

July 23, 1986

For: The Commissioners
From: T. A. Rehm, Assistant for Operations, Office of the EDO
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING JULY 18, 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.

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PDR COMMS NRCC
WEEKLYINFOREPT PDR



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

Contact:
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492-7781

HIGHLIGHTS OF WEEKLY INFORMATION REPORT

WEEK ENDING JULY 18, 1986

Seabrook Unit 1

New England Coalition on Nuclear Pollution, Massachusetts Attorney General's Office and Seacoast Anti Pollution League have filed motions opposing the Applicant's motion for an operating license authorizing low power operation.

On a matter potentially affecting the full power license, FEMA has filed a motion with the Board, for changing the hearing schedule on emergency planning contentions from August 4, 1986, to October 20, 1986. FEMA noted that the December 6, 1985 New Hampshire Emergency Plan (for which hearings were scheduled to begin August 4, 1986) has been substantially altered in a June 3, 1985, revision and will be again substantially altered in a revision to be submitted in August 1986. Therefore, FEMA considers litigating the December 1985 version maybe counter-productive to the resolution of the off-site emergency preparedness issues at Seabrook.

Sequoyah Fuels Corporation, Gore, Oklahoma (SFC)

On July 14, 1986, representatives of NMSS and IE met with representatives of Sequoyah Fuels Corporation (SFC) to provide them with questions and comments on the information submitted relative to SFC's request for authorization to resume production of uranium hexafluoride. The revision of the Emergency Contingency Plan was also discussed. No major issues of contention were identified.

At the July 14 meeting, SFC indicated that there are some ancillary systems, not associated with the production of UF_6 , that need to be operated irrespective of the staff decision on the restart authorization. These systems include the operation of solvent extraction, evaporation, and raffinate treatment to handle liquid waste that has accumulated onsite since the accident. SFC was informed that they should make the request in writing and provide a justification for operation of this equipment.

Issuance of Renewal of the License to Possess-But-Not-Operate the Reactor Facility on the N.S. Savannah

On July 15, 1986, the Office of Nuclear Reactor Regulation renewed license No. NS-1 for the continued possession-only of the nuclear reactor facility on the N.S. Savannah, which is located at Patriot's Point, South Carolina.

The license for possession of the N.S. Savannah facility is held jointly by the U. S. Maritime Administration and the Patriot's Point Development Authority.

The nuclear-powered ship was initially operated in 1961, and after several years and world-wide travel was shut down and defueled in 1970. The ship is moored at Patriot's Point, near Charleston, SC, where it is open to the public as part of an historical museum. The license for possession-only was renewed until July 15, 1996.

OFFICE OF ADMINISTRATION

Week Ending July 18, 1986

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Carryovers, 1985	101	15
Received, 1986	530	112
Granted	350	41
Denied	104	21
Pending	257	65

ACTIONS THIS WEEK

Received

J. Fred Reeves (86-515)	Referral from the FBI of one record regarding an NRC contract for a study, "Analysis of Small Encounter Experience."
Homi Minwalla, Pars Associates, Inc. (86-516)	Requests a copy of the successful proposal under contract NRC-03-86-054.
Steven Aftergood, Committee to Bridge the Gap (86-517)	Requests four categories of records regarding the accident at the Soviet Union's Chernobyl plant.
Steven Aftergood, Committee to Bridge the Gap (86-518)	Requests three categories of records related to the formation of an NRC-DOE team to study the comparability of safeguards for category I fuel facilities.
David Sedgwick, The Detroit News (86-519)	Requests a copy of the NRC report on a control room mishap at the Fermi 2 nuclear power plant on July 1, 1985.
Mary K. Erickson, Advanced Quality Systems (86-520)	Requests copies of quarterly reports for 1984, 1985, and 1986 showing shipments by Smith-Kline Beckman and LKB Productor.
Julio Henriquez, Self-Powered Lighting Inc. (86-521)	Requests a copy of the license issued to Armson, Inc., authorizing the licensee to sell unassembled tritium gunsights.

CONTACT: Donnie H. Grimsley
492-7211

JULY 18, 1986

ENCLOSURE A

Received, Cont'd

Joseph Halapatz (86-522)	Requests a copy of the official documented technical basis submitted by the applicant in support of compliance with SER Section 6.2.7, "Fracture Prevention of Containment Boundary" for Millstone 3.
(NRC employee) (86-523)	Requests a copy of an OIA report.
Shirley L. Gerard, The Gerard Company (86-524)	Requests a copy of the prior contractor proposal related to RFP ADM-87-169.
Cindee Virostek, Kiski Valley Coalition (86-525)	Requests copies of all inventory reports maintained by NRC related to six specified licenses related to the B&W facilities in Apollo and Parks Township, Pennsylvania.
Cindee Virostek, Kiski Valley Coalition (86-526)	Requests copies of all nuclear material discard reports for all accounts regarding B&W facilities in Apollo and Parks Township, Pennsylvania.
Cindee Virostek, Kiski Valley Coalition (86-527)	Requests copies of two forms: AEC-101 and AEC-388.
(NRC employee) (86-528)	Requests seven categories of records relating to herself.
Steven Aftergood, Committee to Bridge the Gap (86-529)	Requests a copy of a July 3, 1984, memorandum from William Dircks to J. Davis, entitled, "ASLB--Allegations Concerning Three NRC Employees."
Cindee Virostek, Kiski Valley Coalition (86-530)	Requests all records relating to the Research and Development Program, PA-OP-V-Project 1 regarding the B&W facilities in Apollo and Parks Township, Pennsylvania.
Billie P. Garde, Government Accountability Project (86-A-107-85-490)	APPEAL TO THE EDO for the lack of response to a request for records regarding the Farley nuclear power plant.
Billie P. Garde, Government Accountability Project (86-A-108-85-548)	APPEAL TO THE EDO for the lack of response to a request for records regarding the Farley nuclear power plant.

