The licensee stated the United States Government has increased its liability for decommissioning to include all decommissioning costs beyond the depletion of the escrow fund. The costs for decommissioning the inactive plutonium facilities will continue to be an NFS operating expense.

Temporary Waiver of Compliance for Medical Licensees, Nuclear Pharmacies, and Radiopharmaceutical Manufacturers

On January 14, 1991, the NMSS staff learned that the Atomic Energy of Canada Limited reactor facility in Chalk River, the sole source of molybdenum-99

(Mo-99) in North America, was experiencing problems affecting Mo-99 production. The staff was advised that the disruption in the supply of Mo-99 to radiopharmaceutical manufacturers was expected to be temporary (about one week) and the disruption of the supply of radiopharmaceuticals to nuclear pharmacies and medical licensees was expected to be only a few days. The staff determined that the appropriate action was to authorize extended and more efficient use of currently available material through the issuance of a Waiver of Compliance.

On January 15, 1991, the Office of Nuclear Material Safety and Safeguards issued a Temporary Waiver of Compliance for licensees authorized to possess and use molybdenum-99/technetium-99m (Mo-99/Tc-99m) generators and to prepare reagent kits. The Waiver states that the Nuclear Regulatory Commission (NRC) will not enforce license conditions or regulations that require licensees to follow the manufacturers' instructions for the use of Mo-99/Tc-99m generators and the preparation of reagent kits. Specifically, during the time the Waiver is effective, licensees may (1) use Mo-99/Tc-99m generators for up to 21 days (rather than 14 days), (2) use the Tc-99m eluate from these generators for up to 24 hours (rather than 12 hours), and (3) prepare pooled reagent kits ["super kits"] (rather than individual kits), provided that concentration and testing requirements are met.

The Waiver does not relieve licensees from complying with U.S. Food and Drug Administration requirements. The Waiver is effective from January 15, 1991, through February 4, 1991, inclusive.

Office of Nuclear Regulatory Research  
Items of Interest  
Week Ending January 18, 1991

Publication of Final Version of NUREG-1150

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Technical Workshop on Ground-Water Flow & Transport Through Fracture Rock

"Workshop V -- Flow and Transport Through Unsaturated Fractured Rock -- Related to High-Level Radioactive Waste Disposal" was held January 7-10, 1991 in Tucson, Arizona. The technical research workshop, sponsored by NRC's Office of Nuclear Regulatory Research, the University of Arizona, and the Center for Nuclear Waste Regulatory Analyses, focusing on HLW technical issues. Topics included (1) physical, chemical and coupled processes involved in unsaturated flow and transport; (2) laboratory and field experimental methods and results; and (3) modeling of water and vapor flow and transport of contaminants. The participants included invited NRC staff and contractors, university scientists, DOE national laboratory and U.S. Geological Survey investigators, and independent consultants. State of Nevada, NTRB and EPRI observers also attended. Field trips to the Apache Leap Tuff site (ALTS) provided direct observations of ongoing down-hole geophysical, pneumatic and tracer studies, large-scale natural tracer geochemical studies, vapor tracer studies and DOE's prototype drilling program. Also discussed during the field trip was the experimental design and site characterization program for the future INTRAVAL cooperative large-scale coupled processes experiments to be conducted at the ALTS. Workshop presentations and discussions highlighted the significant progress made since the last workshop in the areas of (1) field site characterization studies and the need for developing the next generation of dynamic tracer and thermal experiments, (2) preliminary successes in large-scale geochemical tracer studies for understanding ground-water recharge and fracture pathway delineations, and (3) laboratory studies for characterizing flow and transport through fractured rock and development of larger scale studies. Proceedings are to be published as a NUREG/CP.

Office for Analysis and Evaluation of Operational Data  
Items of Interest  
Week Ending January 18, 1991

Diagnostic Evaluation and Incident Investigation Branch (DEIIB)

The proposed transmittal letter and staff actions resulting from the Oyster Creek diagnostic evaluation were forwarded to NRR and RI for comment by memorandum dated January 14. The team's draft report was enclosed as background. On January 18, Edward Jordan, Chris Grimes (Team Manager) and Thomas Staker, along with Tim Martin, Ed Greenman, and other representatives from RI and NRR, will be at the Oyster Creek site for the formal exit of the diagnostic evaluation.

Incident Response Branch (IRB)

On January 16-17, Nuclear Utilities Service (NUS) personnel gave emergency response data system (ERDS) training to AEOD Response Coordination Team members. NUS is performing the final steps to integrate an additional six (6) reactor units into ERDS.

