

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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10/4/90
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September 19, 1990

INFORMATION REPORT

SECY-90-328

For: The Commissioners
From: James L. Blaha, Assistant for Operations, Office of the EDO
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING SEPTEMBER 14, 1990

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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Removed to allow public release of the rest of this paper

James L. Blaha

Blaha

Assistant for Operations, OEDO

*No input this week.

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WEEKLYINFOREPT PDR

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HIGHLIGHTS OF WEEKLY INFORMATION REPORT

WEEK ENDING SEPTEMBER 14, 1990

NRC Observation of INPO Evaluation Team

A member of the Performance and Quality Evaluation Branch (LPEB) is accompanying an INPO evaluation team at Point Beach. Stewart D. Ebnetter, Regional Administrator, Region II, will observe the last few days of the evaluation. NRC staff are observing the INPO evaluation process in order to determine the emphasis and quality of maintenance area evaluations. These observations are part of a broad staff assessment of the status of maintenance in the industry and the industry commitment to improving maintenance.

NCI Task Group

Members of the Division of Radiation Protection and Emergency Preparedness attended a meeting of the Task Group on September 12, 1990 for the purpose of preparing a management briefing package regarding the National Cancer Institutes report, "Cancer in Populations Living Near Nuclear Facilities." This report, which was received by the NRC on September 11, 1990, states that overall, no statistically significant increases in cancer were observed in the vicinity of 61 nuclear power plants which operated at some time during the period from 1957-1981. As expected, this statistical distribution of individual plant data exhibits isolated deviation (both positive and negative) from a relative risk value of 1.0, the point at which the observed cancers exactly matched those expected.

International Visit on High-Level Waste

Staff from the Division of High-Level Waste Management and the Office of Governmental and Public Affairs met with representatives from the French Nuclear Protection and Safety Institute, and the Central Service for Nuclear Installation Safety on September 11, 1990. Topics discussed included problems being encountered in the United States with the U.S. Environmental Protection Agency high-level waste standard, and similar issues in France. In addition, the French gave a presentation on the ongoing waste site investigation activities. This included a summary of the activities in the four different media being explored, clay, granite, salt, and schist. During the discussion, the French noted that the Prime Minister had placed a one year moratorium on any work on the high-level waste program. The Prime Minister's action was a result of local opposition at the four sites. Also discussed was the waste vitrification process in France, and the similarities and differences in the quality control techniques being employed by the French and United States glass producers. Finally, a discussion on quality assurance issues in the high-level waste area was held.

1989 Accident Sequence Precursor Report

The 1989 Accident Sequence Precursor (ASP) report, NUREG/CR-4674, Volumes 11 and 12, has been published and distributed. This report provides a quantitative evaluation of significant operating events described in licensee event reports during 1989. It provides a safety significance perspective of 1989 operating experience. There are no precursors in 1989 with conditional core damage probabilities higher than $1E-3$. There are seven precursors in 1989 with conditional core damage probabilities in the $1E-4$ to $7E-4$ range, with the steam generator tube rupture at McGuire-1 (LER 89-004 having the highest conditional core damage probability ($7E-4$)).

Office of Nuclear Reactor Regulation
Items of Interest
Week Ending September 14, 1990

Nine Mile Point Units 1 and 2

Unit 1: Power Ascension Update

The licensee achieved criticality on 7/29/90. One forced shutdown and two manual scrams occurred during the period. The forced shutdown on 7/30/90 was initiated to correct high drywell leakage caused by a damaged electromatic relief valve (ERV) downcomer vacuum breaker and two leaking ERVs. The manual scrams on 8/6/90 and 8/19/90 were initiated as a result of excessive vibration on the main turbine.

The unit is currently operating just below 25% which is the upper limit of the first plateau in the Power Ascension Program. The licensee has completed all testing and other activities scheduled for Phase I of the Power Ascension Program. As required per Supplement 1 to Confirmatory Action Letter 88-17, a self-assessment of operation was presented to the NRC Restart Panel on 9/10/90 prior to increasing power to the next plateau (25% to 75%). After completion of actions initiated by the licensee, as a result of lessons learned from their self-assessment, the Unit will increase power beyond the 25% limit.

The NRC staff briefed the ACRS on 9/7/90. The ACRS focused principally on gaining an understanding of process used and the basis for the decision authorizing plant restart. Although no licensee presentation was made, licensee representatives at the meeting included Lawrence Burkhardt III, Executive Vice President and his successor, Ralph Silvia.

Unit 2:

The first refueling outage was entered three days early on 9/4/90 as a result of a reactor trip. Besides routine refueling activities which include replacing 9 of 18 SRVs and replacing liners on the condensate demineralizer, the licensee is planning major modifications to both recirculation pumps.

Palisades Plant

Palisades is coasting down (RCS boron concentration 21 ppm) in preparation for its five month Steam Generator Replacement and refueling outage. The outage commences on September 15.

There are approximately 500 additional personnel onsite in support of the outage. These contract personnel (a majority from Bechtel) will peak near 600 during the months of October and November. A modification to the protected area security building has been completed and essentially doubles the processing capability. Construction of a temporary containment access facility (except for the doorway opening to the fuel building) is also complete. Use of this temporary facility will minimize contract personnel "traffic" in the auxiliary building.

Steam Generator Replacement Project

- Outside lift system foundation construction complete
- Interim old SG storage facility is 70% complete
- New SG mechanical and electrochemical polishing complete
- Welding and cutting mock-ups complete
- A new MAN-REM target incentive has been established. The old goal of 699 man-rem has been reduced to 540 man-rem (a new U.S. record, if attained).

NRC Observation of INPO Evaluation Team

A member of the Performance and Quality Evaluation Branch (LPEB) is accompanying an INPO evaluation team at Point Beach. Stewart D. Ebnetter, Regional Administrator, Region II, will observe the last few days of the evaluation. NRC staff are observing the INPO evaluation process in order to determine the emphasis and quality of maintenance area evaluations. These observations are part of a broad staff assessment of the status of maintenance in the industry and the industry commitment to improving maintenance.