Received, Cont'd

Billie P. Garde, Government Accountability Project (86-A-109-86-213)	APPEAL TO THE EDO for the release of the denied portions of eight records regarding a request for records from October 1, 1984, which relate to the reports listed in Board Notification 84-149.
Billie P. Garde, Government Accountability Project (86-A-110-85-59)	APPEAL TO THE EDO for the release of denied records in NRC's June 11, 1986, response regarding the Comanche Peak nuclear power plant.
Billie P. Garde, Government Accountability Project (86-A-111-86-157)	APPEAL TO THE COMMISSION for the release of two denied records regarding a request for records of agency communications concerning a named individual relating to the Comanche Peak nuclear power plant.
Billie P. Garde, Government Accountability Project (86-A-112-86-181)	APPEAL TO THE COMMISSION AND THE EDO for the release of 15 denied records regarding a request for records regarding reports listed in Board Notification 84-149, dated August 23, 1984 and published by OI.

Granted

Billie P. Garde, Government Accountability Project (86-191)	In response to a request for records related to OI Report A4-85-020 regarding the OI review of the Comanche Peak Safeteam Program, made available 10 records.
R. Kent Edwards, Syncor International Corporation (86-300)	In response to a request for copies of all records for Summa Medical, made available 11 records. Informed the requester that one additional record subject to this request is already available in the PDR in file FOIA-86-284.
Billie P. Garde, Government Accountability Project (86-375)	In response to a request for records related to Draft Office Letter #50, March 27, 1986, made available two records. Informed the requester that one additional record subject to this request is already available at the PDR.
Larry C. Lowe, Morgenstein, Ladd & Jubelirer (86-462)	In response to a request for two categories of records regarding an accident at the SL-1 reactor in Idaho in 1961, except for those records released under FOIA-79-112, informed the requester that the NRC has no additional records subject to this request. Informed him that DOE may have additional records.

Granted, Cont'd

Anthony L. Kimery
(86-473)

In response to a request for copies of the specific regulations and/or the NRC policy with respect to personal protection for workers in that area of UF6 processing that entails final loading, informed the requester that six records subject to this request are already available at the PDR.

Herman A. Morgan,
BLM Security
Group
(86-480)

In response to a request, on behalf of a named individual, for records relating to the March 4, 1984, occurrence involving the individual at the Alaska Welding Center's Kuparuk projects, Prudhoe Bay, Alaska, made available six records.

Joan A. Estrada,
Professional
Carpet Service
(86-493)

In response to a request for copies of all invoices under Order No. DR-86-0505, made available six records.

Julio Henriquez,
Self-Powered
Lighting, Inc.
(86-521)

In response to a request for a copy of the license issued to Armson, Inc., authorizing them to sell unassembled tritium gunsights, made available one record.

Steven Aftergood,
Committee to
Bridge the Gap
(85-A-36-85-379)

In response to an APPEAL TO THE EDO for the release of 15 denied records regarding a request for records related to the proposed rule for limiting the use of highly enriched uranium (HEU) in research and test reactors, made available copies of the 15 records.

Denied

Ann Hunter,
Government
Accountability
Project
(85-490/85-548)

In response to requests for records related to the Farley nuclear power plant, informed the requester that seven records subject to these requests are already available at the PDR. Denied 37 records in their entirety, release of which would interfere with an ongoing enforcement proceeding. Denied portions of one record, disclosure of which would constitute an unwarranted invasion of personal privacy.

Ronald A. Rose,
FOI Services, Inc.
(86-284)

In response to a request for a copy of the radioactive materials license application for Midwest Pharmacy Incorporated, Chicago, Illinois, denied portions of one record containing confidential business (proprietary) information and personal information the release of which would constitute a clearly unwarranted invasion of personal privacy.

Larry Tye,
The Boston Globe
(86-419)

In response to a request for records pertaining to the April 4 and April 11 scrams at the Pilgrim nuclear power plant and NRC follow-up inspections, made available five records. Informed the requester that one additional record subject to this request is already available at the PDR. Denied portions of one record containing confidential business (proprietary) information.

Denied, Cont'd

Jill C. Grice
(86-476)

In response to a request for two categories of records pertaining to Harvard University license 20-00297-53, made available four records. Informed the requester that additional records subject to this request are already available at the PDR in files for two previous FOIA requests. Denied one record in its entirety containing advice, opinions, and recommendations of the staff.

JULY 18, 1986

ENCLOSURE A

WEEKLY INFORMATION REPORT
DIVISION OF CONTRACTS
WEEK ENDING JULY 11, 1986

RFP ISSUED

RFP No.: RS-ADM-87-171

Title: "Commercial Facilities Management of One White Flint North"

Description: The contractor shall provide all management supervision, labor, materials, supplies and equipment for the operation of One White Flint North, a government-owned building.

Period of Performance: One year with four one-year options to extend.

Sponsor: Office of Administration

Status: RFP issued on July 10, 1986. Proposals due August 7, 1986.

RFP No.: RS-ORM-86-281

Title: "Comprehensive Current (Real-Time) Geophysical Data Storage and Retrieval System"

Description: The system must be able to retrieve, display and summarize geophysical information for user specified areas located anywhere within the United States. This information is needed in the form of a data base depicting the applicable reporting station, forecasted conditions for specified areas and severe advisories or reports.

Period of Performance: One year with two one-year options.

Sponsor: Office of Resource Management

Status: Date for receipt of proposals extended to August 28, 1986.

PROPOSALS UNDER EVALUATION

RFP No.: RS-ORM-86-261

Title: "Engineering Cost Analyses of Proposed Changes for NRC Requirements"

Description: Services for engineering cost analyses to identify, derive and analyze the engineering costs of proposed changes in NRC regulatory requirements.

Period of Performance: 30 months

Sponsor: Office of Resource Management

Status: The competitive range has been established and negotiations are scheduled for the week of August 4, 1986.

