FOI PDR

May 14, 1986

For:

The Commissioners

From:

T. A. Rehm, Assistant for Operations, Office of the EDO

Subject:

WEEKLY INFORMATION REPORT - WEEK ENDING MAY 9, 1986

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

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*No input this week.

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

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

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HIGHLIGHTS OF WEEKLY INFORMATION REPORT WEEK ENDING MAY 9, 1986

Hope Creek Generating Station

On Friday, May 2, 1986, a site alert was declared due to a loss of offsite power. Offsite power was lost at 1600 and restored at 1605. The event was caused by improper breaker lineup in the switchyard by a relay technician. The station's three diesel generators started properly. Operability of the fourth diesel generator had been exempted until initial criticality. In accordance with emergency procedures, state and local officials were informed of the event. The resident inspector is following the licensee's follow-up actions.

Hope Creek received a low power license on April 11. Fuel loading was completed April 27. The licensee anticipates achieving initial criticality on May 28.

Severe Accident Risk Assessment

The RES staff and supporting contractors are currently engaged in the reevaluation of the risk of six reference LWRs. This reevaluation is currently being used to support NRR's review of IDCOR submittals. In addition, it will support the staff report NUREG-1150, which is intended to provide guidance to decision-makers as to the appropriate role of information on core melt frequency, containment performance, source terms, and risk in making severe accident decisions.

An ACRS subcommittee meeting was held in Albuquerque, New Mexico, on May 1, 1986. The staff presented a detailed discussion of the methodology involved in the analyses for NUREG-1150, particularly the uncertainty methods. Preliminary results were presented for Surry, Peach Bottom, Sequoyah, and Grand Gulf. The overall reaction of the subcommittee and its consultants was generally favorable. The subcommittee is preparing a report on the status of the project which will be presented to the full ACRS at the June meeting.

NRC/DOE Comparability Study

A meeting was held on May 6, 1986, for the purpose of scoping the comparability study to be performed on fuel facilities handling weapons-usable nuclear material. Management personnel from DOE Naval Reactors, DOE Safeguards and Security, and NRC Safeguards finalized the terms of agreement concerning the focus of the study. This joint study, to assure that physical security at NRC-licensed Category I fuel facilities is comparable to that for weapons-usable materials and associated facilities under DOE jurisdiction, was initiated in December 1985 in a letter from Chairman Palladino to DOE Secretary Herrington.

Performance Indicators

The interoffice group on performance indicators met to complete an initial list of performance indicators and an outline of the trial program.

A staff member, Events Analysis Branch, will participate at the IAEA Second Consultants Group Meeting on Performance Indicators Related to Operational Safety May 12-16, 1986 in Vienna, Austria.

OFFICE OF ADMINISTRATION

Week Ending May 9, 1986

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	Initial Request	Appeal of Initial Decision	
Carryovers, 1985	181	15	
Received, 1986	328	71	
Granted	220	18	
Denied	64	9	
Pending	225	59	

ACTIONS THIS WEEK

Received

James B. Hamlin, Shaw, Pittman, Potts & Trowbridge (86-311)

Referral from the DOJ of seven records regarding a request for records concerning the South Texas Project.

The LSN Co. (86-312)

James E. Larson, Jr., Requests the name of the company who was awarded the contract for "Regulatory Process Training", under Request for Proposal No. RS-ADM-86-216.

John Goddard, Rocky Mountain Medical Physics. Inc. (86 - 313)

Requests a list of radioactive materials licensees in Wyoming and Montana.

Myron Scott. Coalition for Education (86-314)

Requests five categories of records related to allegations about the security staff and the use of Responsible Energy polygraphs at the Palo Verde plant, contacts regarding a related Department of Labor case, and an article in the Arizona Republic on February 26, 1986.

Al Stern, Al Stern Associates, Inc. (86-315)

Requests a list of those who responded to RFP NMS-86-003-09 for Operation of the Center for Nuclear Regulatory Analysis.

(NRC employee) (86-316)

Requests records regarding an OIA investigation.

CONTACT: Donnie H. Grimsley 492-7211

Received, Cont'd

Matt Haapala, Eberline (86-317)

Requests a list of recipients of IE Information Notice No. 86-30.

Jon Craig, Syracuse Herald-Journal (86-318)

Requests copies of the final OI report on allegations by QA inspectors at Nine Mile Point about intimidation by supervisors under contract with Niagara Mohawk Power Corporation and related records.

Peter J. Gallagher (86-319)

Requests records regarding the Chernobyl Soviet nuclear power plant incident and NRC activities.

Jane Parsons. Peat, Marwick, Mitchell & Co. (86 - 320)

Requests a copy of contract No. NRC-33-85-327.

James G. McCray, The University of Arizona (86-321)

Requests comments on the March 11, 1986, Federal Register Notice of NRC's intent to establish a Federally Funded Research and Development Center (FFRDC) and a list of personnel and organizations expressing an interest in FFRDC.

Richard Oare, Oare and Sanders (86 - 322)

Requests, on behalf of his client, records regarding an injury sustained by his client at the Peach Bottom nuclear power plant.

Joan A. Estrada, Professional Carpet Service (86 - 323)

Requests copies of all purchase orders and invoices for carpet installations, repairs and cleaning in NRC headquarters since January 15, 1986.

Susan L. Hiatt, (86 - 324)

Requests a copy of any testimony prepared by NRC staff OCRE Representative or consultants concerning the January 31, 1986, earthquake in Ohio and its effect on the Perry nuclear power plant, for presentation at the May 12, 1986, hearing on the Perry plant.

(NRC employee) (86 - 325)

Requests records regarding his security clearance.

(An individual requesting information about himself) (86-326)

Requests records in the NRC on himself.

Angus Mackenzie. Center for Investigative Reporting, Inc. (86 - 327)

Requests records which address the issue of how agency employees are instructed to process FOIA requests.

Received, Cont'd

Mark L. Travis, Concord Monitor (86 - 328)

Requests all inspection reports for inspections conducted at operating plants in Maine, Vermont, Massachusetts, Rhode Island and Connecticut from 1983 through 1986.

Melody Johnson (86-A-70-85-647)

APPEAL TO THE EDO for the release of the denied portions of two records regarding a request referred to the NRC from the FBI concerning a possible plutonium smuggling ring being operated within the Kerr-McGee Cimarron facility in Oklahoma.