Division of Safety Programs (DSP)

The Work Group 8, "Exchange of Operational Experience" meeting with the Soviets will take place January 23-30, 1991. Specific subjects to be discussed include performance indicators, human factors, and information feedback. The co-leaders of the working group are Thomas M. Novak for the U.S. and Vladimir M. Vitkov for the U.S.S.R.

Preliminary Notifications

- a. PNO-I-91-3, MPI Pharmacy Services, Inc., Nuclear Pharmacy Delivery Vehicle Accident.
- b. PNO-I-91-4, GPU Nuclear Corporation (Oyster Creek Nuclear Gen. Station), Inoperability of All Emergency Diesel Generators.
- c. PNO-I-91-5, Boston Edison Company (Pilgrim Nuclear Power Station), Turbine Building Roof Fire.
- d. PNO-I-91-6, Department of Health and Human Services, National Institutes of Health, Fire in Research Laboratory at NIH.
- e. PNO-I-91-7, Nuclear Sources and Services (Agreement State Licensee), Damage to Container of Radioactive Material On Board A Ship.
- f. PNO-I-91-7A, Nuclear Sources and Services (Agreement State Licensee), Update on PNO-I-91-7, Damage to Container of Radioactive Materials On Board A Ship.
- g. PNO-III-91-01, Davis-Besse, "Suspicious Device Investigated Inside Protected Area.



Office of Governmental and Public Affairs  
Items of Interest  
Week Ending January 18, 1991

NCAI HLW Information Meeting

Frederick Combs, Assistant Director, State, Local and Indian Relations, and Rosetta Virgilio, State Programs, participated in the Department of Energy (DOE) - National Congress of American Indians (NCAI) Information Meeting on High Level Radioactive Waste (HLW) on January 15-16, 1991 in Sacramento, California. Tribal representatives addressed legal, cultural, spiritual and practical bases of Tribal concerns about radioactive waste issues. Mr. Combs made a presentation on NRC's role in the HLW program. Representatives from DOE provided an overview of the HLW program discussing Yucca Mountain investigations, the Waste Isolation Pilot Plant, DOE's environmental restoration activities and transportation.

Southwestern LLW Compact Commission Meeting

Carlton Kammerer, Director, State Programs, and Dean Kunihiro, Region V State Liaison Officer, attended the Southwestern Low-Level Radioactive Waste Compact Commission Meeting on January 16-17, 1991 in Sacramento, California. This was the first meeting of the Southwestern Compact Commission which includes California, Arizona, North Dakota and South Dakota. The Commission reviewed its roles and responsibilities, appointed a representative to the LLW Forum and discussed NRC's request for comments on the title transfer and possession provisions of the Low-Level Radioactive Waste Policy Amendments Act of 1985.

Meeting with Michigan State Officials

Roland Lickus, Chief, Region III State and Government Affairs, met with Lee Jager, Chief, Bureau of Environmental and Occupational Health and Michigan State Liaison Officer, and George Bruchmann, Chief, Division of Radiological Health, on January 18, 1991 in Lansing, Michigan. The purpose of the meeting was to review the NRC response to Michigan's request for comments on the State's proposed "Modified No Agreement Scenario" which outlined how Michigan could be involved in the design and operation of a LLW disposal facility without becoming an Agreement State. The meeting also provided for a routine exchange of information.

International Visitors

On Thursday, January 17 Mr. Aurelio Ulibarri, Director of Engineering and Projects of the Spanish National Waste Management Company, ENRESA, together with three representatives of Westinghouse, Spain (Jose Gravalos, Head of the Department of Engineering, Pedro Carboneras, Head of the Department of Security and Licensing, and Jose Cruz, Senior Engineer) met with representatives of NMSS and NRR, including NMSS Director, Robert Bernero and NRR Deputy Director, Frank Miraglia. The purpose of their visit was to discuss technical waste management and licensing issues relevant to the decommissioning of the Spanish Vandellós I nuclear power plant, which is scheduled to be completed by 1995. They also presented the staff with an

overview of the current status of the Spanish nuclear waste program. While in the U.S. the group also met with representatives of Public Service Company of Colorado and toured the Fort St. Vrain facility.

On Thursday, January 17 Dr. Nikolai Ponomarev-Stepnoy, First Deputy Director of the Kurchatov Institute of Atomic Energy, USSR, and Co-Chairman of the JCCCNRS, visited NRC headquarters. He discussed with his JCCCNRS counterpart, James Taylor, various issues related to the US-USSR cooperative program and upcoming events. Of particular interest was the availability of the Kurchatov Institute to perform work for NRC. Discussions were also held with Mr. Denton and others on alternative methods for authorizing reexport of the Soviet space reactor known as TOPAZ.

Dr. Stepnoy also had meetings with Chairman Carr and Commissioners Rogers and Remick.

