

For PDR

February 10, 1994

For: The Commissioners  
From: James L. Blaha, Assistant for Operations, Office of the EDO  
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING FEBRUARY 4, 1994

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\*No input this week.

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Office of Nuclear Reactor Regulation  
Items of Interest  
Week Ending February 4, 1994

Fermi-2

Last week, Fermi 2 experienced a 57 minute loss of shutdown cooling and a 20 minute fire in an elevator shaft. Neither had adverse safety consequences.

On January 27, 1994, at 1:05 p.m., a loss of offsite power to Division I occurred causing a loss of the Division I reactor protection system (RPS) motor-generator (MG) set. This in turn caused a Group IV isolation signal and a loss of shutdown cooling. The inboard suction valve for shutdown cooling closes as part of the Group IV isolation. The area had been experiencing an ice storm with freezing rain at the time. Shutdown cooling was restored after 57 minutes by restoring power to the RPS MG set, clearing isolations and filling/venting the RHR pump in service for shutdown cooling. The RCS temperature increased 15 degrees F during this time. Fermi's Group IV isolation scheme is a generic BWR design.

On January 29, 1994, at 6:54 a.m., a fire occurred in the turbine building passenger elevator shaft. The fire was extinguished at 7:14 a.m. by the licensee's onsite fire brigade. The licensee declared an Unusual Event because the fire duration was greater than 10 minutes. One security guard (assisting the brigade) suffered smoke inhalation and was transferred offsite by ambulance.

The fire was caused by two elevator power cables in the shaft rubbing together. The cloth fire protection wrapping on the cables was degraded due to oil/water contamination from the December 25, 1993, turbine failure. The elevator was empty at the time and no plant safety systems were affected by the fire. The licensee terminated the Unusual Event at 7:53 a.m. and later issued a press release.

Fermi-2: Update On the December 25, 1993 Turbine Failure

The licensee is working to clean up water in their condensate storage tank in preparation for discharge later this week. The licensee plans to remove the hood of the No. 3 low pressure turbine over the weekend for inspection. Reactor coolant has been restored to Technical Specification chemistry limits, although conductivity readings are still slightly higher than normal. The majority of water in the turbine and radwaste building sumps has been pumped to the hotwell.

Proposed Organization

Arizona Public Service (APS) has proposed the first phase of a reorganization under the Executive Vice President, Nuclear. Reporting to the Executive Vice President (VP), Nuclear will be the VP Nuclear Production, VP Quality and Regulatory Affairs, VP Nuclear Engineering, Director Nuclear Support, and Director Human Resources. Reporting to the VP Nuclear Production will be the Directors of Operations, Maintenance, Outage, Radiation Protection, Chemistry, and Water Reclamation Facility. Reporting to the VP Quality and Regulatory

Affairs will be the Training Director, Nuclear Licensing Manager, Quality Assurance Director, Security Manager, and Environmental and Industrial Safety Manager. Reporting to the VP Nuclear Engineering will be Systems Engineering Director, Nuclear Fuels Director, Design Engineering Director, Computer Services Manager, Nuclear Records Manager, and Steam Generator Manager. This first phase of the reorganization has been approved by the APS President, but has not yet been implemented.

#### Palo Verde Steam Generator Tube Inspection

Palo Verde Unit 2 began its mid-cycle steam generator eddy current inspections and secondary side chemical cleaning on January 8, 1994. As of February 2, 1994, the eddy current inspections were partially complete.

Chemical cleaning of steam generator No. 1 is complete; the licensee is currently performing chemical cleaning of steam generator No. 2. Eddy current testing will continue following the completion of the chemical cleaning.

#### New York Power Authority (NYPA)

On January 31, 1994, Mr. Ralph Beedle resigned from his position as Executive Vice President - Nuclear Generation at the New York Power Authority (NYPA). Mr. Beedle cited "personal reasons" as his reason for resigning from NYPA. Mr. William Josiger, Vice President - Nuclear Operations, will serve as Acting Executive Vice President - Nuclear Generation until a successor to Mr. Beedle is selected.

#### McGuire Units 1 & 2 - Operating Status and Steam Generator Tube Leak

On Sunday, January 23, 1994, Unit 1 shut down because of a 104 gpd steam generator (SG) tube leak. An inspection revealed that one of the tubes (11-75) in the "D" SG had a steady stream leak at the sleeve to tube kinetic weld. The failure appeared to be circumferential and in the parent tube. The circumferential character is similar to a previous SG tube failure that occurred in the Unit 1 "A" SG on August 21, 1993. This "A" SG tube failure resulted in a 170 gpd tube leak.

As a result of the initial inspection, the licensee has decided to pull tube 11-75 and its sleeve to do a detailed metallurgical examination. Furthermore, the licensee has decided that since they intend to install new SGs in about 18 months, and since the reactor is shutdown, the licensee will plug the 724 sleeved tubes in the Unit 1 SGs.

The decision on what to do with the sleeved tubes in the Unit 2 SG will be influenced, in part, by the information that will be gained from the "D" SG pulled tube and sleeve detailed exam. The licensee notes that in October 1993, they removed from service (by plugging) all those SG tubes which could not be restrained from lifting off the sleeve if a failure should occur. This action was taken to guard against a large tube leak resulting from failure of the unrestrained parent tube at the sleeve/parent tube weld. The licensee considered that restrained tubes would have a limited leakage based on the

restricted opening between the parent tube and sleeve. Further, the licensee considers that any leakage from the restriction during power operation would immediately be known from the alarms of the N-16 monitors, condenser off-gas radiation monitor, and the SG blowdown radiation monitor.

The licensee plans to plug the tubes in Unit 1 SGs and be on line by February 18, 1994. Region II, the residents, and headquarter's staff are following the licensee's activities closely. The staff will continue discussions with the licensee on their inspection results and future actions prior to the Unit 1 reactor start-up commencing.

Unit 2 is at 100% power and has been on line 26 consecutive days.