Harry Voigt, LeBoeuf, Lamb, Leiby & MacRae

APPEAL TO THE COMMISSION for the lack of response to a request for a September 20, 1985, memorandum from William T. Russell to Harold R. Denton regarding the Stier (86-A-71-86-234) Report on TMI-2 Leak Rate Testing.

Granted

(An individual requesting information) (86-228)

In response to a request for copies of six specified security clearance forms, made available copies of the requested forms.

June Tamkin. Yale University (86 - 308)

In response to a request for a list of non-academic licensees in Region I, made available a copy of the requested record.

James B. Hamlin, Shaw, Pittman, Potts & Trowbridge (86-311)

In response to a referral from the DOJ of seven records regarding a request for records regarding the South Texas Project, informed the requester that these records are already available at the PDR.

Peter J. Gallagher (86-319)

In response to a request for records regarding the Chernobyl Soviet nuclear power plant incident and NRC activities, made available four press releases by the EPA.

Denied

Billie P. Garde, Government Accountability Project (86-223)

In response to a request for the denied portions of four records regarding the EG&G report on the Comanche Peak nuclear power plant with regard to harrassment and intimidation, denied the portions of three records containing proprietary information. Denied the portions of one record to prevent a clearly unwarranted invasion of personal privacy.

Thomas S. Knauf, Knauf & Knauf (86-246)

In response to a request, on behalf of his client, for records of a telephone conversation received by the NRC's Region I office concerning his client, denied six records in their entirety because they contain investigatory material compiled for an ongoing investigation of an allegation by a confidential source.

ENCLOSURE A

Denied, Cont'd

Albert V. Carr, Duke Power Company (86-A-8-85-584) In response to an APPEAL TO THE EDO for the release of six denied records in NRC's January 8, 1986, response regarding a request for records related to Enforcement Action No. EA-84-93 on the Catawba nuclear power plant, denied two records in their entirety and portions of four records, release of which would adversely affect the agency's deliberative process.

WEEKLY INFORMATION REPORT DIVISION OF CONTRACTS WEEK ENDING MAY 9, 1986

RFP ISSUED

RFP No.: RS-RES-86-117

Title: "Paleoliquefaction Features on the Atlantic Seabcard"

Description: The objective of this project is to catalogue the characteristics of seismicity induced liquefaction and paleoliquefaction features identified in the Charleston Earthquake area. Those characteristics will then be used to design and carry out an investigation program in selected areas of the Atlantic Coastal Plain and at least one area

that is relatively aseismic.

Period of Performance: 24 months

Sponsor: Office of Nuclear Regulatory Research

Status: RFP issued on May 2, 1986. Proposals due June 4, 1986.

RFP No.: RS-0IE-86-168

Title: "Independent Assessment and Analysis"

Description: Perform independent assessments of materials and components for reactor construction and operation including fabrication and installation to ensure licensee compliance with applicable codes, standards and federal regulatory requirements.

Period of Performance: 36 months

Sponsor: Office of Inspection & Enforcement

Status: RFP issued on May 7, 1986. Proposals due June 6, 1986.

PROPOSALS UNDER EVALUATION

RFP No.: RS-RES-86-116

Title: "FY'86 Small Business Innovation Research Program Solicitation"

Description: Objectives of the solicitation are to stimulate technological innovation in the private sector, strengthening the role of small business in meeting federal research and development needs, increasing the commercial application of NRC-supported research results and improving the return on investment from federally-funded research for economic and social benefits to the nation.

Period of Performance: Phase I - 6 months

Sponsor: Office of Nuclear Regulatory Research

Status: Competitive range to be established on June 3, 1986.

RFP No.: RS-0IE-86-154

Title: "Continuity of Government Programs"

Description: The objective of this project is to identify and select a contractor to provide logistical and administrative support for the maintenance and functioning of the NRC Continuity of Government (COG) Program. The contractor will assist in the development of the essential documents and guidance necessary to establish the revised NRC COG Program at both Headquarters and the Regional Offices; and provide support to the NRC for the implementation of the revised COG Program and training of NRC staff.

Period of Performance: Three years

Sponsor: Office of Inspection & Enforcement

Status: RFP closed on May 2, 1986. Proposals forwarded to Source Evaluators for review on May 6, 1986. Competitive range to be established on May 27, 1986.

PROPOSALS UNDER EVALUATION (cont'd)

RFP No.: RS-ORM-85-336

Title: "ADP Information Technology Support Center"

Description: End-user computing support service for users of NRC microcomputers

and NRC users of the NIH Computer Facility.

Period of Performance: 24 months

Sponsor: Office of Resource Management

Status: Best and Final offers received May 5, 1986, and forwarded to Source Evaluation

Panel for review on May 6, 1986.

RFP No.: RS-NRR-86-054

Title: "Program to Support Regional Operator Licensing Activities"

Description: The work conducted under this contract will provide technical expertise

to assist the NRC regional offices in administering initial, replacement and requalification examinations required in the process of licensing commercial nuclear power plant reactor operators (RO) and senior reactor

operators (SRO).

Period of Performance: Three years

Sponsor: Office of Nuclear Reactor Regulation

Status: Best and Final offers received and forwarded to Source Evaluators for review

on May 7, 1986.

CONTRACT AWARDED

IFB No.: RS-ADM-86-254

Title: "Cable Installation in NRC Occupied Space"

Description: The contractor shall furnish, install, modify and remove twinaxial

and coaxial signal cables which support the IBM 5520 word processing

system on an on-call basis.

Period of Performance: One year with one year renewal option.

Sponsor: Office of Administration

Status: A Fixed-Price Requirements type Contract No. NRC-10-86-254 was awarded

to Communications Systems Support, Inc., in the amount of \$23,937.50

effective May 8, 1986.

