

May 29, 1981

For: The Commissioners
From: T. A. Rehm, Assistant for Operations, Office of the EDO
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING MAY 29, 1981

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

*No input this week.

Contact:
 T. A. Rehm, EDO
 49-27781

8106040144

SUMMARY OF WEEKLY INFORMATION REPORT

Week Ending May 22, 1981

Sequoyah Unit 1

A Notice of Violation was issued to the licensee on May 21, 1981 based on alleged violations associated with the improper operation of the containment spray system at the plant on February 11, 1981. The violations included: 1) inadequate on-the-job training of an auxiliary operator, 2) failure to implement appropriate procedures, and 3) inadequate administrative procedures.

Meeting with Congresswoman Marge Roukema

On May 18, 1981, NRC staff participated in a meeting in Congresswoman Roukema's office to discuss the thorium contamination recently discovered at two private residences in Maywood, New Jersey. DOE agreed to undertake a radiological assessment of the two residences to determine the extent of ground contamination and what remedial actions are needed to reduce radiation exposures to acceptable levels. EPA was asked to determine how funds might be made available from the Superfund Act to pay the cost of the required remedial actions.

Radiation Policy Council

On May 21, 1981, the Working Group of the Radiation Policy Council met to continue its reexamination of the Federal guidance function for radiation protection which is now exercised by EPA. The Council is expected to go out of business at the end of the fiscal year. In addition to lacking funding for FY '82, Carl Gerber, the Council's Director, met with representatives of OMB who informed him that they are fundamentally opposed to interagency working groups. An EPA member reported that it would take until December 1981 for EPA to analyze the comments on their "Federal Radiation Protection Guidance for Occupational Exposures" and to develop a new strategy based on that analysis. There have been significant negative comments on most of the important features of the proposed guidance.

Final Report of Tsuruga Incident

Tokyo newspapers are reporting that the final MITI report on the recent "Tsuruga Incident" was completed and delivered to the Nuclear Safety Commission on May 18. A copy is expected in the office of the MITI representative in Washington within the next week.

OFFICE OF ADMINISTRATION

Week Ending May 22, 1981

ADMINISTRATION OF THE FREEDOM OF INFORMATION ACT

STATUS OF REQUESTS

	<u>Initial Request</u>	<u>Appeal of Initial Decision</u>
Received	247	8
Granted	166	1
Denied	28	5
Pending	53	2

ACTIONS THIS WEEK

Received

Julie Kosterlitz
(81-196) Requests documents pertaining to the burial of radioactive wastes on property in Maywood, New Jersey.

Vincent L. Soukup,
Wehran Engineering
(81-197) Requests four categories of documents regarding recently performed on-site investigations on the Stepan Chemical Company site in Maywood, New Jersey.

Marvin Resnikoff,
Sierra Club Radioactive
Waste Campaign
(81-198) Requests letters between the NRC and Transnuclear Inc. regarding the shipment of spent fuel from the Chalk River experimental reactor in Ontario, Canada to South Carolina.

Eugene Rosolie,
Coalition for Safe
Power
(81-199) Requests seven categories of documents relating to Washington Public Power Supply System.

Billy H. Day
(81-200) Requests the address to write to for information on flight schedules for the 1957 and 1958 nuclear tests.

McNeill Watkins, II,
Debevoise & Liberman
(81-201) Requests four categories of documents regarding the April 3, 1981 briefing for Commissioner Bradford on the Commission's fire protection research program.

C. Juliet Pittman,
Sense Inc.
(81-202) Requests the winning proposal under Contract NRC-04-81-186 entitled "Development of a Comprehensive Human Factors Plan for Nuclear Reactor Regulation."

Joseph C. Vierra,
Electronic Data
Systems Corporation
(81-203) Requests copies of the request for proposals and the successful technical and business proposals under NRC Contract NRC-04-77-065 entitled "Integrated Safeguards Information Systems."