RFP No.: RS-OIE-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 and Enforcement

Status: Best and Final offers are due on August 8, 1986.

PROPOSALS UNDER EVALUATION (cont'd)

RFP No.: RS-ORM-86-263

Title: "Conventional ADP Systems Development"

Description: The contractor shall provide all necessary personnel, materials, equipment and facilities to analyze, design and develop systems (applications) using RAMIS II and IDMS/R data base management systems.

Period of Performance: One year

Sponsor: Office of Resource Management

Status: Best and Final offers received and forwarded to Source Evaluation Panel for review on July 11, 1986.

RFP No.: RS-OIE-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 and Enforcement

Status: Final Evaluation Report received on July 16, 1986.

RFP No.: RS-NMS-86-001

Title: "Technical Assistance in Environmental and Socioeconomic Assessments"

Description: Contractor shall provide technical assistance to NRC in the review of DOE programs relating to the development of Environmental Impact Statements.

Period of Performance: Three years

Sponsor: Office of Nuclear Material Safety and Safeguards

Status: RFP cancelled on July 17, 1986.

OFFICE OF NUCLEAR REACTOR REGULATION

ITEMS OF INTEREST

Week Ending July 18, 1986

Seabrook Unit 1

New England Coalition on Nuclear Pollution, Massachusetts Attorney General's Office and Seacoast Anti Pollution League have filed motions opposing the Applicant's motion for an operating license authorizing low power operation.

On a matter potentially affecting the full power license, FEMA has filed a motion with the Board, for changing the hearing schedule on emergency planning contentions from August 4, 1986, to October 20, 1986. FEMA noted that the December 6, 1985 New Hampshire Emergency Plan (for which hearings were scheduled to begin August 4, 1986) has been substantially altered in a June 3, 1985, revision and will be again substantially altered in a revision to be submitted in August 1986. Therefore, FEMA considers litigating the December 1985 version maybe counter-productive to the resolution of the off-site emergency preparedness issues at Seabrook.

Comanche Peak

The applicants have filed a Form 8-K with the Securities and Exchange Commission explaining further delay in the corrective action program for Comanche Peak. The process including hearings cannot now be completed in time for peak summer load in 1988 for Unit 1.

Millstone 3

Shift Advisors

In a letter dated June 19, 1986, Northeast Utilities advised the staff that in view of the hot operating experience level now attained by regularly assigned shift personnel, shift advisors would be removed as of July 16, 1986. The staff has approved the licensees' plan to remove the shift advisors in a letter dated July 3, 1986.

San Onofre 1 Restart

On July 10, 1986 the EDO signed a Commission Information Paper informing the Commissioners that staff and licensee actions required for restart of San Onofre 1 are complete. The facility has been shut down for refueling and modifications since the November 21, 1985 loss-of-power/water hammer event. The Region V Administrator is prepared to lift the Confirmatory Action Letter which requires NRC approval prior to restart. The plant is currently in Mode 4; scheduled to enter Mode 2 on July 12 and to synchronize to the grid on July 16, 1986.

Shearon Harris Unit 1

Carolina Power and Light informed the staff that the fuel load date has slipped from late July to late August or early September, 1986. Commercial operation is scheduled for early 1987.

Fermi-2

On July 9, 1986, Congressman Dingell issued a press release regarding Fermi-2 in response to a 5 to 3 vote by the Monroe County Commissioners requesting Congressman Dingell to investigate the "Mark I Reactor" (sic). Specifically, Congressman Dingell states that "... I will be asking the NRC for a full report on its present actions and on current problems at the FERMI II reactor ..."

Nine Mile Point 2

By a letter dated July 8, 1986, Mr. William J. Donlon, President of Niagara Mohawk Power Corporation, stated that Mr. B. G. Hooten will no longer be responsible for daily activities associated with Nine Mile Point Unit 2. Senior responsibility for nuclear activities associated with Nine Mile Point Unit 2 is now vested in Mr. C. V. (Chuck) Mangan, Senior Vice President. Mr. J. Perry has been hired to permanently fill the position of Senior Vice President of Quality Assurance.

Catawba Unit 2

On July 11, 1986, Duke Power Company's personnel successfully completed the loss of control room test for Catawba Unit 2. The reactor was tripped from about 25% power and controls were transferred to the auxiliary shutdown panels. The test was witnessed by the Catawba Project Manager (who was at the time participating in a Region II special inspection regarding Generic Letter 83-28) and a special startup testing team from Region II.

It should be noted that, on June 27, 1986, this test caused a severe depressurization and cooldown transient because of multiple deficiencies in the remote shutdown capability. Subsequently, Duke Power Company corrected the procedures and the mislabeled controls at the shutdown panels and provided additional training to the operators before rerunning the test on July 11, 1986.

Point Beach Nuclear Plant Units 1 and 2

On July 14, 1986 a Director's Decision pursuant to 10 CFR 2.206 was issued regarding alleged equipment qualification deficiencies at the Point Beach Nuclear Plant, Units 1 and 2. Comments relating to these deficiencies were provided as comments to the proposed rule 10 CFR 50.49 by Stephen Proudman of Wisconsin's Environmental Decade, Inc. (Petitioner) by letter dated August 10, 1984. Mr. Harold R. Denton, Director, Office of Nuclear Reactor Regulation,

informed Mr. Proudman by letter dated January 4, 1985 that the staff would consider comments on the proposed rule relating to equipment qualification deficiencies at specific plants as petitions filed pursuant to 10 CFR 2.206.

The Director has determined that the concerns identified by the Petitioner have been satisfactorily addressed. In accordance with the regulations, the Decision will constitute final action of the Commission, unless the Commission, on its own motion initiates a review of the Decision within 25 days of issuance.