Note: The staff has been reviewing the generic implications of the SG sleeved tube leaks. Four other units, with B&W kinetically installed sleeves, have reduced primary to secondary leak rate limits. The staff investigations of generic implications will continue.

#### Accident Management

The NRC staff has prepared a formal response to NUMARC regarding the acceptability of the proposed industry initiative on accident management (November 2, 1993, NUMARC letter) and it is presently undergoing internal review. The dispositioning of staff comments on the PWR Severe Accident Management Guidelines (SAMG), and the acceptability of the two severe accident related methodologies developed by the BWROG will also be addressed in this response. An internal coordination meeting involving the Division of System Safety Analysis, the Division of Reactor Controls and Human Factors, and AEOD was held on February 1, 1994, to discuss the proposed response. A meeting with NUMARC and the owners groups was held on February 3, 1994, to discuss the disposition of NRC comments on the PWR owners group SAMG documents, and NRC feedback on the proposed industry initiative on accident management.

#### Sandia National Laboratories

The third of six experiments to investigate glow plug igniter initiated combustion in a rapidly condensing steam environment was conducted on January 27, 1994, at Sandia National Laboratories. A stoichiometric mixture of hydrogen and air ( $\approx 29\% \text{ H}_2$ ), which is greater than the most severe condition anticipated for an evolutionary design, was inerted with steam and sprays were actuated. Preliminary examination of the results suggest that igniters initiated combustion when the steam concentration, as a result of spray operation, was reduced to approximately 50%. This combustion resulted in a pressure increase of approximately 6.2 bar. RES has concluded that the test demonstrates that, with igniters, the most severe conditions which could arbitrarily be postulated to exist still do not result in flame acceleration or detonation. Instead these conditions produce a slow deflagration. The Containment Systems and Severe Accident Branch is coordinating with RES on the test matrices for the remaining experiments which should include stratified tests and tests with one igniter location.

### Large Gas Bubble in RCS at Sequoyah Unit 1

On January 28, 1994, NRR and Region II staff, including the Regional Administrator, were briefed by TVA on their investigation of gas intrusion in the reactor coolant system (RCS) at Sequoyah, Unit 1. The condition was first recognized on December 17, 1993, during a containment integrated leak rate test. At that time, the plant was in Mode 5 with water level at 60% in the pressurizer, the reactor vessel head secured, and the RCS vented to the containment via the power operated relief valves and primary relief tank. As the containment was pressurized during the test, pressurizer level decreased and 8000 gallons of make-up were added to compensate for the drop in level. When the containment was depressurized, it was necessary to letdown approximately 8000 gallons to maintain water level at 60% in the pressurizer. Prior to and during this test the operators had only pressurizer level indication available to them. The reactor vessel level indicating system was functional, but not available because procedures for its use did not exist for conditions other than reduced inventory. Subsequent investigation by the licensee over the past several weeks has revealed that a substantial volume of gas resided in the reactor vessel upper head and steam generator tubes in all four steam generators resulting in vessel water level being at the top of the hot leg while pressurizer level indicated 60% in the pressurizer. The licensee has determined that the source of the gas was the nitrogen cover gas in the volume control tank (VCT). The VCT was being maintained at a temperature substantially less than the RCS (as much as 50 degrees F in early December) which increased the solubility of nitrogen in the VCT over that in the RCS. Consequently, nitrogen gas was coming out of solution in the RCS. The rate of gas evolution and coolant expulsion was relatively low compared to normal mass changes managed with letdown and make-up and was not noticed. However, over a period of several months the gas volume in the RCS grew to a large size. An Information Notice on this event is being considered.

### U.K. Nuclear Installations Inspectorate Officials to Visit

Mr. Lawrence Williams, Deputy Chief Inspector, Nuclear Installations Inspectorate (NII) of the United Kingdom, will be visiting NRC headquarters, Region IV and the South Texas Project (STP) nuclear plant starting February 7, 1994. The objective of the visit is to learn about the NRC headquarters and Regional management philosophy on new plant startups, including controls and precautions regarding equipment taken out of service for testing during the startup. The application of the 2514 inspection program, and the role of region-based and resident inspectors during initial plant startup will also be discussed. Mr. Williams will be accompanied by Dr. Janet Wilson, Principal Nuclear Inspector also with the NII. The visitors will also travel to the STP site to observe licensee and NRC site activities during plant restart following an extended outage. Information gathered during this trip will be incorporated into NII inspection activities during the initial startup of the Sizewell plant, scheduled for the summer of 1994.

Office of Nuclear Material Safety and Safeguards  
Items of Interest  
Week Ending February 4, 1994

Meeting Regarding Safeguards Assistance to Ukraine

On January 31, 1994, NMSS staff met with Dr. Nikolai Steinberg, Chairman, State Committee for Nuclear and Radiation Safety, Ukraine, to discuss materials control and accounting (MC&A) and physical protection assistance to Ukraine. Dr. Steinberg indicated his preference for a small U.S. delegation (5 or 6 people) to participate in the technical working group (TWG) meeting to discuss the MC&A program plan under the Safe and Secure Dismantlement (SSD) initiative. He stated that the Ukrainians were ready to identify model facilities and discuss physical protection needs. Staff is currently coordinating with the SSD MC&A subgroup to prepare for a late February TWG meeting in Kiev.

Louisiana Energy Services

The public comment period for the Draft Environmental Impact Statement (DEIS) on Louisiana Energy Services' proposal to build an enrichment facility ended on January 25, 1994. The staff has received 525 letters regarding the DEIS, including 165 letters from residents of the State of Louisiana. Comments ranged from total opposition to the facility to complete support. The staff will consider these comments in preparing the Final Environmental Impact Statement, which is scheduled for completion in August 1994.