CONTACT: J. M. Felton
492-7211

ENCLOSURE A

Received, Cont'd

McNeill Watkins, II,
Debevoise & Liberman
(81-204)

Requests all records addressing the Browns Ferry tests, including project plans, records containing the purposes of the tests and correspondence between Underwriters Laboratories and the Commission regarding the tests, discussed in the April 3, 1981 briefing for Commissioner Bradford on the Commission's fire protection research program.

Paul M. Ingersoll,
Radio TV Reports, Inc.
(81-205)

Requests information concerning the award of a contract issued in April, 1981 for radio and television monitoring in the Washington, DC area of news items and reports of interest to the NRC and the preparation of verbatim transcripts of such items as specified by the Office of Public Affairs.

Sanford L. Hartman,
Debevoise & Liberman
(81-A-8-81-97)

APPEAL TO THE COMMISSION for 15 documents denied relating to CLI-80-21 regarding environmental qualifications of safety-related electrical equipment.

Granted

Trudy Knowles
(81-63)

In response to a request for the number of shipments; departure and arrival dates; routes taken; and the shipping companies used to transport yellowcake from the Ambrosia Lake Milling Facility near Grants, New Mexico to the Gore Conversion Plant in Gore, Oklahoma during the period July through December 1980, made available this information. Informed the requester that NRC's regulations do not require advance notification or monitoring of shipments of yellowcake.

Nicholas S. Reynolds,
Debevoise & Liberman
(81-101)

In response to a request for 13 categories of documents regarding Memorandum and Order CLI-80-21 and Inspection and Enforcement Bulletin 79-01B, informed the requester the NRC has located no documents subject to this request.

JoAnne G. Bloom,
Isham, Lincoln and
Beale
(81-110)

In response to a request for seven categories of documents from October 24, 1980 to the present regarding the imposition of civil penalties, responsibilities, behavior and deportment of NRC licensed nuclear station operators, made available six documents.

Granted, Cont'd

Philip G. Sunderland,
Terris and Sunderland
(81-162)

In response to a request for 11 categories of information regarding the NRC's implementation of Title IV of the Civil Service Reform Act of 1978 establishing the Senior Executive Service, made available this information.

Dennis E. Smith,
Desmatics, Inc.
(81-169)

In response to a request for a copy of SECY-79-564, made available a copy of this document.

Steven P. Hershey,
Community Legal
Services, Inc.
(81-173)

In response to a request for correspondence between the NRC and Philadelphia Electric Company since November 1, 1980, informed the requester these records are already available at the LPDR in Pottstown, Pennsylvania.

Timothy J. Murphy
(81-174)

In response to a request for documents pertaining to the environmental assessment and licensing of Elfreth Alley Apothecary, operated by Nuclear Pharmacy, Inc., in Swatara Township, Pennsylvania, made available 23 documents.

(NRC employee)
(81-193)

In response to a request for records of any charges or investigations pending against him, informed the requester the NRC has no record of any charges or investigations pending against him.

Billy H. Day
(81-200)

Informed the requester we have referred his request to the Department of Air Force for information on flight schedules for the 1957 and 1958 nuclear tests.

Denied

Ellyn R. Weiss,
Harmon & Weiss
(81-104)

In response to a request for records relating to two categories of information concerning design, construction and licensing of nuclear plants, made available 22 documents. Denied seven documents in their entirety containing advice, opinions and recommendations among Commissioners and staff.

DIVISION OF CONTRACTS
Weeking Ending May 22, 1981

PROPOSALS UNDER EVALUATION

1. RFP RS-RES-81-203
Title - "Definition of Bounding Physical Tests Representative of Transport Accidents - Air and Ship"
Description - Define a set(s) of radioactive material shipping package performance tests which bound the environment experienced in such accidents, based on an investigation and assessment of extremely severe air and marine transport accident events.
Period of Performance - 18 months
Level of Effort - 3 to 5 man years
Sponsor - Office of Nuclear Regulatory Research
Status - RFP closed on May 20, 1981. Proposals forwarded to Source Evaluators for review on May 21, 1981. Competitive range to be established on June 23, 1981.