Meeting with BWR Owner's Group Emergency Procedures Committee

On September 5, 1990, the staff met with the Emergency Procedures Committee (EPC) of the BWR Owner's Group to discuss the operation of nitrogen containment atmospheric dilution (NCAD) system. The staff expressed concerns that the NCAD system, which is a safety system and credited to meet 10 CFR 50.44 are not being used for combustible gas control in the Emergency Operating Procedures (EOPs). The system was purposely deleted from the Emergency Procedure Guidelines (EPGs) after considering the pros and cons of the use of the system during an accident. The staff indicated that additional technical efforts were needed to quantify the benefits as well as negative consideration of including the system in the EPGs. system. The EPC Owner's Group agreed, and estimated that this effort could not be completed prior to the end of October. In addition, the staff suggested and Owner's Group agreed to provide sample EPGs for the operation of the system. The BWR Owner's Group agreed to meet with the staff again by the end of October or early November to resolve this issue.

NCI Task Group

Members of the Division of Radiation Protection and Emergency Preparedness attended a meeting of the Task Group on September 12, 1990 for the purpose of preparing a management briefing package regarding the National Cancer Institutes report, "Cancer in Populations Living Near Nuclear Facilities." This report, which was received by the NRC on September 11, 1990, states that overall, no statistically significant increases in cancer were observed in the vicinity of 61 nuclear power plants which operated at some time during the period from 1957-1981. As expected, this statistical distribution of

individual plant data exhibits isolated deviation (both positive and negative) from a relative risk value of 1.0, the point at which the observed cancers exactly matched those expected.

Team Leader Counterpart Meeting

Approximately 60 Regional and Headquarters inspectors and managers participated in a team leader counterpart meeting September 4-6, 1990. The objectives of the meeting were to improve team leader skills, promote group identity, and identify team leader qualification and training requirements. Messrs. J. Sniezek, T. Murley, and B. Davis gave senior NRC perspectives on the inspection process, team leaders, and the Regulatory Impact Survey. A number of important issues were discussed during the meeting, including whether written inspector questions were acceptable, quality of NRR team members, announcement of team inspections and multiple discipline teams to perform core inspection modules.

Public Meeting

On September 6, 1990, the Director, DREP, participated with Regional Administrator, Region I, in a public meeting in Plymouth, Massachusetts. The purpose of the meeting was to allow the NRC staff to hear directly from local officials who are involved in emergency preparedness planning around the Pilgrim Nuclear Power Plant. The information received will assist the staff in evaluating the continued progress in offsite emergency planning and preparedness for Pilgrim. In addition, DREP staff members EPB were visiting emergency response organizations in the vicinity of the Pilgrim site to collect current data for a report to the Commission on the status of offsite emergency preparedness around Pilgrim.

RESTART SCHEDULE
9/14/90

<u>PLANT</u>	<u>SHUTDOWN</u>	<u>BRIEFING</u>	<u>PLANT RESTART</u>
BROWNS FERRY 2	9/15/84C	11/90E	12/90E*

*Commission decision prior to restart authorization.

Office of Nuclear Material Safety and Safeguards
Items of Interest
Week Ending September 14, 1990

Tactical Exercise at Nuclear Fuel Services (NFS) Site

On September 12, 1990, the licensee's Tactical Response Team conducted a full-scale force-on-force exercise at the NFS Erwin site. The exercise was observed by Headquarters and Region II personnel. The physical security upgrade rule for Category I fuel facility licensees requires the licensees to conduct quarterly tactical exercises to assess the overall performance of their on-site security system. To date, five full-scale exercises have been conducted at the Category I facilities.

New Fuel Shipping Package

On September 6, 1990, Transportation Branch staff met with representatives of United Nuclear Corporation (UNC) to discuss additional contents for the Model No. UNC-2500 packaging. The packaging is to be used in the phase-out of UNC activities. An application is expected to be submitted to the NRC in September.

Northern States Power Company Prairie Island Independent Spent Fuel Storage Installation (ISFSI)

The NRC has received an application from Northern States Power Company for a license to construct and operate a dry cask ISFSI at its Prairie Island Nuclear Generating Plant located in Red Wing, Minnesota. The proposed ISFSI will accommodate a total of 48 casks and will use the TN-40 Dry Cask Storage System designed by Transnuclear, Inc. The TN-40 cask will hold 40 Prairie Island fuel assemblies which have been decayed at least 10 years. The proposed ISFSI will provide adequate onsite spent fuel storage capacity to enable Prairie Island Units 1 and 2 to operate until the expiration of their respective operating licenses in 2013 and 2014.

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Office of Nuclear Regulatory Research
Items of Interest
Week Ending September 14, 1990

Recently Issued Publication

Reg. Guide 1.159, "Assuring the Availability of Funds for Decommissioning Nuclear Reactors," August 1990. Contact: Carl Feldman (301) 492-3883

ICAP

NRC thermal-hydraulic codes (TRAC-PF1/MOD2, RELAP5/MOD2 and MOD3, and COBRA/TF) have been sent to Kurchatov Institute of Atomic Energy, U.S.S.R., through the EDO. This was pursuant to the Agreement on Thermal-Hydraulic Research between the USNRC and the U.S.S.R. Ministry of Nuclear Industry and Power and the Kurchatov Institute for Atomic Energy. This 3 1/2-year cooperative Agreement was signed on June 29, 1990. Per this Agreement, the U.S.S.R. will provide code assessment results and thermal-hydraulic test data. Through this Agreement, the U.S.S.R. has become the 16th member of the USNRC International Code Assessment and Application Program (ICAP) which was established about five years ago to obtain code assessment results from foreign participants.

PRA Conference, Santa Fe, NM

An international conference to discuss probabilistic risk analyses and its limitations was held in Santa Fe, New Mexico, September 3-6, 1990. In addition to papers being presented by representatives from Italy, Germany, Sweden, France and Japan, several NRC papers were also presented by T. Murley (NRR), E. Beckjord (RES), and J. Murphy (RES). The meeting, which was organized and chaired by D. Ross (AEOD) with RES support, clearly demonstrated the broad acceptance of PRA methods and agreement that future work should focus on such areas as human reliability and common cause failure. A summary report of insights from the papers and panel discussions will be published by CSNI in the near future.