American Society of Civil Engineers Seminar

Staff from the Division of Low-Level Waste Management and Decommissioning (LLWM) attended an American Society of Civil Engineers (ASCE) seminar on January 27, 1994. The seminar was composed of several speakers from the engineering and earth science professions, and focused on environmental and geotechnical considerations in site characterizations. A speaker from the National Institute of Standards and Technology presented a pictorial reconnaissance survey of highway, bridge, and building damage from the January 1994 Northridge, California earthquake. The presenter also indicated that damage surveys were continuing for other structures such as aqueducts, earthen dams, and landfills. Information from these surveys on the performance of earthen structures of similar design to facilities currently under review in LLWM will be reviewed by the staff of the Division.

Audit of Raytheon Services Nevada

Division of High-Level Waste Management quality assurance (QA) staff observed a U.S. Department of Energy, Office of Civilian Radioactive Waste Management (OCRWM), Yucca Mountain Quality Assurance Division audit of the Raytheon Services Nevada (RSN) QA program January 24-28, 1994. The audit was conducted in Las Vegas, and at Yucca Mountain, Nevada. This audit evaluated the RSN QA program to determine whether it meets OCRWM requirements and commitments by verifying implementation and effectiveness of the systems in place, as well as verifying compliance with the requirements and commitments. The audit covered

15 QA programmatic areas and Computer Software, Sample Control and Field Surveying. This was the first OCRWM audit of a QA program that has been accepted by OCRWM as meeting the requirements and commitments of the revised OCRWM QA program guide, "Quality Assurance Requirements and Description," (December 18, 1992). The State of Nevada had an observer at this audit.

The NRC staff determined that the audit was effective and the audit team found that the RSN QA program had been adequately implemented in the areas audited. In particular, the audit was effective in establishing a baseline for implementation of the revised OCRWM QA program guide through RSN procedures.

Office of Nuclear Regulatory Research  
Items of Interest  
Week Ending February 4, 1994

Residual Radioactivity Criteria for Decommissioning

Copies of the staff's draft rule on radiological criteria for decommissioning and summaries of early comments received on this rulemaking, NUREG/CR-6156, were sent to NRC Agreement States, workshop participants, and other interested parties on January 27, 1994. A notice of availability of these documents was published in the Federal Register, and the documents were placed on the electronic bulletin board on February 2, 1994.

Workshop on the Performance and Modeling of Concrete for LLW Disposal

The Office of Nuclear Regulatory Research sponsored a technical workshop at the National Institute of Standards and Technology (NIST), January 31, 1994 through February 2, 1994, on the performance and modeling of concrete for LLW facilities. The purpose of the workshop was to discuss and disseminate the results and status of current research in the area of mechanistic degradation of concrete in the context of its use and long term performance in LLW applications. Topics that were covered at the workshop included the modeling of concrete degradation, the effects of joints and cracks in concrete and its impacts on flow through concrete, the use of admixtures, the properties of backfills and infills to retard radionuclide transport and quality management techniques for concrete. Over 30 speakers presented papers at the workshop, which was followed by a general discussion on performance assessments for LLW facilities. Participants included over 80 scientists and engineers from the NRC, the DOE National Laboratories, States and Compacts, NIST, Universities, contractors involved in LLW disposal, and representatives of disposal programs of other countries (UK, France, Canada, Switzerland and Spain were represented). Points that received extensive discussion included: the need for obtaining site data; the importance of monitoring barrier performance during operational and institutional control periods; quality control/management of construction for achieving acceptable long term performance; remediation policies in the programs of other countries.

Workshop on Reactor Pressure Vessel Thermal Annealing

Staff members from MEB/DE will be participating in a workshop on Reactor Pressure Vessel Thermal Annealing to be held on February 17-18, 1994 in Albuquerque, New Mexico. The workshop is sponsored by DOE, Sandia National Laboratories, and EPRI, and will be a forum for interested parties to discuss issues, relevant experiences and current activities related to: (1) potential benefits of thermal annealing for U.S. commercial reactors, (2) on-going technical research activities, (3) technical aspects of a generic, full scale, in-place vessel annealing demonstration, and (4) the impact of economic, regulatory, and technical issues on the application of thermal annealing technology to U.S. commercial nuclear plants. The staff plans to make a brief presentation on the status of current NRC research activities in this area.



Office for Analysis and Evaluation of Operational Data  
Items of Interest  
Week Ending February 4, 1994

Trends and Patterns Analysis Branch (TPAB)

The 1992 Accident Sequence Precursor (ASP) Report, NUREG/CR-4674, Vols. 17 and 18, was completed in December and distributed in the latter part of January. The number of precursor events identified this year (27) is similar to prior years (however, the cumulative conditional core damage probability is somewhat lower than the previous year). The distribution according to conditional core damage probability (CCDP) was as follows. No precursors were identified which had a CCDP on the order of  $1.0E-3$ . Seven precursors had a CCDP on the order of  $1.0E-4$  (ranging from  $1.6E-4$  to  $2.5E-4$ ). There were seven precursors with a CCDP on the order of  $1.0E-5$ . The remaining 13 precursors had a CCDP on the order of  $1.0E-6$ .

During 1992, there were relatively more precursors caused by electrical problems, such as loss of offsite power (LOOP) events, or loss of equipment (e.g., emergency ac power diesel-generators) needed to respond to LOOP events. LOOP or LOOP-related events dominated (17) the precursors identified for 1992. These types of events contributed to six out of the top seven precursors. Included among these LOOP events was the LOOP at the Turkey Point caused by Hurricane Andrew. The only non-LOOP-related event out of the top seven precursors was the reactor trip with a faulty pressurizer safety valve (LOCA initiator) which occurred at the Fort Calhoun plant in July 1992. Although there were a number of loss of annunciator events in 1992 that resulted in AITs, only the loss of main control board annunciator event at Callaway was identified as a precursor (with a CCDP of  $1.3E-5$ ). A large majority (23/27) of the precursors occurred at PWR plants.