CONTRACTS CLOSED OUT

<u>Contract No.</u>	<u>Contractors</u>	<u>Closeout Date</u>
NRC-04-78-260	Harvard University	5/19/81
NRC-04-78-231	Purdue Research Foundation	5/19/81
NRC-04-75-157	Oregon State University	5/15/81
NRC-02-80-062	Chem-Nuclear Systems, Inc.	5/18/81
NRC-10-77-138	Washington Color Photo	5/19/81
NRC-04-78-223	The Aerospace Corp.	4/16/81

FINANCIAL ASSISTANCE

1. NRC-G-04-81-004
Title - Planning for Nuclear Emergencies
Description - Support provided for the development of a comprehensive report outlining the basic principles and philosophy that should be applied to the control of population exposures associated with accidental releases of radionuclides from nuclear power plants.
Period of Performance - Two years
Sponsor - Office of Nuclear Regulatory Research
Status - Grant awarded to Harvard University in the amount of \$30,694.00 effective June 1, 1981.

DIVISION OF FACILITIES AND OPERATIONS SUPPORT

Item of Interest

Week ending May 30, 1981

Use of Recording Devices in Connection with Telephone Service

The Federal Communications Commission, in a Memorandum Opinion and Order (FCC 81-217, 29301, Docket No. 20840, released May 18, 1981), requires the beep tone or the prior consent of all parties for recording telephone conversations. Three exceptions to the revised tariff provision have been included in the Order; the first of which pertains to the NRC Operations Center:

"We have decided to allow three exceptions to the revised tariff requirement which will supersede the five current exceptions. The first exception is for incoming calls made to telephone numbers publicized for emergencies and outgoing calls made in immediate response. In many types of emergency situations, such as those involving fire, health care, and police, it is infeasible to obtain consent, and use of the beep tone could confuse callers or obliterate important portions of the message. Therefore we will not require the beep tone or prior consent for the recording of calls reporting or made in immediate response to these emergencies. Recordings made at the Department of Defense Command Centers and the Operations Center of the Nuclear Regulatory Commission will be included under this exception. See 59 FCC 2d 538 (1976) and Mimeo No. 06482 (January 29, 1981).

" The second exception is for the recording of calls made for patently unlawful purposes, such as bomb threats, kidnap ransom requests, and obscene telephone calls. Outgoing calls made in immediate response to such a call will also be excepted. Under this exception the U. S. Secret Service will still be allowed to record calls referred to it which threaten the safety and security of the President, his immediate family, and the White House.

" The third exception is for recordings made pursuant to an explicit and lawful order of a court issued pursuant to 18 U.S.C. §2516. We adopt this exception so that our requirement will not hinder law enforcement efforts or conflict with Title III of the Omnibus Act."

DIVISION OF SECURITY

Week Ending May 22, 1981

Security Support for ASLEP Diablo Canyon Prehearing

A Division of Security representative provided onsite security support, which involved extensive liaison with local law enforcement and Board personnel, in connection with the Diablo Canyon prehearing held at San Luis Obispo, CA.

OFFICE OF NUCLEAR REACTOR REGULATION

WEEKLY HIGHLIGHTS - MAY 22, 1981

Yankee Rowe

There will be a meeting on May 20, 1981 at 1:00 P.M. in the Rowe Town Hall, Rowe, Massachusetts. The purpose of the meeting is to discuss modifications being made to the auxiliary feedwater system at Yankee Rowe. The Project Manager is Ralph Caruso.

Yankee Rowe

There will be a public meeting on May 20, 1981 at 7:00 P.M. in the Mohawk Trail Regional High School, Shelburne Falls, Massachusetts. The purpose of the meeting is to answer questions and accept comments with regard to the operation and licensing of Yankee Rowe. The Project Manager is Ralph Caruso.

OTHER MEETINGS

A meeting will be held with Offshore Power Systems at their headquarters in Jacksonville, FL on May 21, 1981 to discuss TMI-2 CP/ML submittal requirements and general licensing matters. NRR contact: M. Mallory.