Office of Administration  
Items of Interest  
Week Ending January 18, 1991

Enhanced Security Measures

As a result of the situation in the Middle East, the Division of Security has completed actions to strengthen overall security of NRC facilities both in the Washington, D.C. area and at Regional offices. An announcement to all NRC HQ employees and a memorandum to all Regions identifying the increased security measures are being issued.

Significant FOIA Requests Received by the NRC for 5-Day Period  
January 11 - 17, 1991

Request for a copy of the solicitation mailing list for the Emergency Telecommunications System (Draft Specs). (John Bridgers, TechMedia Corporation, FOIA-91-22)

Request for five categories of records regarding McGean Chemical of Ohio. (Joanne Campanile of Palmer, Biezup & Henderson, FOIA-91-23)

Request for copies of any NRC schedules for the preparation and issuance of SALP reports and associated activities. (Karen Unnerstall of Newman & Holtzinger, P.C., FOIA-91-25)

Request for (1) records since March 9, 1988 which consider the Design Basis Threat; (2) records relating to the vulnerability of nuclear power plants to sabotage caused by insiders; and (3) SECY-76-242C. (Deborah Holland, Nuclear Control Institute, FOIA-91-26)

Request for five categories of records regarding Fansteel, Inc. of Oklahoma. (Frank Thomas of Morgan, Lewis & Bockius, FOIA-91-28)

Request for a copy of SECY-89-369. (Howard Anderson of Stier, Anderson & Malone, FOIA-91-30)

Request for records of inspections, including notices of violations on the University of Cincinnati from June 1988. (Cornelia Relyea, University of Cincinnati, FOIA-91-31)

Office of Information Resources Management  
Items of Interest  
Week Ending January 18, 1991

1. New Forms to Assist NRC Travellers

The Office of Information Resources Management and the Office of the Controller have designed two new NRC forms to aid the staff while on travel: NRC Form 523, "Travel Itinerary," and NRC Form 524, "Travel Itinerary--Pocket Folder," a three-fold pocket that contains sections for reminders, airline carrier, car rental, lodging, expenses, notes, etc. Both forms should be available in the Headquarters NRC Supply Rooms by the end of February.

2. EXSIS SALP Enhancements Installed

Enhancements have been made to the computer reports on SALP data available in EXSIS. Ratings for all operational SALP categories are now included, both from the summary menu and the profile menu. SALP information is updated on a daily basis.

3. Meeting with General Services Administration (GSA) Regarding Local Telephone Service Change

The Office of Information Resources Management met with representatives of GSA on January 16, 1991 on GSA's requirement to have NRC change its method of obtaining local telephone service. This change would require NRC to obtain local service from both the GSA consolidated CENTREX and Washington Interagency Telecommunications System, versus the current method of contracting directly with C&P Telephone Company. This was an initial information gathering meeting. Several future meetings will be necessary to fully assess how this changeover would affect NRC. The next meeting will be on January 23, 1991.

Office of the Controller  
Items of Interest  
Week Ending January 18, 1991

W2 forms have been received from Treasury and employee W2s will be processed and mailed during the week of January 21.

December travel reports are being produced this weekend for distribution to offices on January 22.

Office of Personnel  
Items of Interest  
Week Ending January 18, 1991

Health Benefits and Trift Savings Plan Actions

The open season for Health Benefits began on November 13, 1990, and ended December 10, 1990. During this period, 184 enrollment changes in Headquarters only were processed.

The open season for the Trift Savings Plan began on November 15, 1990, and will end on January 31, 1991. To date, 320 elections have been processed for Headquarters only.

Recruitment Efforts Resume

Recruitment efforts targeted the Pittsburgh area at a job fair held at the Westinghouse facility January 8-10, 1991. NRC participants included Carl Mohrwinkel, Larry Kopp, Bob Hernan, Ed Goodwin, and A. El-Bassioni from NRR; Jim Beall and David Chawaga from Region I; Sandy Israel and Bob Dennig from AEOD; Paul Lohaus from NMSS; Brent Clayton from Region III; and Tom Yingst and Joe Deering from OP. There were 107 individuals who were interviewed during that period, with 49 being recommended for further interviews.