The 1992 preliminary precursor evaluations were sent to licensees and appropriate NRC Headquarters and regional personnel for peer review. Comments were solicited on the correctness of the analysis depiction of equipment and capabilities, as well as on recovery actions that could be used by the plant operators in responding to postulated accident scenarios. The comments received from the peer review were evaluated by the ASP contractor, and, where justified, appropriate credit was given for the use of equipment or personnel actions during the recovery process. Credit was allowed if the identified equipment or actions were pertinent to the scenario of concern, adequate time was available, appropriate procedures existed for the recovery activity, and the operators had been trained in their use. This peer review process resulted in more realistic analyses documented in the report.

Rosemount Transmitter

The "Rosemount Transmitter Review Group Report on the Loss-of-Fill-Oil Issue" recommended that fill-oil leakage failures of specific Rosemount transmitters be monitored periodically over a two-year period. Subsequently, NRR requested AEOD assistance in addressing this recommendation. In response, the Trends and Patterns Analysis Branch completed a data search and screening review of loss of fill-oil failures of Rosemount transmitters reported to the Nuclear

Plant Reliability Data System (NPRDS) over the five-year period 7/1/88 to 6/30/93.

This effort focused on the failures of Rosemount transmitters due to loss of fill-oil which have occurred since the issuance of Bulletin 90-01, Supplement 1, in April 1991. In summary, it found that the number of loss of fill-oil failures per year experienced by the specific transmitter models addressed in the bulletin has decreased significantly since mid-1991. A total of 23 loss of fill-oil failures were reported during the period 4/1/91 - 6/30/93. This compares with 50 such failures reported during the first half of the period of interest. There were no instances of loss of fill-oil failure causing a loss of a safety system during the five-year period. This search and review will be updated on a semi-annual basis.

#### Preliminary Notifications

- a. PNO-I-94-008, Westinghouse Electric Corp, Missing Fixed Gauge Containing 100 Millicuries of Cesium 137.
- b. PNO-II-94-005, Alexandria Hospital, Brachytherapy Misadministration.
- c. PNO-III-94-02A, University of Cincinnati, Medical Misadministration Involving Leaking Iodine-125 Seed (Update).
- d. PNO-III-94-07, Commonwealth Edison Company (Dresden Unit 1), Spill of Approximately 68,000 Gallons of Service Water to the Dresden Unit 1 Containment.
- e. PNO-III-94-08, Fermi 2 (Detroit Edison Co.), Fire in Passenger Elevator Shaft.
- f. PNO-IV-94-002A, Department of the Air Force (Brooks Air Force Base, TX), Therapeutic Misadministration (Update).
- g. PNO-IV-94-002B, Department of the Air Force, Therapeutic Misadministration (Update).
- h. PNO-V-94-002, Agreement State Licensee (Shb Agra, Inc.), Stolen Portable Gauge.

Office of Administration  
Items of Interest  
Week Ending February 4, 1994

Contract Award

In accordance with the 8(a) procedures of the Small Business Act, a contract was awarded to ES, Incorporated on February 1, 1994. The contractor shall provide specialized conference planning services on a task order basis to assist the NRC, Office of Nuclear Reactor Regulation, in conducting the annual Regulatory Information Conferences and other small meetings, conferences and seminars. The award amount is \$170,977 and the period of performance is three years.

Significant FOIA Requests Received by the NRC For 5-Day Period of January 28 - February 3, 1994

Request for records regarding the hiring of law firms for the needs of the NRC. (Myles Raucher, Esquire, FOIA-94-46)

Request for a list of grants and contracts awarded by the NRC to state agencies in Tennessee from October 1, 1991 to the present. (Rachael Chioino, Fiscal Planning Services, Inc., FOIA-94-47)

Request for records between the NRC and the Nuclear Information & Resource Service regarding Thermo-Lag fire barriers. (Karen Unnerstall, Newman & Holtzinger, P.C., FOIA-94-48)

Request for records regarding the Knolls Atomic Power Laboratory and its affiliate, the Kenneth A. Kesselring Site. (Yancey Roy, Albany Times Union, FOIA-94-49)

Request for copies of specified nuclear pharmacy licenses. (David Boudreaux, FOIA-94-51)

Request for a copy of those portions of the contract with the National Academy of Sciences for the review of the medical use program. (Joseph Felton, Nuclear Licensing Reports, FOIA-94-52)

Request for records regarding Isomedix, Inc., New Jersey. (Paul Schafhauser of Berger & Bornstein, FOIA-94-53)

Office of Small and Disadvantaged Business Utilization and Civil Rights  
Items of Interest  
Week Ending February 4, 1994

House Small Business Procurement Subcommittee Hearings

On February 1 and 2, 1994, a member of the SBCR staff attended a hearing conducted by Representative James Bilbray, Chairman of the House Small Business Procurement Subcommittee where he solicited views on several bills dealing with acquisition reform measures (H.R. 3586, H.R. 2238, and S.1587).

The major issues affecting small business which would impact NRC if passed, include the following:

- o increasing the small purchase threshold from \$25,000 to \$100,000,
- o the creation of a government-wide electronic commerce procedures,
- o exemptions from socio-economic and small business requirements under \$2,500,
- o extending to all procurement agencies the authority to establish set-asides for small disadvantaged business, and
- o direct contracting with 8(a) firms by federal agencies.

Black History Month Program

The first of two scheduled Black History Month Program observances was held on February 3, 1994 in the Commissioners' Hearing Room. The theme for this year's celebration is "Empowering African American Organizations: Present and Future." The program was opened with an enthusiastic welcome by Lardelia Maupin, President of the NRC Chapter of Blacks In Government. Music was provided by the BIG Choir which was impressive in presentation as well as presence with the ladies wearing very colorful kinte cloth scarfs and the gentlemen wearing colorful bow ties and kerchiefs.

The Guest Speaker was Dr. Kenneth Olden, Director, National Institute of Environmental Health Sciences, National Institutes of Health. He is the first African-American to become director of one of the National Institutes of Health. Dr. Olden shared stories of his impoverished upbringing during the pre-civil rights era. The story of how he and his six siblings walked several miles to school when the school bus stopped only 100 feet from his home was very typical of many of the African American's in the audience who grew up in the south during this period of time.