Office for Analysis and Evaluation of Operational Data
Items of Interest
Week Ending September 14, 1990

Oyster Creek Diagnostic Evaluation

Planning and preparation for the Oyster Creek DET continued during the period September 10-14. On September 12, the designated Oyster Creek DET manager briefed the EDO and DEDR on the plans for the Oyster Creek DET including the areas of emphasis, schedule of major milestones, and anticipated team composition.

Incident Response Activities in Support of State Programs

On September 12, 1990, the Deputy Director, AEOD, participated in a panel discussion at the State Liaison Officers' (SLO) meeting. Topics addressed were the role of the NRC during a response to an event, the upcoming Dose Assessment Workshop in Baltimore, Maryland, and the status of the Emergency Response Data System (ERDS). Following the SLO meeting, the Chief, IRB and staff members gave a tour and briefing on the NRC Operations Center including a demonstration of ERDS to the attendees.

Technical Training in Support of State Programs

The TTC's Senior Health Physicist (Materials) participated in a GPA/SP sponsored Inspection Procedures Course in San Antonio, Texas, September 10-14, 1990. Similar presentations have been made in Atlanta, Georgia and King of Prussia, Pennsylvania. The course is provided to NRC and Agreement State personnel to acquaint them with inspection fundamentals related to materials licenses. The course is taught by NRC and Agreement State personnel.

Low Temperature OverPressure Protection: Testing PORVs with the Alternate Pneumatic Supply. AEOD/E90-08

During a test of the low-temperature, overpressure protection (LTOP) system at Point Beach, Unit 1, the licensee determined that the system was inoperable because the stroke time for the power operated relief valve (PORV) was greater than that assumed in the safety evaluation report for the LTOP system. The delayed stroke time was caused by an inadequate nitrogen gas supply that is used as a backup to the normal air supply to actuate the valves. There were four other plants that reported similar problems with backup pneumatic systems since 1987.

The issue of inadequate nitrogen supply was first highlighted in Information Notice 82-45. Generally, the problem is caused by excessive pressure drop or leakage in the backup gas supply lines and no surveillance on stroke time with the backup gas supply. Information Notice 89-32 addressed surveillance requirements for LTOP systems, but did not specifically include testing the backup pneumatic supply system.

Suggestion was made to issue a supplement to the Information Notice 89-32.

Loss of Off-Site Power to Comply with NRC Regulations. AEOD/T90-12

During trouble shooting of the station auxiliary transformer, the transformer faulted and caused both reactor recirculation pumps to trip at Brunswick Unit 2, a boiling water reactor (BWR). In accordance with NRC Bulletin No. 88-07, Supplement 1, "Power Oscillations in Boiling Water Reactors," Unit 2 was manually scrammed although the licensee knew the scram would also result in a loss of off-site power (LOOP) to Unit 2. Since a loop is not a desirable transient, the circumstances of the event were investigated to determine if the regulatory bulletin may be responsible for other undesirable transients at the BWRs. We found that no additional scrams had occurred due to licensee compliance with NRC Bulletin No. 88-07 or Supplement 1. AEOD also concluded that the LOOP at Brunswick Unit 2 was not caused by lack of adequacy with the Bulletin, but by the licensee's failure to take all necessary actions in response to the Bulletins.

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Preliminary Notification

The following Preliminary Notifications were issued during the past week.

- a. PNO-I-90-77, Consolidated Edison Co. of New York, Unplanned Shutdown Greater Than 48 Hours
- b. PNO-I-90-78, Del-Med, Inc., Reported Loss of Radiopharmaceutical Vehicle
- c. PNO-I-90-78A, Del-Med, Inc., Lost Radiopharmaceuticals Found (Update)
- d. PNO-II-90-48, Carolina Power and Light Company, Freon Release Into Air Handling Room
- e. PNO-II-90-50, Carolina Power and Light Company, Freon Release Into Air Handling Room
- f. PNO-III-90-59, Monticello Nuclear Plant, Shutdown For Greater Than 72 Hours To Repair CRD Pumps
- g. PNO-IV-90-30, Houston Lighting & Power, Reactor Shutdown Required By The Technical Specifications
- h. PNO-V-90-36, San Onofre Nuclear Generating Station, Injured Worker Transported To Hospital

Office of Governmental and Public Affairs
Items of Interest
Week Ending September 14, 1990

Inspection Procedures Course

Joel Lubenau, State Programs, Richard Woodruff, Region II State Agreements Officer, and Jack Hornor, Region V State Agreements Officer, conducted an inspection procedures course on September 10-14, 1990 in San Antonio, Texas. The class consisted of twenty-seven students - 15 from States (12-Agreement State; 3-non-Agreement State), 6 from NRC and 6 military.

CRCPD Executive Board Meeting

The Conference of Radiation Control Program Directors, Inc. (CRCPD) Executive Board met at NRC Headquarters on September 10-13, 1990 in Rockville, Maryland. Chairman Carr met with the Board members to discuss issues of interest to the Conference and the NRC.

National State Liaison Officers' Meeting

State Programs conducted a National State Liaison Officers' Meeting on September 11-12, 1990 in Rockville, Maryland. State Liaison Officers (SLO) are appointed by Governors as the primary point of contact with regard to NRC activities. Chairman Carr, Commissioner Curtiss and senior NRC staff addressed the SLOs on a number of NRC issues and activities including: below regulatory concern; Agreement State compatibility; standardized reactor design; plant life extension and dry cask storage. There were panel discussions which included State participants on such issues as BRC; State progress on LLW; State inspections at NRC-licensed facilities; and emergency planning. A representative from Alaska spoke on the Exxon Valdez oil spill. There was also a tour of the NRC emergency operations center.