Arrivals

BECK, Lori	Office Assistant (OPFT)	RIII
CARTER, Daniel	Health Physicist (PFT)	NRR
MCCABE, Brian	Project Manager (PFT)	NRR
POWERS, Jonathan	Clerk Typist (PFT)	NRR
ROM, Daniel	Geotechnical Engineer (PFT)	NMSS
SPIRO, Harvey	Environmental Engineer (PFT)	NMSS
ULECK, Ronald	Project Manager (PFT)	NMSS
WILEY, Faye	Secretary (PFT)	OGC
WILLIS, Erica	Clerk (SIS) (OPFT)	NRR

Departures

HAWKINS, Lisa	Administrative Assistant (OPFT)	ADM
KABIR, Tanzeena	Administrative Assistant (OPFT)	ADM
PRICE, Richard	Technical Intern (OPFT)	NRR
SENATORE, Marianne	Secretary (PFT)	NRR

Office of Enforcement  
Items of Interest  
Week Ending January 18, 1990

Civil Penalty Paid

C & R Laboratories, Inc., Pearl City, Hawaii, paid the civil penalty in the amount of \$1,500. The action was based on failure of a former part-time employee to conduct required radiations surveys of an exposure device on removal of the device from and return to storage, willful creation of false records to make it appear that the required radiation surveys had been performed, and failure to properly post the van that was being used for storage. (EA 89-101)

Office of Consolidation  
Items of Interest  
Week Ending January 18, 1991

Second Building Status

During the week the Office of Consolidation collected, reviewed and refined input from nine offices to be used in a revised analysis of added costs that the NRC would incur if the second building were a mile north of OWFN rather than adjacent to it.



Region I  
Items of Interest  
Week Ending January 18, 1991

1. Region I Job Fair

Region I hosted a Job Fair on Saturday, January 12, 1991. Approximately 20 candidates were interviewed, in engineering and health physics disciplines. Representatives from DRMA, DRSS, DRS and DRP screened the applicants, and approximately five candidates were referred for further evaluation and interviews. One offer of employment has been extended. Advertisements were only placed in local newspapers to announce the Job Fair, yet the effort was considered a success.

2. Planning for FFE III

A meeting of representatives from FEMA Headquarters, FEMA Region III, AEOD, NRC Region I, Pennsylvania Power and Light Company, and Pennsylvania Emergency Management Agency was held on January 10, 1991 at FEMA Headquarters to discuss plans for the next Federal Field Exercise (FFE III), which is currently planned for early 1993 at the Susquehanna site. FFE's are held periodically to permit the various federal, state and local agencies that would be involved in an actual nuclear facility incident response to practice, clarify and train in their roles. Previous exercises were held at St. Lucie (Florida) in 1984 and at Zion (Illinois) in 1987. During the January meeting, discussions focused on determining the NRC representation on the various working groups necessary for planning and conducting the exercise.

3. Pilgrim

On January 11, 1991, at 8:07 p.m., a small smoldering fire on the turbine building roof required the declaration of an Unusual Event. The fire was the result of welding reinforcing brackets on a fan housing. Assistance from the Plymouth Fire Department was required to extinguish the smoldering roofing material. At 10:00 p.m., the Unusual Event was terminated. No injuries or offsite radiological releases occurred. Several inquiries have been received by the media.

Region II  
Items of Interest  
Week Ending January 18, 1991

1. Tennessee Valley Authority

On January 15, NRR and Region II staff met at HQs with TVA, to discuss technical issues pertaining to Watts Bar. The Regional Administrator was in attendance.

On January 17, members of the TVA Projects staff and Headquarters staff met with TVA to discuss the technical position papers on Bellefonte that TVA plans to submit for NRC review.

2. Nuclear Fuel Services, Inc. Enforcement Conference

On January 18, 1991, the Regional Administrator and other members of the Region II staff and Section Leader from the Office of Nuclear Materials Safety and Safeguards conducted an Enforcement Conference with the President and other representatives of Nuclear Fuel Services, Inc. Issues discussed included the chronology, cause and corrective actions and apparent violations associated with the November 1990 event where uranium-235 was inadvertently transferred in the high enriched uranium recovery system.

3. AEOD Training

AEOD conducted training in Region II on January 15-17, 1991, in the areas of offsite rad dose methodology and electronics mail procedures.

4. Carolina Power and Light Company - Robinson

On January 4, 1991, H. B. Robinson experienced a failure of its "B" feedwater isolation valve to close during testing. Licensee investigation into the valve failure revealed a clear hardened coating on the valve's "Open and Close" contactors in the associated Motor Control Center (MCC). Once the coating was removed, the valve functioned properly. Further investigation identified a green liquescent substance on the contactor housings which was coming out of the power supply wires that go from the valve's associated MCC breaker to its "Open and Close" contactors. Inspection in other MCCs found varying degrees of this phenomena. The Harris Energy and Environmental Center identified the green liquescent substance as a vegetable oil plasticizer in the wire's PVC insulation. Analysis indicates that when in the liquid form, the green substance is a conductor. However, when dried, it may be either a conductor or insulator depending upon the amount of copper oxide salts dissolved in the material. The licensee has concluded that the valve failure was brought about by the plasticizer migrating onto the valve's contactors and hardening in place.