ADMINISTRATIVE MATTER

Hirt Telecom Company (Hirt) filed a protest with the General Accounting Office (GAO) on April 8, 1986, under IFB No. RS-ADM-86-254 for twinaxial and coaxial signal cable installation. The protest disputes the NRC's decision to reject its bid as nonresponsive and requests that contract award be made to Hirt. NRC's response to the protest is due to GAO by May 13, 1986. On May 8, 1986, the Head of the Procuring Activity approved award of Contract No. NRC-10-86-254 to Communications Systems Support, Inc. (CSS), the second low bidder under the solicitation. Award was made due to urgent and compelling circumstances and prior to resolution of the protest. GAO was notified of the NRC's decision to proceed with award on May 8, 1986.

OFFICE OF NUCLEAR REACTOR REGULATION

ITEMS OF INTEREST

Week Ending May 9, 1986

Palo Verde Unit 2

Three recent reports have been received on Palo Verde 2 relating to (1) a broken conductor affecting the operability of the load sequencer in Train A (4/26/86), (2) LOP actuation and apparent sequencer malfunction in Train A (4/28/86), and (3) design deficiency of module cards in BOP ESFAS Cabinets (4/29/86).

The staff is following up with the licensee on these issues. Based on what we have learned to date, it appears that all three issues can be traced to a single fault; namely the design of pin connectors and modules in the BOP ESFAS Cabinets. The pin connectors are manufactured by AMP Incorp, and the modules and cabinets are manufactured by General Atomics.

The licensee is currently evaluating the situation with both AMP and GA at the site. Currently both Units 1 and 2 are in Mode 5.

River Bend Station

At 1:30 p.m. CDT on May 1, 1986, River Bend Station experienced an inadvertent trip while conducting a startup test at 75% power. The startup test required control rods to be at the 100% power configuration. Prior to the scram, the licensee had reduced recirculation flow, and control rod positions were being set to the 100% power configuration. Noise spikes from a flow bias transmitter were then experienced on one of the scram divisions. The licensee inserted a half scram and declared the transmitter to be inoperable so that the transmitter could be replaced while operating at power. Noise spikes then occurred from the flow bias transmitter in the other division, resulting in a full scram. All trip functions appeared to operate normally.

At 2:39 a.m. CDT on May 5, 1986, while at 75% power, River Bend Station experienced a turbine run back. This turbine run back occurred when high temperature was sensed in the generator stator coolant return. It was reported that the high temperature setpoint for the generator stator had drifted to 20° centigrade below the design setpoint. This lowered setpoint effectively initiated generator stator coolant temperature alarm in the control room was not activated. As the turbine run back progressed, reactor system pressure increased, exceeding River Bend's limited steam bypass capability and causing a trip from high pressure. (River Bend Station's turbine bypass design is limited to 10% of full power steam flow).

Those trips were the 7th and 8th inadvertent scrams at River Bend in 1986. The licensee has completed and accepted the test results from Condition V and plans to go to the 100% power level for the first time on May 7, 1986.

Hope Creek Generating Station

On Friday, May 2, 1986, a site alert was declared due to a loss of offsite power. Offsite power was lost at 1600 and restored at 1605. The event was caused by improper breaker lineup in the switchyard by a relay technician. The station's three diesel generators started properly. Operability of the fourth diesel generator had been exempted until initial criticality. In accordance with emergency procedures, state and local officials were informed of the event. The resident inspector is following the licensee's follow-up actions.

Hope Creek received a low power license on April 11. Fuel loading was completed April 27. The licensee anticipates achieving initial criticality on May 28.

Region-III

The Regional Administrator and members of the regional staff, met on May 7, 1986, in the Regional Office with representatives of Cleveland Electric Illuminating Company to discuss the status of activities at the Perry Nuclear Power Station.

NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS WEEK ENDING MAY 9, 1986

1. DEFUELING

- No core defueling occurred during this week. The number of canisters transferred to the fuel pool remains at 42.
- Efforts to remove the biological contamination from the Reactor Coolant System (RCS) continued. Two batches of borated water treated with hydrogen peroxide were added to the RCS via the Standby Pressure Control System. The licensee established an initial 200 ppm residual concentration of peroxide as a biocide to kill the micro-organisms. Operation of the high pressure pump and hydrolance, and the Temporary Reactor Vessel Water Filtration System continued in parallel with the hydrogen peroxide addition. Approximately 50% of the reactor vessel annular area has been hydrolanced and scrubbed. The RCS water turbidity was 37 NTU as of May 11, 1986. The next step in the treatment program will include the drawing of about 15,000 gallons of water from the RCS to the bleed tanks and replenishment with clean RCS grade water. About four batches will be let down in this manner with the drained water being processed through the Submerged Demineralizer System (SDS) and EPICOR.

2. PLANT STATUS

- The reactor remains in long term cold shutdown, vented to atmosphere. Core cooling is by natural heat loss to ambient building atmosphere. The average incore thermocouple reading is 101°F. The increase is attributed to the heat generated by pressurizing RCS water with the Elliot pump. Water visibility is nearly 2 feet.
- The airborne radioactivity on the defueling platform is about 7.0 E-7 uCi/cc Tritium and 1.9 E-11 uCi/cc particulates, predominately Cesium-137. The platform is mounted above the modified internals indexing fixture which is mounted on the reactor vessel flange. These provide water coverage of 15½ feet over the core region. This water level is about 5 feet over the top of any debris canisters in the reactor vessel.

WASTE MANAGEMENT

The SDS total processed to date is 3,937,698 gallons.

- EPICOR II is shutdown. EPICOR II total processed to date is 2,891,476 gallons.

4. ENVIRONMENTAL MONITORING

 US Environmental Protection Agency (EPA) sample analysis results show that TMI site liquid effluents are in accordance with regulatory limits, NRC requirements, and the City of Lancaster Agreement.

TMI water samples taken by EPA at the plant discharge (includes TMI-1 and TMI-2) to the river consisted of seven daily composite samples taken from April 20 - 26, 1986. A gamma scan detected no reactor related activity above the lower limit detectability.

 The Lancaster water sample taken at the water works intake and analyzed by EPA consisted of a seven day composited sample taken from April 20 - 26, 1986. A gamma scan detected no reactor related

radioactivity.

- The NRC outdoor airborne particulate sampler at the TMI site collected a sample between May 1 - 8, 1986. No reactor related radioactivity was detected. Analysis showed Iodine-131 and Cesium-137 concentrations to be less than the lower limits of detectability.

5. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Scabbling of floor areas on the 281' elevation continued.