Radiography and Scrap Metal Seminar

The Institute of Scrap Recycling Industries, Inc. (ISRI) sponsored a seminar on radioactivity in scrap metal on September 12, 1990 in Washington, DC. The purpose of the seminar was to provide a setting for the NRC, ISRI, and the trade associations representing the major consumers of scrap metals to meet and consider the problem of radioactivity related to both ferrous and non-ferrous scrap. Representatives from the Environmental Protection Agency and the Department of Transportation also participated in the seminar. Joel Lubenau, State Programs, presented a paper on "Radioactive Materials in Metal Scrap and the General License Concept."

BRC Testimony Before New Hampshire House Committee

Malcolm Knapp, Director, Region I Division of Radiation Safety and Safeguards, Frederick Combs, Assistant Director for State, Local and Indian Relations, State Programs, and John McGrath, Region I State Agreements Officer, testified on the Commission's policy on below regulatory concern before the New Hampshire House Science, Technology and Energy Committee on September 13, 1990 in

Concord, New Hampshire. The Committee members questioned NRC on control of multiple practices, dose models and proposed legislation being considered in New Hampshire to restrict BRC. The NRC witnesses indicated that if the legislation were enacted as written, it appears that all radioactive material (including already exempted items) would be required to be disposed in a licensed LLW disposal facility.

Foreign Visitors

On Friday Mr. Gianni Petrangeli, Director for Research and Development of the Directorate for Nuclear Safety and Health Protection (DISP), Italian National Organization for Nuclear and Alternative Energy Sources (ENEA), met with staff from RES, NRR, and GPA/IP to discuss advanced reactors, certification schedules for future reactors, the status of source term work, and cooperation items under the Technical Appendix to the NRC-ENEA information exchange Arrangement.

Office of Administration
Items of Interest
Week Ending September 14, 1990

US-URENCO Activities

SEC as well as NMSS and OGC personnel briefed Commissioner assistants on the background and the status of the US-URENCO government agreement negotiations and other URENCO/LES activities.

Significant FOIA Requests Received by the NRC for 5-Day Period
September 7 - September 13, 1990

Request for three categories of records regarding OI Investigation No. 4-88-026. (Darlene Calandra of Bishop, Cook, Purcell & Reynolds, FOIA-90-400)

Request for three categories of records regarding Cintichem Inc., of Tuxedo, New York. (William Berezansky, The Times Herald Record, FOIA-90-401)

Request for records related to a workshop for Fitness-For-Duty inspectors from the Regional offices held May 15-17, 1990. (Karen Unnerstall of Newman & Holtzinger, FOIA-90-402)

Request for records between Dr. Glenn's office and the State of Louisiana concerning the Institute for Nuclear Medical Education. (Gretchen Wheeler, Institute for Nuclear Medical Education, Inc., FOIA-90-403)

Request for four categories of records regarding Chem-Nuclear Systems of Barnwell, South Carolina. (Theresa Walden, Citizens for Logical Alternative & Responsible Environment, FOIA-90-404)

Request for records relating to the site at Pawling, New York referred to as the Nuclear Lake Site. (Cynthia Norris, Chevron U.S.A. Inc., FOIA-90-406)

Request for records regarding leak rate tests at the Zion and LaSalle nuclear power plants. (Z. Reytblatt, Illinois Institute of Technology, FOIA-90-408)

Request for records relating to the inspection at the Comanche Peak nuclear power plant conducted February 7-March 2, 1990. (Linda Bauman of Robinson, Robinson, Peterson, Berk, Rudolph, Cross & Garde, FOIA-90-409)

Request for a copy of the proposal for solicitation No. RS-RG4-90-267. (David Blanchette, Inter-Tel, FOIA-90-411)

Office of Information Resources Management
Items of Interest
Week Ending September 14, 1990

1. EN/LER Correlation Report

A standard SINET report correlating Event Notifications (50.72's) and Licensee Event Reports (LERs) has been prepared by the Office of Information Resources Management and is now undergoing review by the Office of Nuclear Reactor Regulation.

2. National Academy of Public Administration Electronic Database Study

The National Academy of Public Administration (NAPA) is conducting a study of Federal agency automated databases which contain sufficient volume and detail of data to have value for use independently of the purposes they serve in the agencies. The study focuses on the availability, accessibility and retention of such databases to support future research. In conjunction with the NAPA study, which is being done for the National Archives and Records Administration, Mr. Seymour Greenstone visited the Nuclear Regulatory Commission on September 14, 1990, to begin efforts to identify and build an inventory of automated databases, and define a set of criteria for appraising electronic databases. Mr. Greenstone interviewed NRC staff with regard to NUDOCS/AD, the Radiation Exposure Information Reporting System, the National Energy Software Center, SINET, and the Nuclear Materials Management and Safeguards System.

Office of Personnel
Items of Interest
Week Ending September 14, 1990

Probabilistic Risk Assessment Faculty Meeting Held

Office of Personnel representatives Pete Goldman and Lillian van Santen attended the Probabilistic Risk Assessment Teaching Faculty Meeting with the INEL program manager in Seattle, Washington, on September 11-12.

Women's Executive Leadership Program

On September 11, Henry Rubin of Training, Development and Employee Assistance, OP, attended a coordinators' meeting for the Women's Executive Leadership Program to discuss the details of the FY91 program.

Recruitment Activities Increase at Colleges

Representatives from NRC are focussing on the nation's colleges and universities for recruitment activities. On September 12, Cordell Williams, NRR, and Frank Elizondo, Recruitment Officer, OP, were available to answer questions at Purdue University. On September 11-12, North Carolina Agricultural and Technical College hosted a career fair where John Larkins, NRR, Linda Watson, RII, and Duane Potter, OP, spoke with 24 interested students. At the University of Florida on September 14, Charles Jasto, RII, Ron Hernan, NRR, and Duane Potter, OP, interviewed 7 strong applicants of the 58 students who left their resumes.