The affected MCC compartments (Size 1) were manufactured by Westinghouse in the 1962 timeframe. The wire of interest is black and is marked as

machine tool wire - 105° (AWG #12). However, records review to date has not identified the wire manufacturer(s), and Westinghouse has since transitioned to a wire with a different insulating material. The licensee has identified 106 MCC compartments that will undergo cleaning and wire replacement. Presently, a special procedure is being developed to perform this task prior to restarting the unit from its present outage.

Region III  
Items of Interest  
Week Ending January 18, 1991

1. Clinton Power Station

On January 15, 1991, Mr. A. Bert Davis, Regional Administrator, and Dr. Carl J. Paperiello, Deputy Regional Administrator, met with Messrs. L. D. Haab, President, Illinois Power Company, and J. S. Perry, Vice President, Illinois Power Company, at the Region III office to discuss licensee performance and the NRC's approach to regulation of operating reactors.

Dr. Carl J. Paperiello, Deputy Regional Administrator, and Mr. William F. Forney, Deputy Director, Division of Reactor Projects, and other members of the NRC staff met with Mr. J. S. Perry, Vice President, Illinois Power Company, and members of his staff for a routine management meeting on December 16, 1991, at Clinton Power Station. The agenda topics included: progress made on 1990 initiatives and new initiatives to be undertaken in 1991; refueling outage status, radiation exposure, and modifications; and new engineering program results.

2. Northern States Power Company

Mr. L. B. Marsh, Director, Project Directorate III-1, NRR and other Region III and NRR staff members visited the Monticello and Prairie Island Nuclear Plants and the licensee corporate office on January 16 and 17, 1991, to discuss licensing issues, perform plant familiarization tours, and introduce newly-assigned Licensing Project Managers.

3. LaSalle County Nuclear Station

On January 17 and 18, 1991, Karen Field, Senate Energy and Environment Committee, visited the site. The major focus of the visit was to learn more about the INPO evaluation process. She was accompanied by Wayne Hollinger of INPO and escorted by the licensee.

Region IV  
Items of Interest  
Week Ending January 18, 1991

1. Western Stress, Inc. Suspension of Radiography

Western Stress, Inc., a NRC licensee headquartered in Houston, Texas, reported that because of a general lack of confidence in their personnel who conduct radiography out of their field office in Pennsauken, New Jersey, such activities dispatched from that office will be temporarily suspended until management and other staff changes are completed. The licensee's radiography work in the vicinity of that field office will be performed by personnel dispatched from their field office in Richmond, Virginia.

NRC is continuing their review of this licensee in regard to a radiography incident that occurred on October 5, 1990, when a licensee radiographer dispatched from that field office failed to perform a survey and wear personal dosimetry when a radiography source disconnected.

2. Meeting at NRC's URFO Office January 15-16, 1991

Region IV's Director, Division of Radiation Safety and Safeguards (DRSS) met with NRC personnel at the Uranium Recovery Field Office (URFO) on the 15th and 16th. Discussions included URFO inspection activities at Sequoyah Fuels Corporation (SFC), the environmental issues related to SFC, and division-related topics.

3. Meeting with Petrotomics

Representatives of Petrotomics Company met on January 17, 1991, with NRC-URFO to discuss modifications to the ground-water corrective action plan for the Shirley Basin mill site, located in Wyoming. The licensee requested the meeting to discuss feasibility and procedures for implementing an Alternate Concentration Limit program to comply with ground-water protection standards at this site.

4. Issuance of Licenses for Two In-Situ Uranium Production Facilities

On December 21, 1990, the Uranium Recovery Field Office, Region IV, issued new source material licenses to Uranerz USA, Inc., for the construction and operation of two commercial scale in-situ uranium mining and production facilities. The Ruth and North Butte facilities are located in Wyoming, and are to be successors to the research and development project completed at the Ruth site. No schedule for operation of the facilities is as yet available.

5. Sequoyah Fuels Corporation

Sequoyah Fuels Corporation experienced two nonreportable, unusual events on January 16, 1991. In one event, a small fire occurred when welding slag dropped on a small plastic bag covering the end of a pipe. The other event

involved a small spill of a uranium solution. Both unusual events were terminated in a few minutes. Neither event resulted in contamination of personnel or the environment.

The licensee also described two events involving small amounts of contaminated water, which occurred on January 3 and 4, 1991. In one event, while cleaning a hydrogen burner, rain caused 1 or 2 gallons of water (33 grams uranium per liter) to contaminate a floor. In the other event, a worker found a puddle of contaminated liquid (8.4 grams uranium per liter) on a roadway in the restricted area. The source of the puddle has not been determined. The failure of the licensee to recognize these events until January 16 revealed a continuing problem related to the communication of information within the licensee organization.