Vacuum cleaning of the 281' elevation continued.

6. PUBLIC MEETING

The Advisory Panel on the Decontamination of TMI-2 will meet with the NRC Commissioners on June 11, 1986 at 11:00 AM. The meeting will be held at the NRC conference room at 1717 H Street, N.W., Washington, DC.

7. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request number 49, and 51.
- Recovery Operations Plan Change number 31, 33, 35, and 36.

Core Stratification Safety Evaluation (Revision 3).
 Solid Waste Facility Technical Evaluation Report.

Reactor Building Sump Criticality Safety Evaluation Report.

 Canister Handling and Preparation for Shipment Safety Evaluation Report.

- Defueling Canister Technical Evaluation Report, Revision 2.

This past week the NRC approved GPUN's safety evaluation reports for Core Stratification Sample Acquisition (Revision 1) and Modification to Penetration 536.

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending May 9, 1986

Near-Term NRC Actions Under the NWPA

Section: 121(a) of NWPA: EPA Final HLW Standards

Status: The proposed Federal Register notice of revisions to conform Part 60 to EPA Standards (SECY-86-92) were submitted to the Commission in

late March 1986, for approval and publication in May 1986.

Section: 114(e)(2) of NWPA: Federal Agency Reporting Requirements

Status: With the issuance of the DOE final Project Decision Schedule (PDS) on April 3, 1986, the reporting requirements of Section 114(e)(2) are now effective. Any Federal agency that determines that it cannot comply with any deadline in the final PDS, or fails to comply, is required to submit a report to the Secretary of Energy and to Congress explaining the reason for such actual or potential noncompliance.

In the final PDS, NRC is scheduled to "Issue Proposed Amendment to conform 10 CFR Part 60 to EPA Standards" in March 1986. NRC is planning on issuing this amendment in early May 1986 [See Section 121(a)].

Section: 141(d) of NWPA: Licensing of MRS

Status: NRC has developed revisions to 10 CFR Part 72 to provide the licensing framework for the MRS, should it be authorized by Congress.

Action The Staff Requirements memo was received by the staff on April 21, 1986, and the proposed rule is being prepared for publication in the Federal Register.

Section: 306 of NWPA: Regulations for Training of Power Plant Personnel

Status: The final rulemaking on Part 55 and three associated regulatory guides (SECY-86-123) concerning regulations for Training of Power Plant personnel is currently awaiting OGC comments on backfitting. Commission approval is expected in early June.

Section: 117(a) of NWPA: Provision of Information to States/Tribes

Status: NRC staff recently held an information meeting (April 28 - May 2)

with affected States and Tribes in Las Vegas to discuss progress in

streamlining the licensing process.

Near-Term DOE Actions of Interest

May 1986 - Issue Notice of Proposed Rulemaking for Defense Waste Fee

May 1986 - DOE to issue final five Environmental Assessments for first repository

May 1986 - DOE to nominate and recommend candidate sites for site characterization

May 1986 - Secretary makes a Preliminary Determination on site suitability for a repository

May 1986 - DOE to issue Final Transportation Institutional Plan

Near-Term NRC Actions Under the LLRWPAA

Section: 10 of LLRWPAA: Exemption of specific waste streams from

regulation.

Provision: By July 1986 NRC must establish standards, procedures, and

technical capability to act upon petitions to exempt specific

waste streams from NRC regulations.

Action: Staff will forward its recommended policy to the Commission in

June 1986.

Shipping Container Response to Severe Highway and Railway Accident Conditions (Modal Study)

NRC has received a final draft report on the Modal Study from Lawrence Livermore National Laboratory (LLNL). The report culminates a multi-year effort by LLNL to investigate the relationship between existing spent fuel package design criteria and real world accident conditions, and provides a measure of the level of safety offered the public should packages designed to our standards encounter severe accident conditions. The report documents the supporting computer modeling engineering and probabilistic analyses performed by LLNL. At present, the final draft report is undergoing technical review by NMSS and RES staff. A peer review of the LLNL draft report by the Denver Research Institute is scheduled to begin immediately upon conclusion of staff review. NMSS and RES staff plan to prepare a brief summary of the Modal Study oriented toward the public concurrent with the peer review.

Kerr-McGee, West Chicago

NMSS personnel attended the ASLB evidentiary hearing on Kress Creek Decontamination from April 28 through April 30, 1986. The hearing was held in Chicago, Illinois.

NRC/DOE Comparability Study

A meeting was held on May 6, 1986, for the purpose of scoping the comparability study to be performed on fuel facilities handling weapons-usable nuclear material. Management personnel from DOE Naval Reactors, DOE Safeguards and Security, and NRC Safeguards finalized the terms of agreement concerning the focus of the study. This joint study, to assure that physical security at NRC-licensed Category I fuel facilities is comparable to that for weapons-usable materials and associated facilities under DOE jurisdiction, was initiated in December 1985 in a letter from Chairman Palladino to DOE Secretary Herrington.

Office of Inspection and Enforcement Items of Interest Week Ending May 9, 1986

- The following <u>Significant Enforcement Actions</u> were taken during the past week:
 - a. A Notice of Violation and Proposed Imposition of Civil Penalty was issued to Texas Utilities Electric Company (Comanche Peak) in the amount of \$120,000. This action was based on multiple violations involving intimidation with regard to quality assurance program implementation (EN 86-26).
 - b. Two Notices of Violations and Proposed Imposition of Civil Penalty were issued to Texas Utilities Electric Company (Comanche Peak) in the total amount of \$250,000. These actions were based on multiple violations which represented weaknesses in the applicant's reinspection, procurement, and installation programs (EN 86-27).
 - c. A Notice of Violation and Proposed Imposition of Civil Penalty was issued to Commonwealth Edison Company (Byron 2) in the amount of \$100,000. This action was based on inadequate maintenance, surveillance, and test procedures.
 - d. A Notice of Violation and Proposed Imposition of Civil Penalty was issued to the Arizona Nuclear Power Project (Palo Verde) in the amount of \$100,000. This action is based on multiple and repeated security violations (EN 86-28).
 - e. An Order Imposing Civil Penalty was issued to Commonwealth Edison Company (Byron) in the amount of \$25,000. This action was based on management feilures to prepare and fellow procedures and evaluate radiological conditions (EN 85-68A).
- 2. The following <u>IE Preliminary Notifications</u> were issued during the past week:
 - a. PNO-I-86-35, E. R. Squibb & Sons, Inc. (New Brunswick, NJ), Theft of Licensed Material.
 - PNO-I-86-36, Public Service Electric and Gas Company (Hope Creek), Loss of Offsite Power to Vital Busses.
 - c. PNO-I-86-37, Boston Edison Company (Pilgrim), Laborers Strike at Pilgrim.
 - d. PNO-III-86-25C, Toledo Edison Company (Davis-Besse), Apparent Crack Indications in Reactor Coolant Pump Shafts (Third Update).
 - e. PNO-IV-86-15, Omaha Public Power District (Fort Calhoun), Inadvertent Release of Radioactive Gas.