Dr. Olden impressed upon the audience, however, that this and similar experiences helped to build character, compassion and the values that have helped to make him the person he is today. He shared his resolve to dedicate his life to becoming somebody who tries to make a difference for posterity in his community as well as in his professional life.

The Civil Rights Award was presented to Dr. John Larkins for his outstanding contributions to the agency in the area of civil rights and equal employment opportunity. For employees who missed the program, a videotape is available from SBCR. A copy will be sent to each region.

Office of Enforcement  
Items of Interest  
Week Ending February 4, 1993

Significant Enforcement Actions

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$2,500 was issued on January 31, 1994, to Lawrence County Medical Center, Ironton, Ohio. The action was based on 15 violations collectively representing a Severity Level III problem in the control of the licensee's radiation safety program. The civil penalty was initially escalated 50 percent because the NRC identified all of the violations. However, that escalating factor was offset by 50 percent mitigation for the licensee's prompt and extensive corrective actions. Therefore, on balance an adjustment was not made to the base civil penalty. (EN 94-006)

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$3,750 was issued on February 2, 1994, to Oakland General Hospital, Madison Heights, Michigan, for a Severity Level III violation involving a substantial failure to implement a quality management program for brachytherapy administrations in accordance with 10 CFR 35.32. The base civil penalty for a Severity Level III violation is \$2,500. The penalty was escalated 50 percent because the NRC identified the violation. The civil penalty was further escalated 100 percent for prior opportunity to identify; because, although the licensee's consultant initially identified deficiencies in the quality management program on June 29, 1993, the licensee did not submit an adequate program to the NRC until December 27, 1993. The base civil penalty was mitigated 100 percent for the licensee's good past performance. (EN 94-007)

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$375 was issued on February 4, 1994, to KCE Structural Engineers, Washington, D.C.. The action was based on one Severity Level III violation involving a failure to maintain access control to licensed radioactive material, as required by 10 CFR 20.17, which resulted in the material, a moisture density gauge containing 0.5 millicuries of cesium-137 and 10 millicuries of americium-241, being stolen from a pickup truck at the facility in November 1993. The gauge was found intact the next day in an alley near the facility without any damage to the gauge. The base civil penalty for a Severity Level III violation for this licensee is \$500. The penalty was mitigated by 25% since the violation was identified by the licensee. (EN 94-008)

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$6,250 was issued on February 4, 1994, to Cooper Medical Center, Camden, New Jersey. The action was based on a Severity Level III problem involving several violations that contributed to, or were related to, an overexposure of 21.7 rem to the hand of a nurse at the facility during the administration of phosphorus-32 to patients. The violations in the aggregate collectively represent a breakdown in the control of licensed activities. A \$6,250 penalty is proposed for this problem. The penalty was escalated by 50% based on the licensee's failure to take prompt and effective corrective actions once the

overexposure was identified, and an additional 100% based on the extended duration of some of the violations. (EN 94-009)

Civil Penalties Paid

Wayne County Department of Public Services, Detroit, Michigan, paid the civil penalty in the amount of \$1,250. The action was based on three Severity Level III violations associated with an event on July 7, 1993, in which a nuclear gauge fell off the back of a truck, and an event on August 16, 1993, in which a nuclear gauge was run over by a bulldozer. (EA 93-220)

Tennessee Valley Authority (Watts Bar & Sequoyah) paid the civil penalty in the amount of \$200,000. The action was based on multiple violations of discrimination which occurred over a five-year period of time. (EA 93-003)

Office of Consolidation  
Items of Interest  
Week Ending February 4, 1994

Second Building Status

During the week, mechanical and electrical work continued in the auditorium complex. Work began on the terrazzo floor in the auditorium mezzanine and construction of a new additional fire egress route from the auditorium continued. Haworth delivered eight tractor trailer loads of systems furniture to Floor 7 and is installing workstations on Floor 6. Transwall delivered one tractor trailer load of demountable walls to Floor 8 and is installing walls on Floors 7 & 8. The main telecommunications switch for the Operations Center was delivered to TWFN and carpet and systems furniture were installed in the Center. Finishing work is continuing in the Floor 2 ACRS Meeting Room and in the Floor 3 ASLBP hearing room and OP Training Center.

On February 1, the Director met with the developer's attorneys to discuss the issue of the commitment to use the plaza level for "retail" and whether or not the activities scheduled by the NRC for the plaza meet the criteria for retail.

Also on February 1, the plaza level design team made a presentation to the EDO of the proposed space layout for the plaza and the design directions the team is considering for the fitness center, cafeteria, and employee store.

In the February 2 plaza design team meeting, the Energy Federal Credit Union Chief Executive Officer commented on the plaza level credit union layout and design direction.

In the February 2 progress meeting, the NRC Security representative stated that guards will be posted in TWFN beginning February 7, 1994.