Region V  
Items of Interest  
Week Ending January 18, 1991

1. Trojan Nuclear Power Plant

A management meeting with Portland General Electric Company was held on January 17, 1991 at Portland, Oregon. NRC attendees included: J. Martin, Regional Administrator, B. Boger, Director, Division of Reactor Projects III/IV/V; and J. Dyer, Project Director, PDV. Topics for discussion included Trojan improvement plans and work control center improvements.

Office of the Executive Director for Operations  
Items of Interest  
Week Ending January 18, 1991

Proposed Rule to be Signed by EDO

On January 16, 1991, the Executive Director for Operations approved a proposed rule which would amend 10 CFR §50.55a, Codes and Standards. The proposed rule would update the references that incorporate the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) to include the 1986 Addenda, 1987 Addenda, 1988 Addenda, and 1989 Edition of Section III, Division 1, and Section XI, Division 1, with a specified modification. The proposed modification would retain certain leak rate analysis requirements, that would be eliminated by the 1988 Addenda and 1989 Edition of Section XI, for the inservice testing of containment isolation valves that do not provide a reactor coolant system pressure isolation function.

In addition to incorporating the noted addenda and edition with the specified modification, the proposed rule would include an augmented reactor vessel examination. The proposed augmented reactor vessel examination would require operating plants to implement, prior to the time required by normal updating of the inservice inspection program, the provision in the 1989 Edition to examine essentially 100% of the length of all reactor vessel shell welds during the 2nd, 3rd, and 4th inspection intervals. The staff has determined that such an augmented examination is justified because many licensees have performed only very limited examinations of their reactor vessel, and because recent information shows reactor vessel materials to be more vulnerable to degradation than previously thought.



ITEMS ADDRESSED BY THE COMMISSION - WEEK ENDING JANUARY 18, 1991

A. STAFF REQUIREMENTS - BRIEFING BY NRC TECHNICAL TRAINING CENTER, 1:30 P.M.,  
WEDNESDAY, JANUARY 3, 1991, COMMISSIONERS' CONFERENCE ROOM, ONE WHITE FLINT  
NORTH ROCKVILLE, MARYLAND (OPEN TO PUBLIC ATTENDANCE) - SECY to James M.  
CLYDE, EDC dated 1/16/91

The Commission was briefed by the NRC staff on the Technical Training Center. The Commission requested consideration of several items and further information as described below.

The Commission encouraged direct incorporation, where appropriate, of the Principles of Good Regulation, as articulated in the Five Year Plan, into the training curriculum. To what extent does the Regulatory Philosophy Refresher Course include the Commission's Principles of Good Regulation?

The Commission expressed a need to strengthen agency training in areas related to effective communication. The ability to communicate should become an integral part of the NRC culture in a manner similar to the current risk-based culture. The staff should integrate communications training into TTC courses and other NRC training courses and advise the Commission on progress in this area.

The Commission requested further information on the projected date to have the new CE simulator in place.

The Commission suggested that course critiques be followed up with a questionnaire to the student's supervisor 3 months after course completion to determine the usefulness of the training received by the student. If an equivalent feedback mechanism is already in place, the staff is requested to provide this information to the Commission.

Chairman Carr requested an update of the status of training on criticality safety.

Chairman Carr inquired about the formulation of training to support new rules recently adopted by the Commission. Of particular interest is the development of training to support the new 10 CFR Part 20.

Commissioner Remick requested the staff to incorporate information in its training programs on the relationship of risk associated with NRC-regulated activities to other routine activities, and to incorporate information on the Commission's safety goals.

Commissioner Remick requested the staff to provide further information on the non-power reactor inspector qualification program. Specifically, what kind of training is being provided; what new requirements are under consideration; and is it being contracted out and if so please provide information on contractor qualification.

Commissioner Remick stated that the staff should seek to abide by the same principles of the systems approach to training and the same standards of simulator certification it expects of its licensees, to the extent that these principles and standards apply to the staff's training programs.