DAILY HIGHLIGHT - FOR THE THIRD TIME IN 1986 AN EARTHQUAKE WAS FELT AT OCONEE NUCLEAR STATION, UNITS NOS. 1, 2 AND 3

On July 14, 1986 at 6:30pm, an earthquake was felt at the Oconee Nuclear Station, Units 1, 2 and 3 for the third time this year, and its magnitude was estimated at 2.2 on the Richter scale and lasted for 97 seconds. The earthquake did not damage the nuclear units, set-off any alarms, or trigger any of the strong motion instruments. However, the operators state that it was felt in the plant.

Previous earthquakes were felt on June 11, 1986 with a magnitude of 2.8 and on February 13, 1986 at 3.5.

The units did not trip and continue to operate.

Daily Highlight

On July 15, 1986, at 1:51 PM PDT, San Onofre Nuclear Generating Station Unit 1 achieved criticality in its startup following the loss of power/water hammer event that occurred on November 21, 1985. The licensee, Southern California Edison Company, expects the unit to be on-line by July 18, 1986.

Haddam Neck -- Unplanned Shutdown for Steam Generator Tube Plugging

On July 16, 1986, Connecticut Yankee Atomic Power Company notified NRC that the Haddam Neck Plant was placed in cold shutdown to plug approximately 100 additional steam generator tubes. During recent eddy current inspections, CYAPCO detected undefined eddy current signals in the tube expansion region of the steam generator tube sheet. CYAPCO's ongoing analysis of these signals has indicated that 402 tube ends have approximately 50% or greater through-wall cracks. After discussions with Westinghouse, CYAPCO has calculated that adequate safety margins exist, except for those tubes where the cracks are in the upper one-inch of the rolled expansion area of the tube end and are greater than about 50% throughwall. CYAPCO has decided to plug the tubes with such indications. It is expected that plugging of these tubes will take two to three weeks.

CYAPCO is continuing to perform an evaluation to identify the acceptance criteria for eddy current signals in the tubesheet region of the steam generator. This analysis is to be completed by September 30, 1986.

Issuance of Renewal of the License to Possess-But-Not-Operate the Reactor Facility on the N.S. Savannah

On July 15, 1986, the Office of Nuclear Reactor Regulation renewed license No. NS-1 for the continued possession-only of the nuclear reactor facility on the N.S. Savannah, which is located at Patriot's Point, South Carolina.

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JULY 18, 1986

ENCLOSURE B

NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS
REPORT FOR JULY 14 - JULY 20, 1986

1. DEFUELING

- During the report period, the licensee continued core boring to acquire core stratification samples in positions G-12, K-9, D-8, and K-6. Encased stratification samples were removed and placed in defueling canisters for eventual shipment to Idaho National Energy Laboratories. An extended drilling operation was performed in the K-9 position on July 16, 1986 to characterize core debris found on the lower reactor vessel head. Video inspections were made through the access ports left by the drilling operations. The video tapes from these examinations are presently being reviewed and analyzed. The licensee is re-indexing the drilling rig over core position D-4.

2. SHIPMENT

- The first fuel shipping cask left the site by train during this report period. Prior to release, the NRC site staff verified that the shipment was in compliance with NRC and DOT radiological requirements.

3. PLANT STATUS

- The reactor remains in long term cold shutdown, vented to the atmosphere. Core cooling is by natural heat loss to ambient building atmosphere. The average incore thermocouple reading is 81°F.
- The airborne radioactivity on the defueling platform is about 5.0 E-7 uCi/cc Tritium and 2.9 E-11 uCi/cc particulates, predominately Cesium-137 and Strontium-90. The platform is mounted above the modified internals indexing fixture which is mounted over the reactor vessel. These provide about 15 feet of water over the core region and 6 feet over the carousel holding the defueling canisters.

4. WASTE MANAGEMENT

- The Submerged Demineralizer System (SDS) began processing batch S-135 from the neutralizer tank.
- EPICOR II completed processing batch 300, 10,668 gallons from the monitor tanks, and batch 301, 1,296 gallons from the Chemical Cleaning Building sump. The system began processing batch 302.
- Total volume processed through SDS to date is 4,084,856 gallons, and the total volume processed EPICOR II to date is 3,031,926 gallons.

5. 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.
- The Lancaster water sample taken at the water works river intake and analyzed by EPA consisted of a seven day composite sample taken June 29 - July 5, 1986. A gamma scan detected no activity that could be attributed to TMI-2.
- TMI water samples taken by EPA at the plant discharge (includes Units 1 and 2) to the river consisted of seven daily composite samples taken from June 28 - July 7, 1986. A gamma scan detected no activity that could be attributed to TMI-2.
- The EPA analysis of the NRC outdoor air sample for the period July 10 - 16, 1986 showed that concentrations of Cs-137 and I-131 were below the lower limit of quantitative detectability for the system.

6. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Assembly of the desludging system continued.

7. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request number 49, and 51.
- Recovery Operations Plan Change number 31 and 36.
- Solid Waste Facility Technical Evaluation Report.
- Reactor Building Sump Criticality Safety Evaluation Report.
- Defueling Canister Technical Evaluation Report, Revision 2.
- Heavy Load Safety Evaluation Report, Revision 3.
- Defueling Safety Evaluation Report, Revision 10.

8. PUBLIC MEETING

The Advisory Panel for the Decontamination of Three Mile Island Unit 2 will meet on August 13, 1986 from 7:00 PM to 10:00 PM at the Lancaster Council Chambers, Public Safety Building, 201 North Duke Street, Lancaster, PA. At the meeting the panel will receive a status report on the progress of defueling from GPU Nuclear and a briefing on the licensee's plans for disposal of the processed water generated from the accident.

Persons desiring to speak before the Advisory Panel are requested to contact Mr. Thomas Smithgall at 717-291-1042, or write him at 2122 Marietta Avenue, Lancaster, PA 17603.

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending July 18, 1986

Dry Spent Fuel Storage Topical Reports

Foster Wheeler Energy Applications, Inc., (in conjunction with General Electric Company of the United Kingdom) has informed the staff that its topical report for a concrete modular vault design will be submitted in August 1986. The modular vault design has similarities to vault storage licensed at the Wylva power station in the United Kingdom.