CONGRESSIONAL HEARING SCHEDULE

No. 51

OCA ASSIGNMENT	DATE & PLACE	TIME	WITNESS	SUBJECT	COMMITTEE
Kim	02/08/94 366 DSOB	9:30	Greta Dicus, Other Nominees	Uranium Enrichment Corp Board Nominees	Senators Johnston/Wallop Senate Ener & Natural Resources
Keeling	02/08/94 419 DSOB	10:00	Strobe Talbott	Confirmation as Dep Secretary of State	Senators Pell/Helms Senate Foreign Relations
Keeling	02/09/94 538 SDOB	2:00	Commerce, DOD, DOS, ACDA, DOE	Export Administration Reauthorization	Senators Sasser/Mack Intl Finance & Monetary Policy Senate Banking, Housing, and Urban Affairs
Kim	02/10/94 2318 RHOB	10:00	TBA	Human Radiation Experimentation	Reps. Lloyd/Fawell Energy House Science, Space, & Tech
Gerke	02/10/94 2261 RHOB	10:30	DOL	H.R. 1280, OSHA Revision	Reps. Murphy/Fawell Labor Standards, Occupational Health & Safety House Education & Labor
Callahan	03/01/94	TBA	OTA, GAO, Colorado, Ohio	Fedl Nuclear Facilities Act	Reps. Lehman/Vucanovich Energy & Mineral Resources House Natural Resources
Callahan	03/08/94	TBA	DOE, NRC, EPA, Defense Nucl Facil Safety Board	Fedl Nuclear Facilities Act	Reps. Lehman/Vucanovich Energy & Mineral Resources House Natural Resources
Keeling	03/09/94 2167 RHOB	9:30	TVA NRC	TVA's Nuclear Program	Reps. Borski/Inhofe Investigations & Oversight House Publ Works & Transp Rep. Clement (D-TN)/TVA Caucus
Madden	03/09/94	P.M.	NRC	User Fee	Senators Lieberman/Simpson Nuclear Regulation Senate Env & Publ Works
Madden	03/17/94	10:00	*NRC	NRC's FY95 Appropriation	Reps. Bevill/Myers Energy & Water Development House Appropriations

FEBRUARY 4, 1994

ENCLOSURE 0

Office of Congressional Affairs  
Items of Interest  
Week Ending February 4, 1994



FEBRUARY 4, 1994

Madden	March	TBA	Markup	S. 1165, S. 1162 (2.206 Judicial Review, NRC's Legis Pkg & Authorization	Senators Baucus/Chafee Senate Env & Publ Works
Combs	Spring Cheyenne Wyoming	TBA	NRC	Agreement State Program	Senators Lieberman/Simpson Clean Air & Nuc Regulation Senate Env & Public Works
Keeling	04/19/94 138 SDOB	2:30	Strobe Talbott	Approp--Aid to the Former Soviet Union	Senators Leahy/McConnell Foreign Operations Senate Appropriations

Other upcoming hearing possibilities by the Clean Air & Nuclear Regulation Subcommittee, for which dates have not been set: Low-Level Waste Compacts--including a field hearing in California; Nuclear Medicine.

\*A letter of invitation to this hearing has been received.

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Region I  
Items of Interest  
Week Ending February 4, 1994

1. Meeting with USDA

A meeting was held on February 1, 1994 in the NRC Region I Office to discuss the results of the assessment of the U.S. Department of Agriculture (USDA) Radiation Safety Program which was performed by Jupiter Associates also discussed was the development of the Performance Improvement Plan required by the Confirmatory Order issued to the USDA by the NRC on March 12, 1993.

The document "Assessment of the Radiation Safety Program at the U. S. Department of Agriculture" prepared by JUPITER Corporation and submitted to the NRC as required on January 14, 1994, was briefly discussed. The assessment document concludes that there is no health or safety need to require the USDA to cease activities with licensed material but does include over 150 recommendations for improvements in the management and tracking of licensed activities. The USDA is developing the Performance Improvement Plan using this assessment for guidance.

A draft of the Performance Improvement Plan outline and one expanded section reviewed during the meeting appear to be well organized and contain an appropriate level of detail. The USDA will continue to provide quarterly reports which describe completed tasks, and explain modifications of tasks and expected completion dates. The effect of the Performance Improvement Plan on the current license renewal application was also discussed. Both the broad scope license and the irradiator license have been in timely renewal since 1991, and review for both licenses is in progress. The USDA will continue to work with the NRC to complete the renewal process of these licenses during this year. Amendments to the renewed licenses can be made if required when the various tasks of the Performance Improvement Plan are completed over the next several years.

2. New York Power Authority (FitzPatrick & Indian Point 3)

Indian Point 3 Resident Manager, Mr. John Garrity, announced yesterday during a meeting for all plant personnel that Mr. Ralph Beedle, New York Power Authority Executive Vice President - Nuclear Generation, had resigned effective January 31, 1994. Mr. William Josiger, currently Vice President, Nuclear Operations, will be acting as Executive Vice President - Nuclear Generation, until a replacement is selected.

3. Lost Gauge at Westinghouse Municipal Incineration Facility,  
Chester, PA

One of the fixed gauges at Westinghouse Electric Corporation, Resource Energy Systems Division, Chester, Pennsylvania, was found to be missing during the semiannual inventory on January 31, 1994. The missing gauge was a Ronan Engineering Company, Source Holder Model SA-8-F37 which contained 100 millicuries of cesium 137. The gauge had been located

over the number five Municipal Solid Waste (MSW) conveyer which carried refuse into the number five incinerator. Surveys of the bag house connected to the incinerator, the area around the stack, and throughout the facility gave no indication of the location or the fate of the gauge. Westinghouse Electric Corporation, Resource Energy Systems Division is keeping the NRC Region I Office informed of the results of efforts to locate the gauge.

4. Allegheny General Hospital

The Division of Radiation Safety and Safeguards held an enforcement conference on February 2, 1994 with Allegheny General Hospital. The conference was conducted to discuss an apparent failure to fully implement the Quality Management Program, the apparent failure to ensure that all radioactive material was secure from unauthorized removal, and twenty one additional violations that were indicative of a management breakdown to provide adequate oversight of their Radiation Safety Program. Enforcement action is pending.

Region II  
Items of Interest  
Week Ending February 4, 1994

1. Carolina Power and Light Company - Brunswick Unit 1

Brunswick Unit 1 has returned to operation on February 4, from the shutdown that started in April, 1992. The NRC has 24-hour coverage at the site. There has been local news media interest. The licensee is proceeding with their power ascension test program which is planned for approximately five weeks. The unit is currently at 2 percent power, conducting High Pressure Core Injection System Testing. Unit 2 is operating at 100 percent power on a continuous run of 263 days.