A meeting to discuss Mark I Containment Modifications will be held in Room 144, Phillips Building, on May 20, 1981 at 9:00 A.M. Contact: C. P. Tam.

A meeting will be held with General Electric Company to discuss ECCS Licensing Issues on Friday, May 29, 1981 at 9:00 A.M. in Suite 203, Landow Building

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ENCLOSURE B

NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

Week of May 17 - 22, 1981

Plant Status

Core Cooling Mode: Heat transfer from the reactor coolant system (RCS) loops to Reactor Building ambient.

Available Core Cooling Modes: Long-term cooling "B" (once through steam generator-B); decay heat removal systems.

RCS Pressure Control Mode: Standby Pressure Control (SPC) System.

Backup Pressure Control Modes: Mini Decay Heat Removal (MDHR) System.
Decay Heat Removal (DHR) System.

Major Parameters (as of 0400, May 22, 1981) (approximate values)

Average Incore Thermocouples: 116°F
Maximum Incore Thermocouple: 142°F

RCS Loop Temperatures:

	A	B
Hot Leg	111°F	114°F
Cold Leg (1)	65°F	66°F
(2)	66°F	66°F

RCS Pressure: 98 psig

Reactor Building: Temperature: 67°F
Water level: Elevation 290.8 ft. (8.3 ft. from floor)
via penetration 401 manometer
Pressure: -0.4 psig
Concentration: 1.1×10^{-5} uCi/ml Kr-85 (Sample taken 5/18/81)

Effluent and Environmental (Radiological) Information

1. Liquid effluents from the TMI site released to the Susquehanna River after processing, were made within the regulatory limits and in accordance with NRC requirements and City of Lancaster Agreement dated February 27, 1980.

During the period May 15, 1981, through May 21, 1981, the effluents contained no detectable radioactivity at the discharge point although individual effluent sources which originated within Unit 2 contained minute amounts of radioactivity. Calculations indicate that less than 1 millionth (0.000001) of a curie of Cs-137 was discharged. This represents less than 0.00001% of the permissible total liquid activity as specified in Technical Specifications for operational commercial reactors.

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- 2. Airborne effluents from the TMI site released to the environment, after processing, were made within the regulatory limits and in accordance with NRC requirements

During the reporting period January 1, 1981 - March 31, 1981, the licensee reported the following gaseous releases:

	<u>Curies</u>
Noble Gases	25.3
Particulates	0.000015
Tritium	33.0

The above release represent a small fraction of the allowable regulatory limits. The instantaneous airborne effluents are measured on a continuous basis, however for accurate calculation of total curies released, effluent samples are analyzed in the laboratory and the data evaluated. On the basis of the data from these samples, a draft effluent report is issued monthly by the licensee. Airborne effluent information will be provided in the weekly status report on a monthly basis.

- 3. Environmental Protection Agency (EPA) Environmental Data. Results from EPA monitoring of the environment around the TMI site were as follows:

- The EPA measured Kr-85 concentrations (pCi/m^3) at several environmental monitoring stations and reported the following results:

<u>Location</u>	<u>May 8 - May 15, 1981</u> (pCi/m^3)
Goldsboro	22
Observation Center	33
Middletown	29
Yorkhaven	27

All of the above levels of Kr-85 are considered to be background levels.

The installation of tritium (H^3) monitoring devices has been completed at the above listed locations. It is expected that H^3 environmental results will be routinely reported by EPA in about four to six weeks.

- No radiation above normally occurring background levels was detected in any of the samples collected from the EPA's air and gamma rate networks during the period from May 14, 1981, through May 21, 1981.