JANUARY 18, 1991

NRR MEETING NOTICES

January 18, 1991

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
01/22/91 9:00-11:00	50-305	One White Flint North Room 4B-13	Meeting with Wisconsin Public Service Corp. to discuss KeWaunee steam generator mid-cycle report.	NRC/WPSC	M. Davis
01/22/91 9:30-12:00	None	One White Flint North Room 2F-17	Meeting with Westinghouse Electric Corp. to discuss 10 CFR 50.46 Error Reporting.	NRC/WEC	M. Caruso
01/22-24/91 8:30-5:00	None	One White Flint North Room 6B-11 2F-21 (Wed.)	Meeting with NUMARC to discuss the resolution of NRC staff comments on the Industry Reports for BWR Reactor Pressure Vessel & BWR Reactor Vessel Internals.	NRC/NUMARC	R. Parkhill, Sr.
01/22/91 10:00	None	Region I Office, DRP Conference Room King of Prussia, PA	Systematic Assessment of Licensee Performance (SALP) Board Meeting.	NRC/PPLC	P. Swetland
01/23/91 9:00-4:00	50-336	One White Flint North Room 2F-17	Meeting with Northeast Utilities to discuss the Millstone 2 Steam Generator Replacement program.	NRC/NEU	C. Vissing
01/24/91 8:30	50-247	One White Flint North Room 8B-11	Meeting with Consolidated Edison to present the basis for current causes for the cracking of Indian Point 2 steam generator girth weld.	NRC/CE	F. Williams

\* 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 9

## NRR MEETING NOTICES

January 18, 1991

DATE/TIME	NUMBER	LOCATION	PURPOSE	APPLICANT ATTENDEES	NRR CONTACT
01/24/91 8:30	50-302	One White Flint North Room 14H-20	Meeting with Florida Power Corp. to discuss licensing status & mgmt. review at CR-3.	NRC/FPC	H. Silver
01/24/91 8:30-11:30	50-321 50-366	One White Flint North Room 2F-17	Meeting with Georgia Power Co. on water chemistry - Hatch Nuclear Plant.	NRC/GPC	K. Jabbour
01/24/91 9:00-12:00	50-443	One White Flint North Room 11B-13	Meeting with New Hampshire Yankee/Seabrook to discuss the Status of licensing issues.	NRC/NHYS	G. Edison
01/24/91 9:00-12:00	50-220 50-410	One White Flint North Room 12B-13	Meeting with Niagara Mohawk Power Corporation to discuss issues for Nine Mile Point.	NRC/NMPC	D. Brinkman
01/29/91 8:00-12:00	50-275 50-323	One White Flint North Room 4B-13	Meeting with Pacific Gas & Elect. Company.	NRC/PG&E	H. Rood
01/29/91 1:30-4:00	None	One White Flint North Room 2F-17	Meeting with Westinghouse Owners Group to resolve the primary safety valve setpoint shift issue.	NRC/WOG	M. Caruso
01/31/91 1:30-4:30	None	One White Flint North Room 10B-11	Meeting with WOG on steam generator tube bundle uncover.	NRC/Wt/WOG	K. Desai

JANUARY 18, 1991

ENCLOSURE 9

JANUARY 18, 1991

January 18, 1991

NMSS Meeting Notices

Division of Low-Level Waste Management and Decommissioning

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/Applicant</u>	<u>NRC Contact</u>
1/23-25		San Diego, CA	To Attend and Participate in the LLW Forum Meeting	NRC	P. Lohaus
1/29-30		Boston, MA	To attend and make presentation at a public meeting in Grafton, MA, on Wyman-Cordon Groundwater Sampling	NRC	T. C. Johnson
1/31-2/1		Cleveland, OH	To visit Chemetron Corporation site and participate in the Village of Newburgh Heights Public meeting	NRC Chemetron	T. C. Johnson
2/1-7		Las Vegas, NV	To attend and participate in DOE Low-Level Radiation Waste Performance Assessment visit to Beatty Low-Level Waste site	NRC DOE	F. Ross

ENCLOSURE 0

Division of Safeguards and Transportation

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
01/24 8:30 a.m.	71-43	OWFN	Nuclear Fuel Services licensee quarterly visit to discuss physical security status	S. Johnson J. Stout NRC	C. Gaskin
01/30 9:00 a.m.	70-734	General Atomics (GA) La Jolla, CA	To discuss physical security during the decommissioning of the GA facility & Cat II security plan	Dr. K. Asmussen NRC	C. Gaskin

Division of Industrial and Medical Nuclear Safety

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/12		Tucson, AZ	To discuss NRC Requirements on Import of Irradiated Gems	NRC Representatives of Gem Trade Association	J. Hickey

Division of High-Level Waste Management

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
1/29-31		Holiday Inn 8120 Wisconsin Avenue Bethesda, MD	To discuss DOE's Calico Hills Risk-Benefit Analyses and the Exploratory Shaft Facility Alternatives Study	NRC DOE State of Nevada, Affected Units of Local Government	K. Stablein