Arrivals

LEVIN, Alan	Operations Engineer (PFT)	NRR
MARKOVICH, Barbara	Secretary (Typing) (PFT)	NMSS
NGUYEN, Duc	General Engineer (Intern) (PFT)	NRR
SCOTT, William	Reactor Inspector (PFT)	RIII
SPAULDING, Deidre	General Engineer (Intern) (PFT)	NRR
TAYLOR, Jack	Assistant to the Inspector General for Operations (PFT)	OIG

Departures

ALOOT, Sebastian	Director and Chief Counsel (PFT)	ASLBP
CHEREK, Sandra	Word Processing Operator (PFT)	RIII
DANIELS, Lisa	Project Engineer (PFT)	NRR
O'NEIL, John	NDE Technician (PFT)	RI

Summer Departures

COX, Wanda	Clerk (OPFT)	RV
JENKINS, Delbert	Clerk (OPFT)	ADM
KANOVSKY, Nechama	Clerk (OPFT)	ADM

Office of Enforcement
Items of Interest
Week Ending September 14, 1990

Significant Enforcement Actions

1. A Order Imposing a Civil Penalty in the amount of \$6,250 was issued on September 13, 1990 to MQS Inspection, Inc., Elk Grove Village, Illinois. The action was based on an overexposure event which resulted in four violations of NRC requirements. There violations were: (1) exceeding the whole body dose limit during a calendar quarter, (2) failure to survey the circumstances of the radiographic exposure device following an exposure, (3) failure to report to the NRC within 24 hours an event which threatens to cause exposure to the whole body of 5 rems or more of radiation, and (4) failure to survey and lock the exposure device after each exposure. The licensee responded to the Notice in a letter dated May 9, 1990. The licensee denied Violation C (reporting requirement), protested the imposition of the civil penalty and requested 100% mitigation. After careful consideration of the licensee's response, the staff has concluded that the violation did occur as set forth in the Notice of Violation and Proposed Imposition of Civil Penalty.
2. A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$1,875 was issued September 14, 1990 to St. Luke's Hospital, Cleveland, Ohio. This action was based on a therapeutic misadministration that resulted from failure to check a patient's planning chart prior to administration. Additional violations of reporting requirements as to therapeutic misadministrations are cited without civil penalty. The base civil penalty was mitigated for identification and reporting and corrective action, but was escalated for past performance, with a net mitigation of 25%.

Civil Penalties Paid

1. Somat Engineering, Inc., Taylor, Michigan paid the civil penalty in the amount of \$125. The action was based on failure to maintain constant control over a moisture density gauge. In this case, an employee made a conscious decision to leave the gauge unattended in an unrestricted area for a short time while he drove to a telephone to make a call.
2. U.S. Department of Agriculture, Washington, D.C. paid the civil penalty in the amount of \$5,000. The action was based on fifteen violations that, when viewed collectively, demonstrate a lack of management oversight. Significant among these violations, was a failure to ensure that facilities under this broad license were inspected internally by the radiation safety staff at required frequencies. The violation was identified during NRC inspections in 1988 and 1989.

Office of Consolidation
Items of Interest
Week Ending September 14, 1990

Second Building

On September 12, the White Flint North Limited Partnership filed an application with Montgomery County for an excavation permit for Two White Flint North (TWFN).

The new appraiser, contracted by GSA to review the TWFN site, met during the week with the developer's representatives to discuss the property. Completion of the appraisal is not expected by GSA until early October.

Completion of the systems furniture standards review by Dewberry & Davis' interior design group has been delayed about two weeks. The delay, which is not critical to the overall project schedule, resulted from a decision by the developer's managing architect for the TWFN project to require a redesign of the proposed proto-typical floor layout submitted by Dewberry & Davis. The Office of Consolidation needs the proto-typical floor layout to determine the space utilization efficiency factor which, in turn, will determine the overall space requirement in the building, and how the various organizational units and activities will fit onto the floors.

New Reg Cafe

During the week, the contractor for the outdoor furniture, Architectural Precast, Inc., told the Director, CONS, that the company had decided to completely replace the existing furniture with new, redesigned equipment. Company Vice President, David Foresta, estimates that the nine tables with seating will be delivered and installed during the week of October 22, 1990.

Region I
Items of Interest
Week Ending September 14, 1990

1. Response to New Hampshire State Legislature by NRC

On September 13, 1990, in response to a request from the New Hampshire State Legislature, Fred Combs, Assistant Director for State, Local & Indian Relations, and Malcolm Knapp and John McGrath, of the NRC's Region I Office, addressed the New Hampshire House Science, Technology and Energy committee on the NRC's Below Regulatory Concern (BRC) policy. The New Hampshire legislature is considering a bill that would prohibit disposal of certain BRC waste in that State.

2. Nine Mile Point Unit 1

On September 11, 1990, the licensee presented the results of their self-assessment at the 25% plateau to the NRC staff Restart Assessment Panel. The Niagara Mohawk assessment was generally consistent with that of the Panel. The licensee plans to escalate power to the 75% plateau and continue the power ascension test program on September 12, 1990. The restart inspection team plans to provide around-the-clock coverage during the transition and significant testing activities.

3. Vermont Yankee Fuel Assemble Failure

During the past operating cycle, Vermont Yankee experienced fuel failures. Using data collected during the operating cycle, the licensee was able to predict the approximate number and locations of the failed fuel assemblies in the reactor. As part of a sipping plan, all bundles in these suspect areas have been tested by the licensee and 4 leaking fuel assemblies have been identified. Three of the four assemblies have been in the reactor core for three operating cycles and are scheduled to be discharged to the spent fuel pool. The fourth assembly was new when installed during the February 1989 refueling. As part of the normal outage activities, General Electric was contracted to come in and, using an underwater periscope, perform visual inspections of some of the fuel. In particular, GE was asked to look at those fuel assemblies which were determined to have failed and to determine the mechanism of failure. The inspection of the fourth assembly identified one of its 60 half inch diameter fuel rods as being failed. The failure appears to have occurred as a result of a manufacturing defect; however, further analysis by the fuel vendor is required to determine the actual cause. The failed rod has a crack which has allowed some of the uranium pellets normally contained in the rod to erode.