- f. PNO-IV-86-16, Texas A&M University (College Station, TX), Unanticipated and Uncontrolled Change in Core Reactivity Greater than One (1) Dollar.
- g. PNO-V-86-26, Portland General Electric Company (Trojan), Failed Steam Generator Hydraulic Snubbers.
- h. PNO-V-86-27, Pacific Gas and Electric Company (Daiblo Canyon 2), Loss of one independent offsite circuit.
- 3. The following <u>IE Information Notices</u> and <u>IE Bulletins</u> were issued during the past week:
 - a. IE Information Notice No. 86-28, Unauthorized Transfer and Loss of Control of Industrial Nuclear Gauges was issued to all NRC licensees authorized to possess and use industrial nuclear gauges.
 - b. IE Information Notice No. 86-29, Effects of Changing Valve Motor-Operator Switch Settings was issued to all nuclear power reactor facilities holding an operating license (OL) or a construction permit (CP).
 - c. IE Information Notice No. 86-31, Unauthorized Transfer and Loss of Control of Industrial Nuclear Gauges was issued on May 5, 1986 to all NRC Licensees authorized to possess and use industrial nuclear gauges.

4. Other Items

a. Senior Management Meetings

Director, IE participated in a tour of the St. Lucie facility May 8 and in the enforcement conference May 9 with Florida Power and Light Company regarding St. Lucie.

b. <u>Civil Penalties Paid</u>

Louisiana Power and Light (Waterford 3) in the amount of \$110,000 for violations involving the breakdown of the quality assurance program (EA 85-10).

c. Operations Center

- (1) The Incident Response Branch Chief and staff members presented the Emergency Response Data System concept to the Atomic Industrial Forum Subcommittee on Emergency Preparedness and Response. The discussion covered other matters regarding NRC and the federal government's approach to responding to radiological emergencies.
- (2) The Incident Response Branch Chief participated in Region IV's federal, state, and licensee workshop to promote coordinated emergency preparedness and response.

(3) The NRC Chernobyl Incident Tracking Team is continuing to coordinate the agency's response to the event from the Operations Center.

d. Vendor Program

The following Vendor Program Branch inspections were conducted this week:

- (1) Nuclear Packaging, Inc., Federal Way, WA to observe the fabrication and retrofit activities underway on transportation casks (especially OH-142 Type B cask), verify implementation of the QA program, verify compliance with standards, 10 CFR 71 and 10 CFR 21, and review QA records for the two 125-B casks being used for shipment of the TMI-2 defueling canisters.
- (2) Detroit Edison, Warren Service Center, Detroit, MI witness testing of the Reactor Protection System trip breaker that failed at Fermi-2 on March 16, 1986.
- (3) General Public Utilities, Oyster Creek NPS, Forked River, NJ obtain information concerning the setpoint drift of Static-O-Ring pressure switches.
- (4) Wyle Laboratories, Huntsville, AL observe implementation of the QA program during testing of the 18" butterfly valve for CP&L.

Other Vendor Program Activities:

- (5) A member of the Vendor Program Branch attended an ASME subcommittee meeting on Nuclear Accreditation in Baltimore.
- (6) A member of the Vendor Program Branch assisted Region IV in an inspection of the SAFETEAM program at Comanche Peak.

e. Safety System Functional Inspections

An SSFI has commenced at Oconee; entrance meeting was conducted at corporate headquarters this week.

f. Performance Indicators

- (1) The interoffice group on performance indicators met to complete an initial list of performance indicators and an outline of the trial program.
- (2) A staff member, Events Analysis Branch, will participate at the IAEA Second Consultants Group Meeting on Performance Indicators Related to Operational Safety May 12-16, 1986 in Vienna, Austria.

g. Emergency Preparedness

- (1) A draft guidance memorandum prepared by FEMA, "The Ingestion Pathway," was forwarded to the regions for review and comment.
- (2) Prepared a number of statements on emergency preparedness for use by the Interagency Task Force to coordinate the government's response to the nuclear reactor accident at Chernobyl.

h. Quality Assurance

Two members of the Quality Assurance Branch attended the ASME's QA and Stamping Work Group meetings in Baltimore.

i. Generic Issues

A member of the Engineering and Generic Communications Branch attended a meeting of ASME Section IX in Baltimore regarding welding qualifications.

j. TVA Activities

- (1) A staff member, Vendor Program Branch, participated on an NRC Task Force investigating allegations at TVA this week.
- (2) Staff members of the Engineering and Generic Communications Branch will be participating in the ongoing inspection at the TVA Engineering Office in Knoxville, TN May 12-16, 1986.
- (3) Staff members of the Operating Ractors Program Branch and the Vendor Program Branch participated at the B&W Counterpart meeting in Chattanooga, TN.

k. <u>Congressional Briefing</u>

Director, IE, testified before the House Select Committee on Narcotics. FAA and the Federal Railroad Administration also testified. The questioning centered on agency requirements for regulated industries and federal employees, with particular emphasis on chemical testing.