Aerospace Report on West Valley Spent Fuel Shipments

The NRC has been under contract with the Aerospace Corporation to document, as case histories, institutional issues and events associated with the spent fuel shipment campaigns from West Valley and other facilities. In June 1986, the Aerospace Corporation provided NMSS staff with a draft report entitled, "Case Histories of West Valley Spent Fuel Shipments." Staff is proceeding with its review of the draft report.

Sequoyah Fuels Corporation, Gore, Oklahoma (SFC)

On July 14, 1986, representatives of NMSS and IE met with representatives of Sequoyah Fuels Corporation (SFC) to provide them with questions and comments on the information submitted relative to SFC's request for authorization to resume production of uranium hexafluoride. The revision of the Emergency Contingency Plan was also discussed. No major issues of contention were identified.

At the July 14 meeting, SFC indicated that there are some ancillary systems, not associated with the production of UF_6 , that need to be operated irrespective of the staff decision on the restart authorization. These systems include the operation of solvent extraction, evaporation, and raffinate treatment to handle liquid waste that has accumulated onsite since the accident. SFC was informed that they should make the request in writing and provide a justification for operation of this equipment.

Status of Hearings

1. Sequoyah Fuels, Gore, Oklahoma, UF_6 to UF_4

Administrative Judge Frye has scheduled a meeting of all parties to the informal hearing on August 1, 1986, in Sallisaw, Oklahoma. The informal hearing has now been tentatively rescheduled for the week of August 11, 1986. However, by memorandum dated July 3, 1986, Judge Frye recommended to the Commission the adoption of formal hearing procedures. Action by the Commission on these recommendations may impact the schedule for the hearing.

Status of Hearings (Contd.)

2. Sequoyah Fuels, Gore, Oklahoma, Comprehensive Waste Disposal Plan

The hearing is being held in abeyance pending submittal of a new plan as part of the revision to the decommissioning plan required by Source Material License No. SUB-1010, Condition No. 21.

3. Kerr-McGee, West Chicago, Illinois, Kress Creek Decontamination

The ASLB decision dated June 19, 1986, dismissed the Order to Show Cause issued to Kerr-McGee Chemical Corporation on March 2, 1984. On June 30, 1986, the staff filed a notice of appeal with ASLAB.

4. Kerr-McGee Rare Earths Facility, Decommissioning Plan, West Chicago, Illinois

This hearing is being held in abeyance pending the staff's completion of the supplement to the Environmental Impact Statement. The current schedule calls for issuance of the Draft Supplement by October 1, 1986, and the Final by May 1, 1987. The Board has indicated that they may resume a portion of the Hearing after the Draft is issued.

DOE/DOD Meeting on Uses of Radioactive Material

NMSS staff members met with representatives of Battelle Pacific Northwest Laboratory and the U.S. Navy on July 16 to discuss a DOE/DOD Symposium on uses of radioactive material. The purpose of the symposium would be to discuss potential uses of byproduct material. The meeting will be held October 29-31, 1986 in Richland, Washington. About 50 Department of Defense representatives are expected to attend. Portions of the meeting will be classified.

DOE (Office of Nuclear Energy) plans to invite the Division of Fuel Cycle and Material Safety to provide a speaker on the NRC licensing program.

Office of Inspection and Enforcement
Items of Interest
Week Ending July 18, 1986

1. The following Significant Enforcement Action was taken during the past week:

A Notice of Violation and Proposed Imposition of Civil Penalties was issued to Ferris State College (Big Rapids, MI) in the amount of \$10,500. This action was based on multiple health physics violations including the overexposure to an individual. (EN-86-55)

2. The following IE Preliminary Notifications were issued during the past week:

- a. PNO-I-86-50, Connecticut Yankee Atomic Power Company (Haddam Neck), Unscheduled Shutdown Greater than 48 Hours.
- b. PNO-I-86-50A, Connecticut Yankee Atomic Power Company (Haddam Neck), Unscheduled Shutdown Greater than 48 Hours - Update.
- c. PNO-II-86-48, Tennessee Valley Authority (Browns Ferry), Two Contractor Employees Injured in Fall From Scaffold.
- d. PNO-II-86-49, Tennessee Valley Authority (Sequoyah Units 1 and 2), Earth Tremor in Plant Vicinity.
- e. PNO-II-86-50, Gulf Nuclear, Incorporated (Agreement State Licensee), Spent Iridium-192 Radiography Source Scare at Miami Airport.
- f. PNO-II-86-51, Virginia Electric & Power Company (North Anna Units 1 and 2), Media Interest in Denial of Plant Access to Contractor Personnel.
- g. PNO-III-86-69, Detroit Edison Company (Fermi 2), ECCS Actuation.
- h. PNO-IV-86-24, Houston Lighting and Power Company (South Texas), Overflow of Diesel Fuel Oil Storage Tank.
- i. PNO-IV-86-25, Arkansas Power & Light Company (ANO Unit 1 & 2), Limitorque Motor Operated Valve (MOV) Operator Environmental Qualification Deficiencies.
- j. PNO-V-86-41, Southern California Edison Company (San Onofre Unit 1/2/3), Seismic Event.
- k. PNO-V-86-42, Arizona Nuclear Power Project (Palo Verde Unit 1), Spurious Reactor Trip and Subsequent Safety Injections.
- k. PNO-V-86-43, Southern California Edison Company (San Onofre 1), Unit Criticality and Return to Operation.