Region II
Items of Interest
Week Ending September 14, 1990

1. Tennessee Valley Authority

On September 10, the Deputy Regional Administrator was at the Browns Ferry site for a familiarization tour and to meet with the Resident Inspectors.

2. FEMA Conference

On September 11, the Regional Administrator, accompanied by representatives of the Division of Radiation Safety & Safeguards, participated in the FEMA Radiological Emergency Preparedness Conference. This issue of most interest to the State and county representatives present was the recently revised NRC protective action recommendation guidance to evacuate 0-3 miles in lieu of the traditional "keyhole" evacuate and shelter guidance.

3. Tennessee Valley Authority - Sequoyah

TVA is attempting to resolve hydrogen gas accumulation problems in the centrifugal charging pump (CCP) section lines of both Sequoyah Units similar to those described in Information Notice 88-023. Operators are venting the affected piping every 2 hours when a CCP is running. Unit 2 began the cycle 4 refueling outage on September 7, 1990. The outage will conclude on November 1st, 1990.

On September 11, 1990, at 1:33 p.m., Sequoyah lost shutdown cooling for five minutes due to modification work (Eagle 21) in the Auxiliary Instrument Room. Operators switched to a different pressure channel and restored shutdown cooling.

4. Tennessee Valley Authority - Watts Bar

The Region I NDE Van inspection was completed last week and the inspectors exited on September 6. Problems were identified in ASME Class III welds, the MIC program, and the Corrective Action Program.

On September 12, TVA representatives from the Watts Bar site met in the Region II Office with TVA Projects and Operator Licensing staffs to discuss proposed initial examinations for Watts Bar operators.

5. Alabama Power Company

On September 13, representatives of the Alabama Power Company were in the Region II Office to attend a Management Meeting to discuss Emergency Preparedness issues at Farley. The main topics of discussion included the Farley emergency plan commitments for timeliness of emergency response facility activation as well as the adequacy of emergency response facilities to accommodate a full NRC site presence in the event of an accident requiring expanded NRC activation. Some coordination of activities with

respect to NRC's full participation exercise at Farley on October 24, 1990 were also discussed.

6. General Electric Company

On September 13, the General Electric fuel facility in Wilmington, North Carolina conducted its annual graded emergency preparedness exercise. The exercise was fully successful with two minor findings identified.

7. Carolina Power and Light - H. B. Robinson

On September 11, 1990, an Alert was declared when workers cut through a freon line in the Air Handling Room (beneath the control room) and had to evacuate the area. Other areas of the plant were not affected. The toxic gas was disbursed and the Alert was terminated in one and a half hours. The licensee made proper notifications to State and local officials. The reactor was a shut down for refueling during the event.

8. Demand for Information

Region II has sent the Demand for Information to all licensees (except federal licensees) that failed to comply with the provisions of 10 CFR 30.35, which requires the submission (by July 27, 1990) of decommissioning funding plans or a certificate that financial assurance for decommissioning has been provided. The Demand for Information was sent to approximately 20 licensees.

Region III
Items of Interest
Week Ending September 14, 1990

1. Illinois Department of Nuclear Safety

On September 7, 1990, Mr. H. J. Miller, Director, Division of Reactor Safety, and members of his staff met with the Illinois Department of Nuclear Safety in Springfield, Illinois. The purpose of this meeting was to discuss the scheduling of upcoming joint inspections under the Memorandum of Understanding (MOU) and the State draft regulations.

2. Point Beach Nuclear Power Plant

Approximately 150 double crested cormorants have been found dead in the water intake forebay at the plant. These birds, which are a large migratory waterfowl, are a protected species. Point Beach has a large doughnut shaped intake structure about 300 yards offshore that resembles a rocky island, which is a favorite roosting place for the birds. In the process of diving for fish, they are possibly being drawn into the intake piping where they drown. This is the first such occurrence of these birds roosting at the plant. The licensee is taking action to remedy the situation. An air horn was installed at the intake structure to frighten off the birds, with limited success. A chain link fence is being considered to cover the intake structure. Representatives from the State of Wisconsin Department of Natural Resources and the U.S. Fish and Wildlife Service are investigating this issue.

3. Perry Nuclear Plant

On September 7, 1990, the plant's main turbine was removed from the grid commencing the licensee's second refueling outage. Following main turbine overspeed testing, a reactor shutdown by control rod insertion was commenced. However, at about 10 percent reactor power, the licensee elected to complete the reactor shutdown by performing a manual scram due to a failure in the motor driven feed pump and increased turbine driven feed pump vibration at the low feed flow conditions. The plant responded as expected to the manual scram with reactor water level control maintained with the reactor core isolation cooling system. One anomaly occurred while securing the turbine driven feed pumps when the "B" pump could not be tripped from the control room. In addition, when the eight main steam isolation valves (MSIVs) were closed by a "slow close" method, MSIVs 22C & 28B reopened. Also, a reactor water cleanup system isolation occurred on high delta flow. The isolation signal was reset and the cause is being investigated. Major work planned for this outage includes refueling, replacement of all 19 safety relief valves replacement of reactor recirc pump shafts, and overhaul of an emergency diesel generator. The outage is currently planned to last about 80 days.

4. Monticello Nuclear Power Plant

On September 11, 1990, Mr. A. Bert Davis and members of the Region III staff met with Northern States Power Company management to discuss the Monticello SALP 9 assessment.

5. American Radiolabeled Chemicals (ARC)

On September 14, 1990, A. B. Davis, Regional Administrator, and other selected Regional staff conducted a management meeting to discuss the specific license conditions placed on ARC's limited license.

6. Midwest Inspection Services, Ltd.

On September 13, 1990, C. J. Paperiello, Deputy Regional Administrator, and selected Regional staff conducted an enforcement conference to discuss the violations identified during a recent inspection which include numerous procedural violations. The licensee also discussed its corrective actions.

Region IV
Items of Interest
Week Ending September 14, 1990

1. Sequoyah Fuels Facility

The Director, DRSS visited Sequoyah Fuels Facility on September 11, 1990, to oversee followup inspection activities to the findings of the AIT conducted August 27-30, 1990, and to observe the licensee's corrective actions prior to restart of the UF₆ plant.