OFFICE OF NUCLEAR REGULATORY RESEARCH

Items of Interest

Week Ending May 9, 1986

ROSA-IV

NRC has a cooperative agreement with the Japan Atomic Energy Research Institute (JAERI) to obtain data from the ROSA-IV Large Scale Test Facility (LSTF), the largest thermal hydraulic test loop in the world for investigating small break loss-of-coolant accidents (SBLOCAs) and operational transients, in exchange for instrumentation and computer codes. The 5th JAERI-USNRC ROSA-IV Program Review Meeting was held at JAERI on April 24-25, 1986. Highlights of the ROSA-IV test results presented by JAERI personnel at the meeting are as follows:

- Ishii's entrainment correlation which is used in the TRAC-PF1/MOD1 code will overpredict the amount of liquid entrainment for various system pressures when compared to a set of data obtained from the ROSA-IV Two-Phase Test Facility (TPTF). A new correlation for the onset of liquid entrainment based on these TPTF data was developed by JAERI. The correlation could be incorporated in TRAC-PWR and RELAP5 codes for improving the calculation of liquid entrainment.
- To better understand the phenomena of liquid holdup in the steam generator (S.G.) U-tube and core heatup during SBLOCAs, JAERI has conducted three 5 percent SBLOCA tests in LSTF. One of these tests was intended to be the counterpart test of the Semiscale test S-LH-1. However, because an excessive bypass flow resulting from unexpected vessel leakage, a real counterpart test of S-LH-1 was not simulated.
- To study core cooling mechanisms due to single-phase, two-phase natural circulation (NC) and reflux boiling modes at steady state conditions, JAERI has conducted two natural circulation (NC) tests in LSTF. The test results showed: (1) for the single-phase NC, there is a non-uniform flow distribution in each S.G. (i.e., the taller S.G. U-tubes will exhibit flow stagnation) and a symmetrical flow occurs in both loops, (2) for the two-phase NC, the natural circulation flow increases as the vessel mass inventory decreases below 90 percent, and the maximum loop flow occurs at 75-80 percent mass inventory (note that the maximum flow will occur after most S.G. U-tubes are in the two-phase condition), and (3) for reflux condensation mode, the circulation flow stops and reflux cooling mode begins when the vessel mass inventory decreases to 55-65 percent.

Termination of the Marviken Aerosol Transport Test Program

On April 26 Studsvik (Sweden) stated its intent to halt the Marviken Aerosol Transport Test Program (MX-V-ATT) and to restore the Marviken facility to its pre-program status.

The MX-V-ATT program conducted four major tests and a series of smaller tests over a four year period. The data from the tests has been used for validation of reactor coolant system aerosol transport codes such as TRAP-MELT.

The Studsvik decision followed an unsuccessful attempt to obtain sufficient financial support from current program partners to initiate additional tests.

International Workshop on Containment Integrity

RES is sponsoring an International Workshop on Containment Integrity to be held at the Washington Marriott Hotel on May 21-23, 1986. This is the third containment integrity workshop that RES has sponsored. The purpose of this international workshop is to bring together U.S. and foreign experts to discuss and exchange views on research programs and operational experience dealing with the integrity of containment systems under design and severe accident conditions. International participation will include representatives from Argentina, Belgium, Canada, France, Federal Republic of Germany, Italy, Japan, Netherlands, Sweden, Switzerland, and the United Kingdom. Subjects to be covered in the workshop are: (1) containment integrity as a part of risk assessment; (2) operational experience and its relationship to containment performance during accident conditions; (3) containment environment and loading conditions during severe accidents and; (4) analysis and testing of containment systems. Contact James Costello, RES (phone 443-7699) if more information is desired.

MAY 9 1986 ENCLOSURE E

RES RULEMAKING ACTIVITIES

Emergency Core Cooling Systems; Revisions to Acceptance Criteria (Part 50)

(Appendix K)

The proposed rule would amend regulations concerning acceptance criteria for emergency core cooling systems (ECCS) by changing the methods used to demonstrate that an ECCS would protect the nuclear reactor core during a loss-of-coolant accident. Because the proposed rule represents a significant change in a regulatory requirement, the staff is currently preparing a summary of ECCS research performed over the last 10 years which will serve as the technical basis for the proposed rule and a regulatory guide which will provide definition of what constitutes an acceptable best estimate model and acceptable methods of performing the uncertainty evaluation.

A meeting was held on April 30, 1986, with the Thermal Hydraulic Phenomena Subcommittee of the ACRS to review activities associated with revision of the ECCS rule. Two peer review panels have been formed to review and recommend correlations for thermo-hydraulics and fuel rod behavior. These recommendations will be included in the regulatory guide to be issued with the ECCS rule. Preliminary results of the study of the risk implications of the ECCS rule revision indicate that, while there may be some impact on individual accident sequence emergencies, there should not be a significant impact on overall risk.

The current estimate is that office concurrence on the Commission paper will be completed by the end of May, the paper will be sent to the EDO in June, and will go to the Commission in July.

Severe Accident Risk Assessment

The RES staff and supporting contractors are currently engaged in the reevaluation of the risk of six reference LWRs. This reevaluation is currently being used to support NRR's review of IDCOR submittals. In addition, it will support the staff report NUREG-1150, which is intended to provide guidance to decision-makers as to the appropriate role of information on core melt frequency, containment performance, source terms, and risk in making severe accident decisions.

An ACRS subcommittee meeting was held in Albuquerque, New Mexico, on May 1, 1986. The staff presented a detailed discussion of the methodology involved in the analyses for NUREG-1150, particularly the uncertainty methods. Preliminary results were presented for Surry, Peach Bottom, Sequoyah, and Grand Gulf. The overall reaction of the subcommittee and its consultants was generally favorable. The subcommittee is preparing a report on the status of the project which will be presented to the full ACRS at the June meeting.

OFFICE OF INTERNATIONAL PROGRAMS WEEK ENDING MAY 9, 1986

Foreign Visitors

On Monday Mr. Tiee-min Liang, Chief, Nuclear Engineering Department. Taiwan Power Company, met with Chris Grimes, NRR, to discuss the status of the Systematic Evaluation Program, Mark III CTMT Hydrogen Control and FSAR Update (10 CFR 50.71).

On Thursday a 12-member Japanese delegation of Socialist party members of Hokkaido Island's Assembly visited NRC. The delegation is on a fact finding tour of U.S. high-level waste (HLW) installations to learn more about possible implications of the HLW facilities which the Japanese government is planning to build near Horonobe City in Hokkaido. NMSS briefed the visitors on the U.S. HLW program and interagency responsibilities.