1. PNO-V-86-44, Department of the Interior (Geological Survey, WRD), Well Logging Source Lost Downhole.
- m. PNO-V-86-44A, Department of the Interior (Geological Survey, WRD), Well Logging Source Lost Downhole (Update).
3. The following IE Information Notices and IE Bulletins were issued during the past week:
 - a. IE Information Notice 86-31, Supplement 1, Unauthorized Transfer and Loss of Control of Industrial Nuclear Gauges was issued to all NRC general licensees that possess and use industrial nuclear gauges.
 - b. IE Information Notice 86-59, Increased Monitoring of Certain Patients with Implanted Coratomic, Inc. Model C-100 and C-101 Nuclear-Powered Cardiac Pacemakers.
4. Other Items
 - a. Safety System Outage Modification Inspections

The exit meeting for the Dresden SSOMI was held this week with Commonwealth Edison Company.
 - b. Vendor Program

The following Vendor Program Branch inspections were being conducted this week:

 1. General Electric Co., San Jose, CA - followup inspection to review allegations received from GAP and a former GE employee regarding deficiencies in the QA/QC program during the 1976-1982 period.
 2. Arkansas Power & Light, Units 1 and 2, Little Rock, AR - to review the EQ program and its implementation to determine conformance to the requirements of 10 CFR 50.49.
 3. Nova Machine Products Corp., Middleburg Heights, OH - to review the vendor's failure to qualify all of its suppliers, improper upgrading of stock material and failure to comply with the requirements of 10 CFR 21.
 - c. International Activities

Deputy Director, DEPER will participate in the upcoming IAEA meetings starting July 21 to draft two conventions dealing with emergency notification and assistance.
 - d. Incident Response
 1. Members of the Incident Response Branch and Office of Public Affairs met with FEMA staff to discuss the preparation of a Guidance Memorandum on Joint Information Centers and

coordination of public information efforts and information releases. FEMA will conduct a workshop on the subject.

2. The Incident Response Branch Chief presented a portion of the Advanced Emergency Planning Course at Harvard University on the Federal and the NRC response to incidents.
3. Staff members of the Incident Response Branch and the Technical Assistant presented portions of the Radiological Accident Assessment Course at FEMA's Emergency Management Institute in Emitsburg.

e. Operations Center

1. The Incident Response Branch conducted two technical exercises at the Operations Center on July 16 and 17. These exercises have been developed with the assistance of BNL and their simulator/power plant analyzer.
2. Commonwealth Edison Company staff met with the Incident Response Branch staff to discuss the implementation of the Emergency Response Data System concept.

f. PRA Based Inspection

A staff member Operation Reactors Program Branch participated in activities for the upcoming PRA Directed Operational Assessment and Readiness Inspection at Indian Point 2.

OFFICE OF NUCLEAR REGULATORY RESEARCH

Items of Interest

Week Ending July 19, 1986

2D/3D

Through ORNL and INEL, RES furnished some advanced two phase flow instruments to the German Upper Plenum Test Facility (UPTF) in return for test data. Some of these instruments have degraded in the course of the extensive facility shakedown testing which started over one year ago. The degraded instruments include the upper tie-plate drag bodies which, combined with turbine flowmeters, measure the mass flow rates across the upper plenum and core interface, and loop drag disks which, combined with gamma densitometers, measure mass flow rates in the hot legs and cold legs. RES is currently looking into causes and formulating corrective actions. As part of this effort, RES is arranging a special review group to review the instrument problems to make sure that everything that should be done is being done so that these instrumentation problems will not cause any significant loss of data or cause any major impact on the UPTF testing schedule.

International Code Assessment and Applications Program (ICAP)

ICAP program meetings were held in Erlangen, F. R. Germany on 9-13 June, 1986. The first 2½ days were devoted to a Specialist Meeting for code users, followed by a Technical Program Group meeting. The purpose of ICAP is to provide a quantitative assessment of the thermal hydraulic systems code TRAC-PWR, RELAP5, and TRAC-BWR. The NRC is obtaining assessment results through bilateral agreements with a number of different countries. Presentations of assessment results were made by representatives from Finland, Italy, Sweden, Spain, Switzerland, United Kingdom, and United States. There were 27 presentations covering separate effects experiments, integral tests, and plant applications. The next ICAP meeting will be held on November 3-5, 1986.

Status of Bilateral Agreement on Thermal Hydraulics with Swiss Federal Institute for Reactor Research (EIR)

A program review was held with EIR on 16-17 June, 1986. The current bilateral agreement between NRC and EIR was concluded in May, 1984 and has a duration of 4 years. It calls for 28 assessment studies using RELAP5 and TRAC-BWR. EIR has used RELAP5/MOD2 to calculate LOFT small break LOCA test SB-3 and large break LOCA tests LB-1 and L2-6. The calculation of SB-3 was greatly improved over a similar calculation using RELAP5/MOD1 in terms of conservation of mass and prediction of stratified flow in the hot leg and reflux condensation.

EIR has performed heat transfer experiments in the NEPTUN facility, which has 32 heater rods with similar geometry in LOFT including the same length (6 feet). The experiments are at low pressure under conditions of boiloff or reflood and at power levels characteristic of decay heat. Parameters varied were pressure, temperature, mass flow rate, and inlet subcooling. The experimental program is completed. These results are being used to assess RELAP5/MOD2 and TRAC-BWR.

NUREG-0956

A briefing was held on July 9, 1986 to inform the Commissioners of the status of NUREG-0956. The content of the final document, recent progress in its preparation, and reviews of a draft copy by the national laboratories most involved in the source term research were discussed. In addition, future activities of the Office of Research in the area of source terms and severe accidents were reviewed.

Recent Earthquakes in the Eastern United States

On July 11, 1986 at 8:26 a.m. a small earthquake, about 3.7 on the Richter magnitude scale, occurred in eastern Tennessee, approximately 10 miles east of Chattanooga. It was felt over a three county area including personnel on site at the Sequoyah NPP. The facility operators are checking a remotely recorded strong motion instrument for possible records. No damage was reported on site. No structural damage was reported in the immediate vicinity of the epicenter.