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ENCLOSURE 0

<u>RES Meeting Notices</u>					
<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/Applicant</u>	<u>NRC Contact</u>
<u>Division of Regulatory Applications</u>					
2/7-8/91		Residence Inn San Mateo, CA	The NRC plans to convene a public meeting with representatives of Agreement States to discuss a proposed rule, draft regulatory guide, and other applicable guidance concerning quality assurance in the medical use of byproduct material.	NRC/Public	A. Tse 492-3797
2/12-13/91		Woodfin Suites Hotel Rockville, MD	Irradiator Rule Workshop. The public is invited to discuss a proposed rule on large gamma irradiators published on December 4, 1990. (55 FR 50008).	NRC/Public	S. McGuire 492-3757

JANUARY 18, 1991

January 18, 1991

Office for Analysis and Evaluation of Operational Data

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
01/22-23		RV	ERC Workshop	Hqts., Regional Rep.	Eric Weinstein
01/23		Hall of States	Quarterly meeting of FRPCC	AEOD, Other Federal Agencies	Lee Speasard
01/29		OWFN	State Liaison Counterpart Meeting	IRB, State Liaison Officers	Eric Weinstein
01/30		DOT	NRT Training meeting to discuss training of offsite responders to hazardous materials accidents	IRB, Federal Agencies	Rosemary Hogan
01/31		DOT	NRT Training	IRB, Federal Agencies	Rosemary Hogan
02/26		RIV	Regional Assessment	AEOD, RIV	Eric Weinstein
03/13		RII	Regional Assessment	AEOD, RII	Eric Weinstein
03/20		Operations Center	St. Lucie Exercise	Utility, State, IRB	Don Marksberry

ENCLOSURE 0



Region I Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
01/29-30/91 1:30pm 9:00am	50-245 336/423	Region I	SALP Board Meeting NNEC - Millstone	Selected NRC Staff Members	Haverkamp
01/29/91 10:00 a.m.	50-244	Region I	Enforcement Conference RG&E - Ginna	Selected NRC Staff Members & Licensee	McCabe
02/14/91 10:00 a.m.	50-334 50-412	Region I	SALP Board Meeting DLC - Beaver Valley	Selected NRC Staff Members	Ruland

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Region III Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees Applicant</u>	<u>NRC Contact</u>
01/29-31/91		Region III	Resident Inspector Seminar	Regional Administrator, Director, Division of Reactor Projects, Resident Inspectors and selected members of RIII Staff	Miller
01/31/91 9:00 a.m.	50-331	Region III	Iowa Electric Company, Duane Arnold - Management Meeting	Licensee, Regional Administrator and selected members of RIII Staff	Davis
01/31/91 2:00 p.m.	50-295 50-304	Zion	Commonwealth Edison Company, Zion - Systematic Assessment of Licensee Performance Presentation	Licensee, Regional Administrator and selected members of RIII Staff	Miller
01/31/91 7:00 p.m.		Newburgh Heights, OH	Public Meeting to Discuss Decontamination at the Chemetron site, Newburgh Heights, OH	Licensee, Director, Division of Radiation Safety and Safeguards, and selected members of NMSS and RIII Staffs	Lickus
02/01/91 10:00 am	50-315 50-316	Region III	Indiana Michigan Power Company, D. C. Cook - Management Meeting	Licensee, Regional Administrator and selected members of RIII Staff	Miller
02/06/91 10:00 am	50-346	Region III	Toledo Edison Company, Davis-Besse - Management Meeting	Licensee, Director, Division of Reactor Projects and selected members of RIII Staff	Miller

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JANUARY 18, 1991

Region III Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees Applicant</u>	<u>NRC Contact</u>
02/07/91	50-440 50-441	Headquarters	Cleveland Electric Illuminating Co., Perry - Management Meeting	Licensee, Regional Administrator and selected members of Headquarters and RIII Staffs	Miller
02/14/91 9:00 am	50-483	Region III	Union Electric Co., Callaway - Management Meeting	Licensee, Regional Administrator and selected members of RIII Staff	Miller

ENCLOSURE 9

Region IV Meeting Notice

January 18, 1991

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
1/28/91 2:00	50-382	Region IV	Enforcement conference - Waterford 3		T. Westerman
1/30/91 12:30	50-482	Region IV	Enforcement conference - Wolf Creek		W. Jones
1/31/91 10:00	50-458	Region IV	Enforcement conference - River Bend		R. Azua

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Region V Meeting Notice

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/5-7/91	N/A	Denver, CO	Counterpart Meeting	R. Scarano, RV DRSS Division Directors	R. Scarano
2/6/91	N/A	Region V	Mr. J. Sniezek visit Region V	J. Martin	B. Faulkenberry
2/12-13/91	N/A	Honolulu, HI	Hearing - Fewell Geotechnical/Murray	Wenslawski Skov	Wenslawski
2/13/91	50-528 50-529	Palo Verde	Palo Verde SALP meeting	J. Martin R. Zimmerman Appropriate Personnel	H. Wong

ENCLOSURE Q