The Deputy Regional Administrator joined the Director, DRSS at the Sequoyah Fuels Facility for a management meeting with the licensee on September 12, 1990. Discussions included concerns related to the operation of the UF₆ facility as a result of the findings of the AIT and the recent OI investigation prior to restart of the UF₆ plant.

2. Two Wolf Creek Meetings in Region IV Office

Two meetings were held in the Region IV office on September 11, 1990, with personnel from Wolf Creek Generating Station. The licensee was represented by the Vice President, Engineering and Technical Services; Manager, Nuclear Plant Engineering; Licensing Supervisor; Results Engineering Supervisor; and the Facilities and Modifications Manager. The subjects discussed included a main generator voltage regulator adjustment which resulted in a substantial decrease in the system grid voltage, and the licensee's plans for correcting service water erosion/corrosion problems.

3. NPPD Management Meeting in Region IV

The Vice President of Production for Nebraska Public Power District, and members of his staff, met in the Region IV office on September 12, 1990, to present the new Cooper Nuclear Station plant management organization and to discuss the status of other areas of interest, including the NPPD training program.

Office of the Executive Director for Operations
Items of Interest
Week Ending September 14, 1990

Proposed Rule to be Signed by EDO

On September 14, 1990, the Executive Director for Operations approved a proposed rule 10 CFR 16 entitled "Salary Offset Procedures for Collecting Debts Owed by Federal Employees to the Federal Government." The rule is necessary to conform NRC regulations to the Debt Collection Act of 1982 which requires each agency to establish a salary offset program for the collection of these debts. The action is intended to allow the NRC to further improve the collection of debts which are owed the Federal Government. This rule applies to all Federal employees who owe debts to the NRC and to current employees of the NRC who owe debts to other Federal agencies.

This constitutes notice to the Commission that, in accordance with the rulemaking authority delegated to the EDO, the EDO has signed this proposed rule for publication in the Federal Register.

SEPTEMBER 14, 1990

NRR MEETING NOTICES

September 14, 1990

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
9/25/90 1:00-4:00	50-275/ 323	One White Flint North Room 10B-13	Meeting with Pacific Gas and Electric Company to discuss installation schedule for 6th Diesel Generator and Dedication of Diesel Generator for Safety-Related Use.	NRC/PG&E	H. Rood
9/26-28/90 8:30-5:00	None	UCLA Campus Faculty Center Los Angeles, CA 90024	Meeting with UCLA to discuss uncertainties in accident management strategies in BWRs.	NRC/UCLA	F. Odar
9/26/90 1:00-5:00	50-334/ 412/ 247/ 244	One White Flint North Room 14B-11	Meeting with Duquesne Light Company, Consolidated Edison Company and Rochester Gas and Electric Company for a discussion relating to the issue of neutron flux instrumentation and Regulatory Guide 1.97.	NRC/Duquesne Light Company/ Consolidated Edison Company/ Rochester Gas & Electric Company	A. DeAgazio D. Brinkman A. Johnson
10/2/90 1:00-5:00 10/3/90* 8:30-3:00	None	One White Flint North Room 6B-11 Room 8B-11*	BWROG presentation on efforts to provide resolution and closure of problems related to long term stability solutions and the effects of instability on ATWS analyses.	NRC/GE/BWROG/ ORNL	H. Richings

* 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 0

NRR MEETING NOTICES

September 14, 1990

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
10/3/90 8:30-3:00	675	One White Flint North Room 4B-13	Meeting with ABB Combustion Engineering, Inc. to discuss System 80+ Seismic Envelope and Design.	NRC/ABB CE	T. Wambach
10/3/90 9:30	50-244	DRP Conference Room, Region I Office, King of Prussia, PA	GINNA SALP Board Meeting.	NRC/Rochester Gas and Electric Company	E. McCabe
10/10/90 9:00-5:00	None	Days Inn Penn State 240 South Pugh Street State College, PA	NRC Non-Power Reactor Seminar.	NRC/Non-Power Reactor Licensees	T. Michaels
10/30/90 9:00	None	One White Flint North Room 6B-11	Meeting with NUMARC to discuss the resolution of NRC staff comments on the subject Industry Report.	NRC/NUMARC	N. Markisohn

SEPTEMBER 14, 1990

ENCLOSURE 0

September 14, 1990

NMSS Meeting Notices

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>
9/18 9:00 a.m.	40-7604	OWFN 6B-11	To meet with BP Chemicals to discuss decommissioning plan	NRC BP	K. McDaniel
9/18		OWFN 8B-11	Presentation by Elekta Instruments, Inc. Conference of Radiation Control Program Directors to attend	NRC Elekta Instruments, Inc. FDA	J. Schlueter
9/18		King of Prussia, PA	Public Meeting on BRC	NRC	J. Hickey
9/20		Atlanta, GA	Public Meeting on BRC	NRC	J. Hickey
9/25		Arlington, TX	Public Meeting on BRC	NRC	J. Hickey
9/27		Oakland, CA	Public Meeting on BRC	NRC	J. Hickey
9/28 9:00 a.m.		OWFN 6B-13	To meet with Pacific Nuclear Fuel Services (PNFS) to discuss spent fuel storage and PNFS designs to meet the provisions of Part 72	NRC PNFS	J. Roberts

SEPTEMBER 14, 1990

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>
9/19		OWFN 2F-21	Full System Chemical Decontamination Program Meeting	NRC General Electric	T. C. Johnson
9/19		OWFN 4B-11	Discuss Contaminated Soil Disposal at the Cimarron Uranium Plant	NRC	T. C. Johnson
10/17-19		Miami, FL	Attend LLW Forum Meeting	NRC	P. Lohaus

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>
9/23-27		Providence, RI	International Meeting on Reduced Enrichment for Research and Test Reactors	NRC	B. Horn
10/03	71-9231	OWFN 14B-11	Meeting on NAC-CTC Spent Fuel Transport Cask, Structural Analysis	NRC DOE NAC	E. Easton