- 4. NRC Environmental Data. Results from NRC monitoring of the environment around the TMI site were as follows:

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-- The following are the NRC air sample analytical results for the onsite continuous air sampler:

<u>Sample</u>	<u>Period</u>	<u>I-131</u> <u>(uCi/cc)</u>	<u>Cs-137</u> <u>(uCi/cc)</u>
HP-268	May 13, 1981 - May 20, 1981	<8.8 E-14	<8.8 E-14

5. Licensee Radioactive Material and Radwaste Shipments

- On Monday, May 18, 1981, a 40 ml Unit 2 reactor coolant sample was sent to Babcock and Wilcox (B&W) Lynchburg, Virginia.
- On Tuesday, May 19, 1981, the U.S. Department of Energy (DOE) shipped an EPICOR-II resin liner (PF-16) from Unit 2 to Battelle Columbus Laboratories in Columbus, Ohio. (The liner and resin will undergo examination and testing at the laboratory.)
- On Wednesday, May 20, 1981, one 4' x 4' EPICOR-II dewatered resin liner (liner DF-12) from Unit 2 was shipped to U.S. Ecology, Richland, Washington.

Major Activities

1. Submerged Demineralizer System (SDS). Preparation of the Safety Evaluation Report (SER) by the TMI Program Office is in progress although some necessary information has not yet been received. On May 13, 1981, the licensee submitted a revised schedule for providing the needed information. The revised schedule indicates the information will be provided by May 29, 1981.

Functional tests are complete with the exception of a few items which are undergoing engineering evaluation and further testing. Operator training on components not involved with the outstanding functional testing has been initiated. The operator training does not involve processing of contaminated water.

2. Shipment of EPICOR-II Prefilter (PF-16) to Battelle Columbus Laboratories (BCL). As part of a DOE sponsored resin characterization study, PF-16 was shipped to the BCL in West Jefferson, Ohio, on May 19, 1981. This research effort is to supplement the development of technology for safely processing contaminated resins and to evaluate liner material compatibility. PF-16 was part of the 1st stage EPICOR-II treatment process for the accident generated water collected in the Auxiliary Building.

Prior to shipment, special preparations were made to ensure that PF-16 did not contain significant quantities of nonradioactive gases that could be generated by organic resin degradation (e.g., H₂, hydrocarbon gases, etc.) While gas generation was indicated (a result of the approximately 16 month on-site storage period),

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the PF-16 liner pressure was reduced to atmospheric. No increase in airborne activity levels was detected during this procedure. The liner was then placed in a type "B" shipping cask which is designed to withstand a transportation accident. The shipping cask weighs 32 tons and is constructed of steel and lead. The PF-16 liner is constructed of steel with thickness ranging from 1/4 inch to 5/8 inches and contains approximately 1,150 curies of radioactive cesium and strontium.

The shipment arrived safely at BCL without incident after the one day trip. The research effort will start immediately and is expected to last over a 2 1/2 year period.

3. Reactor Building (RB) Entry and Purge. The eleventh entry into the Unit 2 RB is scheduled for Thursday, May 28, 1981. Tentative plans call for the completion of six tasks:

- Installation of safety equipment on the polar crane.
- Installation of a portable, shielded gamma spectrometer system.
- Troubleshoot and repair of the Gai-Tronics (an installed communications system within the Containment Building).
- Survey of the "D Ring" area, preventive maintenance of certain valves, and photography of the PORV (pressure operated relief valve).
- Complete the hose connections to the SDS surface suction pump.
- Troubleshoot and repair an electrical panel (lighting) on the 347' elevation.

If all tasks are attempted, 18 men will enter the RB. Complete plans for all proposed tasks will be reviewed by the TMI Program Office prior to the entry.

An RB purge will commence one day prior to entry. It is expected that less than three curies of Kr-85 will be released during the purge.

4. Solid Waste Staging Facility Sump Contamination. The licensee continues to collect weekly samples of water from the solid waste staging facility sump. These samples are analyzed for radioactive isotope contents as a method for early indication of liner degradation. To date the results of the analysis has been stable and do not indicate liner degradation.