On July 12, 1986 at 2:20 a.m., a moderate earthquake, about 4.2 on the Richter magnitude scale, occurred in western central Ohio within a few miles of the village of St. Mary's. This event was widely felt in Ohio and Indiana, with additional felt reports from Michigan and Kentucky. A polling of regional NPPs by the NRC Duty Officer showed that the event had not been felt at the NPPs. The earthquake had the same location as two microearthquakes of magnitude 1.4 and 1.7 on March 10, 1985. There had been no aftershocks in the first 48 hours after this event larger than the local minimum detectable magnitude 1.4.

These earthquakes were reported to the NRC by its seismic networked contractors. The Ohio earthquake epicenter was within about 5 km of one of the NRC network stations.

RES RULEMAKING ACTIVITIES AND OTHER RELATED ISSUES

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 decisionmakers as to the appropriate role of information on core melt frequency, containment performance, source terms, and risk in making severe accident decisions.

A management meeting was held July 14-15, 1986, in Albuquerque, New Mexico, to discuss the current status of NUREG-1150 with laboratory managers.

PRM-50-40--Requires Mandatory Reactor Shutdown if Cause of Reactor Trip Undetermined in 8-Hour Period

In a petition for rulemaking filed on November 26, 1985, J. F. Doherty requested the subject action. The petitioner's concern stemmed from the 1983 Salem anticipated transient without scram event.

The "denial of petition" package received EDO approval on June 20, 1986. The package has been sent to the Division of Rules and Records, ADM, for Federal Register publication and Congressional and petitioner notification.

Operational Safety Reliability Research

The Operational Safety Reliability Research project includes case studies of five utilities to help identify reliability techniques that utilities have found to be effective and to identify attributes of successful reliability programs.

For IE and NRR division directors who missed a July 2, 1986, briefing on Brookhaven National Laboratory's technical assessment of reliability technology and RES' assessment of regulatory applications, a rerun is planned for July 17, 2:00 p.m. to 4:00 p.m. in Room P-422.

ITEMS OF INTEREST
OFFICE OF INTERNATIONAL PROGRAMS
WEEK ENDING JULY 21, 1986

Japanese Assignee Proposed

The Japanese Ministry of International Trade and Industry has proposed one of their staff members to be assigned to NRC for a two-year period. AEOD and NRR/DHFT have expressed interest in the proposal. The official letter of invitation will be sent to the Executive Director for Operations for signature next week.

Foreign Visitors-Signature of Arrangement

On Thursday the newly appointed Federal Republic of Germany Minister for Environmental Protection and Reactor Safety Walter Wallmann and Chairman Zech signed a renewal of the Information Exchange and Cooperation Arrangement between NRC and the new FRG Ministry which will assume certain responsibilities formerly held by the Ministry of the Interior. Mr. Wallmann, accompanied by four other FRG officials and an interpreter, also met with Commissioners Roberts and Bernthal, IP Director Shea and R. Vollmer and B. Sheron of NRR.

OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING JULY 18, 1986

Financial Qualifications Rule Case (10 CFR Part 50)

The U. S. Court of Appeals for the D.C. Circuit issued a decision on July 11, 1986, in the financial qualifications rule case (New England Coalition on Nuclear Pollution, et al. v. NRC; D.C. Cir. No. 84-1514). The decision upholds the Commission's rule which exempts from staff review and adjudication the financial qualifications of regulated utility companies (and of utilities that set their own rates) applying for power reactor operating licenses.

The D.C. Circuit also dismissed a petition by the Callaway intervenors to reopen the OL hearing record on the financial qualifications issue. The Callaway case (Coalition for the Environment, St. Louis Region, et al. v. NRC, et al.; D.C. Cir. No 84-1313) was considered by the Court concurrently with the financial qualifications rule case. The three-judge panel voted unanimously to uphold NRC's position in both cases.

Southeast Low-Level Waste Compact

The Board of the Southeast Low-Level Waste Compact recessed its meeting in Columbia, South Carolina, Monday, July 14, 1986, without having selected the next host State. The Compact Commission requested its contractor to review further the data it collected and report back to the Commission in the next few months.

OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA

ITEMS OF INTEREST

Week Ending July 18, 1986

Engineering Evaluation Report, AEOD/E608 entitled, "Re-Examination of Water Hammer Occurrences," was issued on July 14, 1986. The study was prompted by the water hammer occurrence at San Onofre Unit 1 on November 21, 1985, as was intended to support the Office of Nuclear Reactor Regulation's response to staff action Item No. 2 enclosed with the February 4, 1986 EDO memorandum: "Staff Actions Resulting from the Investigation of the November 21, 1985 San Onofre Nuclear Generating Station, Unit 1 Event (NUREG-1190)". The study found that the underlying causes and general nature of the water hammer events which have occurred over the past five years do not appear to indicate any new generic concern not already identified and examined by the staff. Check valves were specifically identified as having caused only 2 of the 40 water hammer events evaluated. Furthermore, check valves were found to have been specifically cited as contributing to only five of the almost 200 water hammer events evaluated since 1969. Therefore, the study concludes that check valve leakage or failure is not a significant common generic cause of water hammer. This AEOD study was transmitted to NRR so that the information, analysis and evaluation contained in the study could be used to support their assessment of this issue.

JULY 18, 1986

ENCLOSURE J

ITEMS ADDRESSED BY THE COMMISSION - WEEK ENDING JULY 18, 1986

A. STAFF REQUIREMENTS - DISCUSSION/POSSIBLE VOTE ON FERMI RESTART, 2:00 P.M., MONDAY, JULY 7, 1986, COMMISSIONERS' CONFERENCE ROOM, D.C. OFFICE (OPEN TO PUBLIC ATTENDANCE) Memo SECY to Stello dated 7/16/86

The Commission met with the staff to discuss the possible restart of Detroit Edison's Enrico Fermi Atomic Power Plant, Unit 2 (Fermi-2).