ENCLOSURE 0

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>
9/18		Bethesda, MD	NRC/DOE QA Meeting	DOE State of Nevada	Ken Hooks
9/26-27		Denver, CO	NRC/DOE Unsaturated Zone Testing Technical Exchange	DOE State of Nevada	King Stablein

SEPTEMBER 14, 1990

ENCLOSURE 0

SEPTEMBER 14, 1990

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>
9/25-26/90		Holiday Inn 8120 Wisconsin Ave. Bethesda, MD	Nuclear Safety Research Review Committee Meeting	<u>Director's Office</u>	R. O. Meyer 492-3904

PUBLIC MEETINGS ON BELOW REGULATORY CONCERN

The NRC is holding public meetings to discuss its recently published Below Regulatory Concern (BRC) Policy Statement

9/25/90 1:00 PM		Arlington, TX Arlington Convention Center			A. Bill Beach Region IV 817/860-8100
9/27/90 9:00 AM		Oakland, CA Holiday Inn - Oakland Airport			Ross A. Scarano Region V 415/943-3700

ENCLOSURE Q

SEPTEMBER 14, 1990

September 14, 1990

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>
09/17		Baton Rouge, LA	NRC-DOE/Nevada meeting to discuss new maps for reactor sites	NRC, DOE, EG&G	E. Weinstein
09/18		Baton Rouge, LA	Post-Emergency Table Top Exercise at the River Bend facility - phase 2	AEOD, states, local parishes, federal agencies	E. Weinstein

ENCLOSURE 0

August 31, 1990 *

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>
10/03/90 9:30 a.m.	50-244	RI Office	SALP Board Meeting Ginna - RG&E	Selected RI Staff Members	Johnson

SEPTEMBER 14, 1990

ENCLOSURE Q

SEPTEMBER 14, 1990

Sept. 14, 1990

RII MEETING NOTICE

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>ATTENDEES/ PURPOSE</u>	<u>APPLICANT</u>	<u>NRC CONTACT</u>
09/20/90 1:00 p.m.		P'tree Plaza Atlanta, GA	Below Regulatory Concern Workshop	Public Meeting	Stohr
09/24/90		RII Office	Brunswick Self-Assessment	Licensee (CP&L), RII Staff	Reyes
09/24/90		RII Office	Florida Power Corp. Mgmt. Meeting - St. Lucie	Licensee, RII Staff	Reyes
09/27-28/90		Holiday Inn- Airport Atlanta, GA	Regional Backfit Workshop/ Reporting Requirements Workshop	Public Meeting	Reyes
10/4/90 6:30 p.m.		Miami, FL	Turkey Point Operator Certificate Presentation	Regional Administrator, Licensee	Reyes
10/5/90 9:00 a.m.		Miami, FL	Turkey Point SALP Presentation	Regional Administrator, selected RII & NRR Staff, Licensee	Reyes
10/16/90 10:00 a.m.		RII Office	Brunswick Enforcement Conference	Regional Administrator selected RII & NRR Staff, Licensee	Reyes

ENCLOSURE 0

SEPTEMBER 14, 1990

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>
09/17/90 1:00 p.m.	50-295	Region III	Commonwealth Edison Company, Zion - Quarterly Management Meeting	Licensee, Regional Administrator, and selected members of RIII Staff	Greenman
09/18/90 1:00 p.m.		Region III	MQS Inspection - Enforcement Conference	Licensee, Director, Division of Radiation Safety and Safeguards, and selected members of RIII Staff	Norelius
09/18/90		St. Mary Hospital	Discuss compliance with Order Instructions	Licensee, licensee attorneys, Regional Administrator, and selected members of RIII Staff	Norelius
09/19/90	50-346	Davis-Besse	Emergency Preparedness Exercise	Licensee, Deputy Regional Administrator, and selected members of RIII Staff	Norelius
09/24/90	50-282 50-306	Prairie Island	Site Visit	Commissioner Curtiss, Deputy Director, Division of Reactor Safety and Licensee	Martin

ENCLOSURE 2

SEPTEMBER 14, 1990

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>
09/25/90	50-263	Monticello	Site Visit	Commissioner Curtiss, Deputy Director, Division of Reactor Safety and Licensee	Martin
09/25-27/90		Region III	Resident Inspector Seminar	Director, Division of Reactor Projects and members of Region III Staff	Greenman
09/28/90	50-266 50-301	Point Beach	Routine Management Meeting	Licensee, Director, Division of Reactor Projects and members of Region III Staff	Greenman
10/02/90	50-346	Davis Besse	Toledo Edison Company, Davis Besse - Systematic Assessment of Licensee Performance	Licensee, Deputy Regional Regional Administrator and members of Region III Staff	Greenman
10/03/90	50-461	Clinton	Routine Management Meeting	Licensee, Deputy Regional Regional Administrator and members of Region III Staff	Greenman
10/04/90	50-331	Duane Arnold	Period Management Meeting	Licensee, Director, Division of Reactor Projects and members of Region III Staff	Greenman

ENCLOSURE 0

SEPTEMBER 14, 1990

Region IV Meeting Notice

September 14, 1990

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
9/17/90 1:00	50-458	St. Francisville LA	Discuss upcoming refueling outage	GSU management	E. Ford
10/9/90 1:30	50-298	Blair, NE	Cooper SALP meeting.	NPPD management	R. Azua
10/10/90	50-285	Ft. Calhoun, NE	Fort Calhoun SEP meeting.	OPPD management	
10/11/90 9:00	50-482	Burlington, KS	Wolf Creek SALP meeting.	WCNOC management	W. Jones

ENCLOSURE 0

SEPTEMBER 14, 1990

September 14, 1990

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>
10/3/90	50-528 50-529 50-530	Region V	Arizona Public Service Company Management Meeting on Palo Verde Facility	J. Martin R. Zimmerman H. Wong W. Conway, APS J. Bailey, APS	H. Wong

ENCLOSURE 0