Region III  
Items of Interest  
Week Ending February 4, 1994

1. Dresden Unit 1

On January 27, 1994, the Region III office was notified by the licensee that on January 25, 1994, approximately four feet (approximately 100,000 gallons) of water was discovered in the unheated containment basement of Dresden Unit 1. Dresden Unit 1 is in a decommissioning status of SAFSTOR with fuel. The water resulted from service water pipe breaks caused by freezing during recent severe cold weather. The water was found to be slightly contaminated, probably as a result of mixing with loose contamination in the containment basement. The licensee began pumping the water to a storage tank for eventual processing. The volume estimate was revised to 68,000 gallons.

Region III dispatched a radiation protection specialist on January 28, 1994, to review the licensee's action and to obtain samples of the water for independent analysis. On February 1, 1994, after subsequent investigation by the licensee identified a potential for freezing and failure of piping which could result in draining of a significant portion of the spent fuel pool, a Confirmatory Action Letter was issued. The Regional Administrator and the Director of DRSS toured the facility on February 2, 1994, and a Special Team Inspection consisting of Region III, NRR, and NMSS staff members will be onsite beginning February 7, 1994, to review this matter.

2. Genesys Medical Center

On February 3, 1994, an open Enforcement Conference was conducted at Region III between Genesys Regional Medical Center and members of the Region III staff. The purpose of the conference was to discuss the findings of an inspection conducted April 26 through May 4, 1993. Six violations are being considered for escalated enforcement action.

Region IV  
Items of Interest  
Week Ending February 4, 1994

1. Enforcement Conference

An enforcement conference was held on January 31, 1994, in the Region IV office with Cooper Nuclear Station to address the emergency diesel generator operability and maintenance issues identified in NRC Inspection Report 50-298/93-28. This conference was rescheduled from January 24, 1994, because weather conditions in Nebraska prohibited the licensee from traveling. The enforcement conference was attended by senior NRC and licensee representatives and was not open to attendance by members of the general public.

2. Wolf Creek Public Meeting in Region IV

On February 1, 1994, members of the Regional staff met with Wolf Creek Nuclear Operating Corporation representatives at a public meeting in the Region IV offices to discuss Wolf Creek Generating Station engineering initiatives.

3. Commissioner Visit to Wolf Creek

Commissioner Remick visited Wolf Creek Generating Station on February 2, 1994. He observed portions of the annual INPO evaluation.

4. TU Electric Public Meeting in Region IV

On February 3, 1994, members of the Regional and NRR headquarters staffs attended a public meeting located in the Region IV office. TU Electric Company representatives discussed the realignment of nuclear overview functions.

5. Loss of Strontium-90 (Sr-90) Reference Sources

An enforcement conference was held on February 3, 1994, with the Department of the Air Force to discuss the loss of four sealed sources of strontium-90 at Brooks Air Force Base, Texas. Each reference source contained approximately 0.4 millicuries. The conference also reviewed a failure of the licensee's permitting process that may have contributed to the incident.

6. Waterford-3 Onsite Public Meeting

A public meeting was held on February 3, 1994, in the Waterford 3 administration building. The purpose of the meeting was to discuss safe shutdown risks and other issues associated with the March 1994 refueling outage. The refueling outage is scheduled to begin March 4, 1994, and last 45 days.

Region V  
Items of Interest  
Week Ending February 4, 1994

1. Agreement State Meeting

On February 1, 1994, Ross Scarano, Director, Division of Radiological Safety and Safeguards (DRSS) and Jack Hornor, State Agreements Officer held an exit meeting with California State senior management officials in Sacramento, California. The State was informed of the results of the followup review during this meeting.

2. WNP-2

The WNP-2 Operations Division Manager, Greg Smith, and the Supply System Quality Assurance Director, Jim Gearhart, met with members of Region V management on February 4, 1994, to update the staff on recent issues and licensee initiatives. Topics discussed included Operations training and staffing enhancements being undertaken, actions to push personal accountability farther down in the Operations organization, and planned improvements in the licensee's employee concerns program.

February 4, 1994

NRR Meeting Notice

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/Applicant</u>	<u>NRR Contact</u>
02/16/94 10:00-2:00	50-280 50-281 50-338 50-339	One White Flint North Room 16-B-11	To discuss a 5-year license renewal methodology with the NRC staff.	NRR/VEPCO	L. Engle (301) 504-1480
02/17/94 9:00-12:00	None	One White Flint North Room 4-B-13	To discuss Westinghouse Fuel Issues.	NRR/W	S. Wu (301) 504-3284
02/17/94 9:00-1:00	None	One White Flint North Room 1-F-19	To discuss 50.54 (p) process and guidelines	NRR/NUMARC	P. McKee (301) 504-2933
02/17/94 9:30-5:00 and 02/18/94 9:30-5:00	None	One White Flint North Room 6-B-13	To discuss NUMARC proposed responses to questions submitted at the NUMARC industry workshops on the implementation of the NRC maintenance rule, conducted in August 1993.	NRR/NUMARC	R. Correia (301) 504-1036

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NMSS Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
02/10 12:00 noon - 2:00 p.m.	N/A	Maryland Nat'l Bank Building 7735 Old Georgetown Rd. Bethesda, MD Room 6110	To hold discussions on weeping of transpor- tation casks.	NRC EEI/UWASTE	M. Lasardi 301-504-2704
2/23 10:00 a.m.	N/A	Ohio EPA Offices 1800 Watermark Dr. Room 4B Columbus, Ohio	To meet w/Ohio EPA on re: Chemetron Solid Solid Waste Agreement Negotiations	NRC OEPA Ohio Dept. of Health	T.C. Johnson (301) 504-3603
02/24 9:00-4:00	N/A	One White Flint North 11555 Rockville Pike Rockville, MD Room 1F7-1F9	NRC/DOE Quality Assurance Meeting	NRC DOE State of Nevada and local governments	P. Brooks (301) 504-3465