In addition to the staff, the following persons made presentations to the Commission:

Jack Calhoun, Chairman
Detroit Edison's Independent Overview Committee

Walter McCarthy
Chairman of the Board and Chief Executive Officer
Detroit Edison

Michael Keegan
Safe Energy Coalition of Michigan

Richard Petticrew, Chairman
Monroe City-County Office of Civil Preparedness

Jon Eckert, Director
Monroe City-County Office of Civil Preparedness

The Commission voted 3-1 (Commissioner Asselstine disagreeing) to permit the staff to make the decision to allow restart of Fermi-2 when the staff determines that it is satisfied that the plant can safely operate and that the licensee and the plant are ready for restart.

The Commission requests that the staff respond to the allegations that the Safe Energy Coalition of Michigan (SECOM) raised at the meeting (copy attached) and resolve all safety issues before restart.

The Commission requested that the staff provide to the Commission a report on the status of various Freedom of Information Act requests of SECOM that have been filed with the Commission since March 1986.

(Subsequently, on July 15, 1986, the staff provided to the Commission a status report on SECOM FOIA requests.)

Attachment: Not included

B. STAFF REQUIREMENTS - BRIEFING ON ACCIDENT SOURCE TERM REASSESSMENT (NUREG-0956),
10:00 A.M., WEDNESDAY, JULY 9, 1986, COMMISSIONERS' CONFERENCE ROOM, D.C. OFFICE
(OPEN TO PUBLIC ATTENDANCE) Memo SECY to Stello dated 7/18/86

The Commission was briefed by the staff on the contents and purpose of NUREG-0956 prior to its publication.

The Commission requested the staff to submit a plan to review each of the problem areas listed on Table 6.1 of NUREG-0956. The plan should include timetables, milestones, budgetary requirements, and any other changes to the source term program deemed necessary. The plan should be sufficiently detailed to support a Commission request to Congress for additional resources, if necessary.

The Commission further requested staff to recommend whether an independent group of experts should be constituted to review each of the major areas of uncertainty and to recommend a research program for resolution, if needed. The group of experts would have a charter similar to that of the review group on steam explosions.

Chairman Zech emphasized the importance of obtaining input from different countries. He also requested the staff to clarify its plans to resolve the technical differences between the staff and the industry methods of calculating source terms.

Commissioner Asselstine requested the staff to provide him with copies of letters from national laboratories which commented on NUREG-0956.

NMSS MEETING NOTICES

7/17/86

Division of Fuel Cycle and Matenial Safety

JULY 18, 1986

<u>DATE/TIME</u>	<u>DOCKET NO.</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
8/1/86 9:00 am		5th Floor Conference Room	To discuss matters related to the submittal of a concrete dry spent fuel storage cask.	Nuclear Packaging, Inc. J. Rollins	J. Roberts
7/22-23/86 9:00 am	M-40	Lawrence Livermore National Laboratory	Discussion of Topical Report Submittal.	JGenser, LLNL MSchwartz, LLNL JRoberts, FCAF	J. Roberts
7/21/86- 8/1/86		Atlanta, GA Columbia, SC Philadelphia, PA Boston, MA	To obtain information for the Material Safety Regulation Review Study Group (MSRRSG)	C. V. Smith R. G. Page T. F. Engelhardt J. M. Googin E. G. Case (all members of the MSRRSG)	D. A. Cool

Division of Waste Management

None

Division of Safeguards

None

ENCLOSURE P

JULY 19, 1986

NRR MEETING NOTICES*

JULY 11, 1986

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
7/21/86 10:30 a.m.	50-289	TMI-1 Site	Review the proposed fuel handling building ventilation system modifications for TMI-1	NRC/Licensee	J. Thoma
7/21-26/86 8:00 a.m.	50-309	Maine Yankee Atomic Power Station Wiscasset, ME	Discuss Maine Yankee's Seismic Margin Program and to conduct various walkdowns	NRC/MYAPCo/ ENERGY/EQE	P. M. Sears
7/22/86 11:00 a.m.	50-346	Davis-Besse site at Oak Harbor	Site visit to Davis-Besse	NRC/TED	A. De Agazio
7/23/86 1:00 p.m.	50-259 260/296	Room P-118 Phillips Building	Discuss TVA's program to seismically qualify Browns Ferry systems and use of variable dumping	NRC/TVA	R. J. Clark
7/23/86 9:00 a.m.	50-412	P-110 Phillips Building	Discuss DLC technical issues raised by the staff regarding DLC's Seismic and Dynamic Qualification Program for Safety-Related Equipment for Beaver Valley Unit 2	NRC/DLC	P. S. Tam
7/24/86 9:00 a.m.	-	Room P-110 Phillips Building	Discuss two recent topical reports submitted by the B&W owners group	NRC/B&W Owners Group	W. A. Paulson

ENCLOSURE P

* 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

JULY 18, 1986

NRR MEETING NOTICES*

JULY 11, 1986

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
7/25/86 9:00 a.m.	50-454 50-455	Room P-114 Phillips Building	Discuss Byron's proposal to reduce hot leg temperature	NRC/Commonwealth Edison/Westinghouse	L. N. Olshan
7/29/86 8:30 a.m.	50-261	H.B. Robinson Unit 2 Plant Hartsville, SC	Discuss the status of open issues concerning the H.B. Robinson Unit 2 plant and loss of offsite power event on January 28, 1986	NRC/CP&L	G. Requa

ENCLOSURE P

* 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

July 18, 1986

RII MEETING NOTICE

<u>DATE/TIME</u>	<u>DOCKET NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>ATTENDEES/ APPLICANT</u>	<u>NRC CONTACT</u>
07/23/86 pm		Hartsville, SC	Presentation of Certificates to Utility Operators	Licensee management and Operators, Regional Administrator and selected RII Staff Members	Grace
07/30/86 10:00 am		RII Office	Meeting with CP&L man- agement and operators from Harris site	Licensee, Regional Administrator, and selected RII Staff Members	Grace
8/1/86 10:00 am		RII Office	Meeting with Duke Power Company management to discuss issues regarding the Catawba Plant	Same as above	Grace

JULY 18, 1986

ENCLOSURE P