Foreign Trip Reports

Donald R. Hopkins, Senior Health Physicist, RES January 13-17, 1986; Visited Austria:

The purpose of this trip was to participate in the IAEA Advisory Group Meeting on the Transport Regulation Revision Process in Vienna. The subject of the meeting was to look at IAEA past experience and to advise on future steps the Agency should take for the regulation of the safe transport of radioactive material.

Richard W. Froelich, DHFT, NRR January 26-February 13, 1986; Visited Egypt:

Mr. Froelich participated in the IAEA/Egypt Workshop on Environmental Impact Assessment of Nuclear Power Plants held in Nasr City, Egypt. He was responsible for presenting Workshop Module WE-4, Staffing and Organization for Environmental Impact Assessment. He also visited the proposed site of the Egyptians' nuclear power plant.

Robert T. Curtis, Branch Chief, DAE, RES February 15-March 2, 1986; Visited France and Italy:

Mr. Curtis held discussions with Andre Schmitt, CEA, in Fontenay-aux-Roses, France regarding the continuation of the SIMMER program at LANL. The CEA will send an additional staff member to Los Alamos to work on the Advanced Fluid Dynamics Model (AFDM). Mr. Curtis participated in the CSNI Specialist Meeting on Core Debris/Concrete Interactions at the OECD in Paris. He also participated in the OECD Loss-of-Fluid Test (LOFT) Management Board Meeting in Paris. In Rome, he attended the meeting of the Light Water Reactor Aerosol Containment Experiments (LACE) management board.

Foreign Trip Reports continued

Thomas T. Martin, Director, DRSS, Region I April 7-11, 1986; Visited Austria:

Mr. Martin participated in the IAEA Seminar on Regulatory Inspection During Nuclear Power Plant Construction, Commissioning and Operation. Mr. Martin opened Session I with a talk on "The Interface Between Regulatory Inspection and the Licensee's Quality Assurance Program," a subject selected by the IAEA.

OFFICE OF STATE PROGRAMS ITEMS OF INTEREST WEEK ENDING MAY 9, 1986

Low-Level Waste Meeting

Jerome Saltzman (OSP) and Rob MacDougall (WM) met on May 7 in Denver, Colorado, with State and compact officials assembled as a National Governors' Association sponsored low-level radioactive waste management group to discuss NRC implementation of the Low-Level Radioactive Waste Policy Act Amendments of 1985.

MAY 9 1986 ENCLOSURE H

OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA

ITEMS OF INTEREST

Week Ending May 9, 1986

A special study report, AEOD/S602, "An Overview of Nuclear Power Plant Operating Experience Feedback Programs," was issued on May 9, 1986. The report is based on a review of the requirements and guidance available to licensees; eight visits to licensee facilities, including observing one INPO plant evaluation of the operating experience review area; and discussions of program issues with the NRC staff and INPO.

Based on the study, it is AEOD's view that many licensee programs have not yet achieved effective performance levels in all areas. Most plants are making moderate, not extensive, use of their in-house operating experience and in general less use is made of the large body of knowledge associated with events that occurred elsewhere in the industry. Thus, there is not a high confidence that all the important lessons of operating experience are being thoroughly explored and used. The yield from the screening, assessment, and feedback activities of the NRC, INPO and others in terms of voluntary changes in plant hardware, procedures and training programs by licensees, and the associated reduction in component failures and plant events, seems smaller than expected. In addition, the amount of operating information fed back directly to plant operators, trades personnel, technicians and other non-supervisory personnel is also less than expected. Finally, AEOD found the large volume of operational experience feedback that licensees must deal with is degrading the effectiveness of the feedback programs.

AEOD's assessment indicates that licensee operational experience (OE) review activities need further attention and upgrading. Licensees, assisted by the industry or the NRC, can implement improvements within the existing regulatory requirements, and they have the primary responsibility for implementing effective programs. The AEOD recommendations recognize the on-going industry efforts in this area, and do not propose any major regulatory actions at this time. AEOD recommends monitoring the industry initiatives for about two years and then taking regulatory actions if the effectiveness of OE review activities have not improved. AEOD has made recommendations for what are considered prudent staff actions in several areas.

DEPUTY EXECUTIVE DIRECTOR FOR REGIONAL OPERATIONS AND GENERIC REQUIREMENTS (DEDROGR)

Week Ending May 9, 1986

CRGR

Attached is a summary of the CRGR activities for the period April 1 through April 30, 1986. Background material on topics reviewed by the Committee and the minutes of CRGR meetings are sent to the Commission. Copies are provided to the Public Document Room after the NRC has considered (in a public forum) or decided the matter addressed by the documents. Questions concerning this monthly report should be referred to Walt Schwink (492-8639).

MAY 9 1986

Date: May 9, 1986

Meeting No. Meeting Date (Announcement Date)	Agenda	CRGR Status	CRGR Recommendation to EDO	EDO Action
89 4/16/86	Review, Staff Long-Range Approach for Dealing with Stress Corrosion Cracking in BWR Piping, Draft NUREG-0313 Revision 2 -Sponsoring Office - NRR -Category 2 Item -Issue #56 (40)	Complete	CRGR recommended that the proposed package be modified and reviewed by the CRGR Chairman prior to issuance for comment.	No action necessary at this time because NRR has not yet taken a position on the CRGR recommendations.
88 4/10/86	Briefing, Current Status of Source Term Work -Sponsoring Office - RES -Category 2 Item	Complete	No CRGR recommendation necessary.	None required.
	-Issue #137 Briefing, Implementation	Pending	No CRGR recommendation necessary	None required.
	Plan for the Severe Accident Policy Statement and Reg. Use of New Source Term Info.		at this time. CRGR review of this item should be scheduled for later this year.	
	-Sponsoring Office - NRR -Category ? Item -Issue #11			
ENCLOSURE	Review, Proposed Resolution of USI A-17, Systems Inter- actions in Nuclear Power Plants	Pending	CRGR recommended that the staff revise the package to eliminate ambiguities and focus on concerns that staff believes need additional work. CRGR should then rereview	No action necessary at this time because NRR has not yet taken a position on the CRGR recommendation.
Z.	-Sponsoring Office - NRR -Category 2 Item -Issue #138		the revised package.	