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RES Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/8-11/94	N/A	Idaho Falls, ID	Thermal Hydraulics Program Review	B.Sheron T.King L.Shotkin N.Lauben D.Solberg J.Kelly	L.Shotkin
2/9/94 10:00 - 5:00	N/A	Holiday Inn Crowne Plaza Rockville, MD	Discuss options for addressing certain State concerns about proposed environmental review requirements for License Renewal (10 CFR Part 51)	-NRC Staff -State Staffs -NUMARC -Licensees -Members of the Public	D.Cleary
2/15/94 10:00 - 5:00	N/A	Holiday Inn O'Hare Rosemont, IL	Discuss options for addressing certain State concerns about proposed environmental review requirements for License Renewal (10 CFR Part 51)	-NRC Staff -State Staffs -NUMARC -Licensees -Members of the Public	D.Cleary
2/17/94 10:00 - 5:00	N/A	Holiday Inn Parwick Centre Chicopee, MA	Discuss options for addressing certain State concerns about proposed environmental review requirements for License Renewal (10 CFR Part 51)	-NRC Staff -State Staffs -NUMARC -Licensees -Members of the Public	D.Cleary
2/17-18/94	N/A	Holiday Inn Pyramid Albuquerque, NM	Workshop to discuss reactor pressure vessel thermal annealing	A.Taboada A.Hiser	A.Taboada
3/21-25/94	N/A	Paris, France	OECD/CSNI SESAM Meeting	B.Sheron	B.Sheron

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Office of State Programs Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>SP Contact</u>
2/23-25/94	NA	Augusta, ME	Maine Radiation Control Program Follow-up Review	State	C. Gordon
2/27-3/3/94	NA	Washington, DC	NARUC Winter Meetings	PUCs	S. Droggitis
2/27-3/3/94	NA	Tucson, AZ	Waste Management '94	Waste Officials	S. Salomon/C. Hackney
3/1/94	50-413	Clover, SC	Catawba EP Exercise	EP Officials	R. Trojanowski
3/7-11/94	NA	Austin, TX	Texas Radiation Control Program Review for LLW & Uranium Mills	State	R. Doda
3/22-24/94	NA	Baton Rouge, LA	FEMA/PRC Workshop	EP Officials	C. Hackney

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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>
02/15/94 10:00 a.m.	50-245/ 50-423/ 50-336 & 50-213	Region I	Discuss Training Dept. Changes, Open Training Issues from previous Inspections and Licensed Operator Testing Methods	Selected NRC Staff Members and Licensee	LDoerflein
02/17/94 10:00 a.m.	50-244	Region I	Quality Assurance Program Changes and Upcoming Refueling Outage Activities	Selected NRC Staff Members and Licensee	PEselgroth
02/18/94 1:00 p.m.	50-334 50-412	Shippingport, PA	SALP Management Meeting for dates covering 06/14/92 thru 11/27/93	Selected NRC Staff Members and Licensee	WLazarus
02/22/94 10:30 a.m.	030-05995 070-00026 070-00698 070-00997 070-01143	New Stanton, PA	Meeting requested by Licensee to discuss the status of decommissioning activities at several Westinghouse sites in the Pittsburgh area	Selected NRC Staff Members and Licensee	JKinneman
03/03/94 10:00 a.m.	50-387 50-388	Region I	Enforcement Conference to discuss Fuel Handling AIT Findings	Selected NRC Staff Members and Licensee	JWhite
03/07/94 10:00 a.m.	030-00582 Yale University	Region I	Management Meeting to discuss Organizational changes of the Licensee	Selected NRC Staff Members and Licensee	MShanbaky

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Region II Meeting Notice

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
02/10/94 1:00 p.m.	50-390 50-391	Spring City, TN	Management Meeting TVA - Watts Bar	RA, RII Staff, and Licensee	Ebnetter
02/16/94 10:30 a.m.	50-160	Atlanta, GA	Management Meeting Georgia Tech Research Reactor	RA, RII Staff, and Licensee	Ebnetter
02/17/94 10:00 a.m.	50-335 50-389	Jensen Beach, FL	SALP Presentation - FP&L - St. Lucie	RA, RII Staff, and Licensee	Ebnetter
02/23/94 TBD	50-261	Hartsville, SC	SALP Presentation - CP&L - Robinson	RA, RII Staff, and Licensee	Ebnetter

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Region III Meeting Notice

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees Applicant</u>	<u>NRC Contact</u>
2/15/94	50-255	Site	Chairman's Visit to Palisades	Regional Administrator	Martin
2/15/94	50-254 50-265	Site	Commonwealth Edison Company - Quad Cities SALP	Deputy Regional Administrator Selected Staff	Greenman
2/23-2/24/94	50-282 50-306	Site	Northern States Power Prairie Island Site Visit/Management Meeting	Regional Administrator Selected Staff	Greenman

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Region IV Meeting Notice

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/9/94 10:00	40-8681	URFO	Review detection monitoring system, implementation of ground-water protection standards & point of compliance, characterization of tailings impoundment and leak detection system, and subsurface geology as it controls effluent migration.	Umetco Minerals (White Mesa Mill)	
2/10/94 10:00	40-8964	URFO	Discuss byproduct material in mine-water treatment ponds and potential need for decommissioning plan.	Rio Algom Mining (Smith Ranch ISL)	J.Grimm
2/11/94 10:00	50-458	RIV	River Bend enforcement conference.	Entergy	L.Constable
2/14/94 1:00	50-298	RIV	Discuss Integrated Enhance Program at Cooper	NPPD	J.Gagliardo
2/15/94 9:00	150-00042	RIV	Discuss request to work under reciprocity in NRC jurisdiction.	Panhandle N.D.T.	Fisher
2/18/94 10:00	50-458	RIV	River Bend enforcement conference.	Entergy Operations	Harrell

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<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/22/94 1:00	50-498; 50-499	RIV	South Texas security program	Houston L&P	T.Dexter
2/24/94 2:00	30-19288	RIV	Community Memorial Hospital telephonic enforcement conference	CEO, Rad Safety Officer	C.Cain

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Region V Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees Applicant</u>	<u>NRC Contact</u>
3/10-11/94 7:30-4:15	N/A	Region V	Response Technical Manual Training	Designated Attendees	E. Garcia

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