DATE/TIME	DOCKET NUMBER	LOCATION	PURPOSE	APPLICANT/ ATTENDEES	NRR CONTACT
5/12/86 1:00 p.m.	50-390 50-391 50-327 50-328,e	Rm. P-114/118 Phillips Bldg. tc.	Discuss TVA's Employee Concern Program and how TVA's Inspector General interacts with that pro- gram	NRC/TVA	T. J. Kenyon
5/13/86 9:00 a.m.		Rm. P-114 Phillips Bldg.	Discuss best estimate LOCA, Rapappk Methology	NRC/ENC	G. Norman Lauben
5/13/86 1:00 p.m.	50-237, 249/254 265	Rm. P-114 Phillips Bldg.	Discuss Seismic Evaluation Cri- teria and Methology for Dresden and Quad Cities	NRC/CECo	R. A. Gilbert
5/14/86 8:00 a.m.	50-245	Rm. P-730 A Phillips Bldg.	Additional Justification for Appendix R Exemptions (NNECO letter 11/21/85)	NNECO/NRC	J. J. Shea
5/15/86 9:00 a.m.	50-029	Rm. P-114 Phillips Bldg.	Discuss current program for completing Detailed Control Room Design Review	Yankee Atomic Electric Co.	J. W. Clifford
5/15/86 9:00 a.m.	50-272 50-311	Rm. 5033 Air Rights III Bldg.	Discuss proposed RTD bypass mani- fold elimination on Salem 1 & 2	NRC/PSE&G	D. C. Fischer
5/15/86 10:00 a.m.	50-289	Rm. P-110 Phillips Bldg.	Discuss GPUN's request for TMI-1 to allow operation with up to a 70% throughwall tube repair limit	NRC/CASS DODD	J. Thoma

^{*} 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

NRR MEETING NOTICES*

MAY 9, 1986

DATE/TIME	DOCKET NUMBER	LOCATION	PURPOSE	APPLICANT/ ATTENDEES	NRR CONTACT
5/19-21/86 8:00 a.m.	50-029	5/19-Yankee Nu- clear Power Sta. Rowe, MA 5/20&21-Yankee Atomic Electric Co.	Perform plant walkdown to inspect Seismic supports, and discuss bases for licensee's SEP Seismic Evaluation, etc.	NRC/Yankee Atomic Electric Company	J. W. Clifford
5/20/86 9:00 a.m.	50-412	Rm. P-110 Phillips Bldg.	Discuss with DLC its progress in the WHIPJET Program	NRC/DLC	P. Tam
5/20/86 9:00 a.m.		Rm. P-118 Phillips Bldg.	Tutorial seminar on use of the recently issued report NUREG/CR-4568	NRR Professionals & Managers	T. P. Speis
5/20/86 9:00 a.m.	50-335 50-389	Rm. 6110 Maryland National Bank Building	Discuss the Safety Parameter Display System (SPDS) Progress Review Report Transmitted to licensee	NRC/FP&L	E. Tourigny
5/20-22/86	50-443	Information and Education Center Seabrook Site Seabrook, NH	Perform an audit of the Sea- brook Safety Parameter Display System	NRC/PSNH	V. Nerses

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

MAY

9 1986

NMSS MEETING NOTICES

FOR WEEK ENDING: 5/9/86

Division of Fuel Cycle and Material Safety

DATE/TIME	DOCKET NUMBER	LOCATION	PURPOSE	ATTENDEES/ APPLICANT	NRC CONTACT
5/12-14/86		Paducah, KY	To attend meeting at the Puducah gaseous diffusion plant to discuss the safety review and documentation program for UF ₆ handling.	W. Crow (FC) S. Pennington (FC)	Crow
5/21-23/86		Livermore, CA	To attend briefing on shipper container response to severe accident conditions at LLNL.	J. Cook (FC)	Cook

DIVISION OF WASTE MANAGEMENT

May 19-22	Charleston, WV	To attend 18th Annual Nat'l Conference on Radiation Control	RBrowning	RBrowning
May 20-23	Charleston, SC	To attend 2nd Radioactive Exchange Decisionmakers' Forum	RBrowning	RBrowning
May 22-23	Alexandria, VA	1986 Washington Conference on LLW Disposal & Cleanup	SBahadur	SBahadur

DIVISION OF SAFEGUARDS

None

ENCLOSURE P

OSP MEETING NOTICES

May 9, 1986

DATE/TIME

LOCATION

PURPOSE

ATTENDEES

NRC CONTACT

5/19-22, 1986

Charleston, West Virginia Annual Meeting of Conference of Radiation Control Program Directors, Inc. NRC Staff; State Radiation Control Program Directors & Staffs; EPA & FDA Representatives FYoung

RII MEETING NOTICE

ec						
1986	DATE/TIME	DOCKET NUMBER	LOCATION	PURPOSE	ATTENDEES/ APPLICANT	NRC CONTACT
	05/12/26 pm		Pt. Gibson, MS	Dr. Grace will be presenting Operator Certificates at the Grand Gulf Site	Licensee representatives, Regional Administrator, and Resident Inspectors	Grace
	05/14/86		Atlanta, GA	Backfit Workshop	Industry, Headquarters and Regional Staff Members	Sniezek
			New Hill, NC	Shearon Harris Full Scale Emergency Drill	Licensee and Selected RII Staff Members	Stohr
	05/16/86 9:00 am		Hartsville, SC	Robinson Enforcement Conference	Same as above	Reyes
	05/19-23/86		RII Office	Supervising Human Resources Course being given in RII	Selected Managers and RII Staff Members	Maley
	05/20/86		RII Office 11:30 am	Meeting with representtives of FP&L (Turkey Point) diesel generator problems	Licensee and Selected RII Staff Members	Gibson
	05/22/86 1:00 pm		RII Office	Sequoyah Enforcement Conference	Licensee and Selected Region II Staff Members	Reyes
	05/28/86 9:00 am		Lynchburg, VA	Discussion of NRC Observa- tion of Licensee's Activities regarding the Regulatory Process	Licensee and Selected RII Staff Members	Stohr
	9:00 am		RII Office	Browns Ferry Enforcement Conference	Same as above	Reyes
ENCL	05/29/86 8:30 am		RII Office	Crystal River SALP Board Meeting	Selected HQs and RII	Reyes