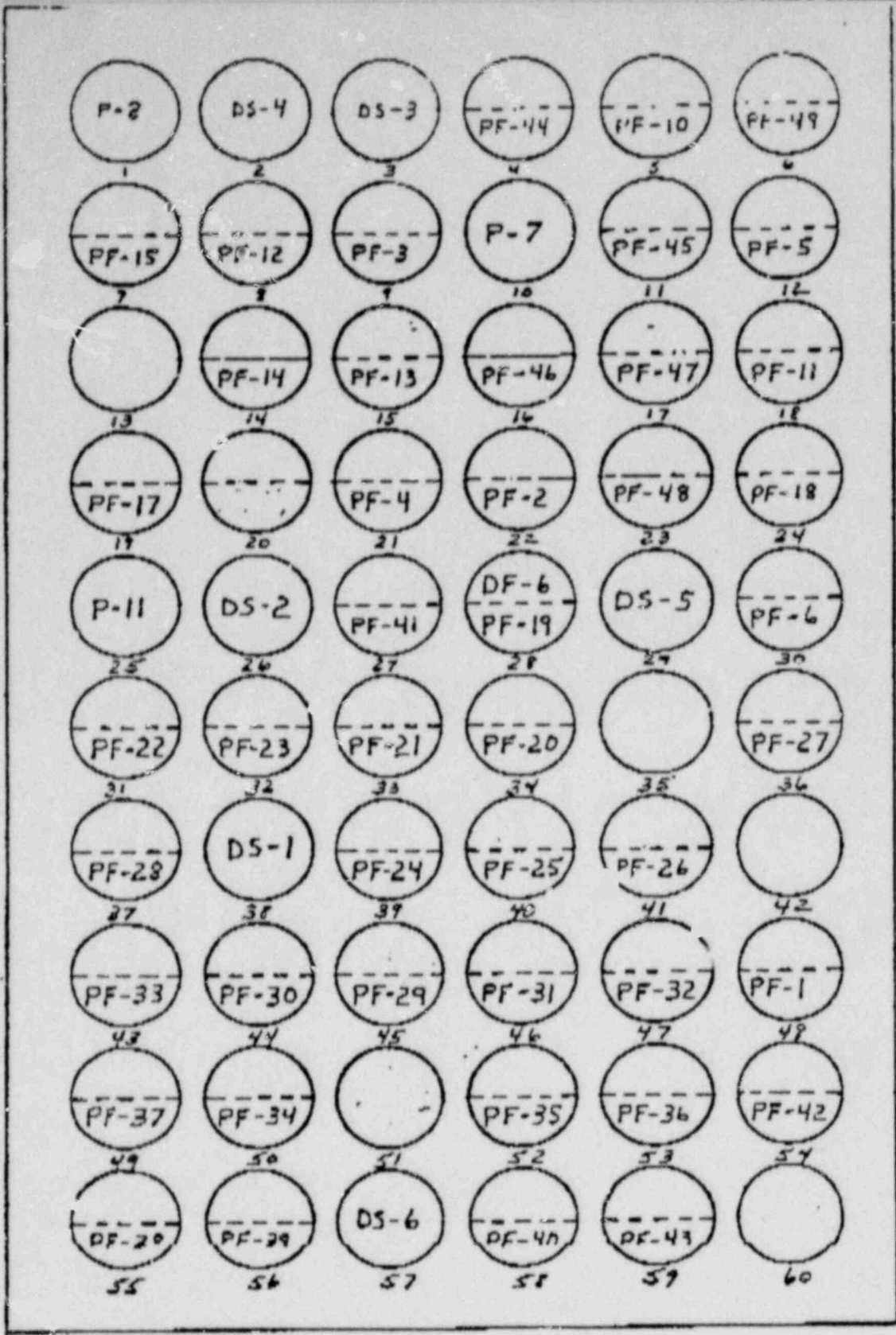
The "A" staging module, in service since January 1980, now has 55 spent-resin liners; the B module, in service since December 1980, now has 18 spent-resin liners. Graphic displays of Modules A and B are attached.

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Future Meetings

On Thursday, June 4, 1981, the Advisory Panel for the Decontamination of TMI Unit 2 will meet from 7:00 p.m. to 10:00 p.m. in the City Council Chambers, Kendig C. Bare Public Safety Building, 208 North Duke Street, Lancaster. At this meeting, which is open for public observance, the Panel will discuss Radiation Worker Exposure and Health Effects.

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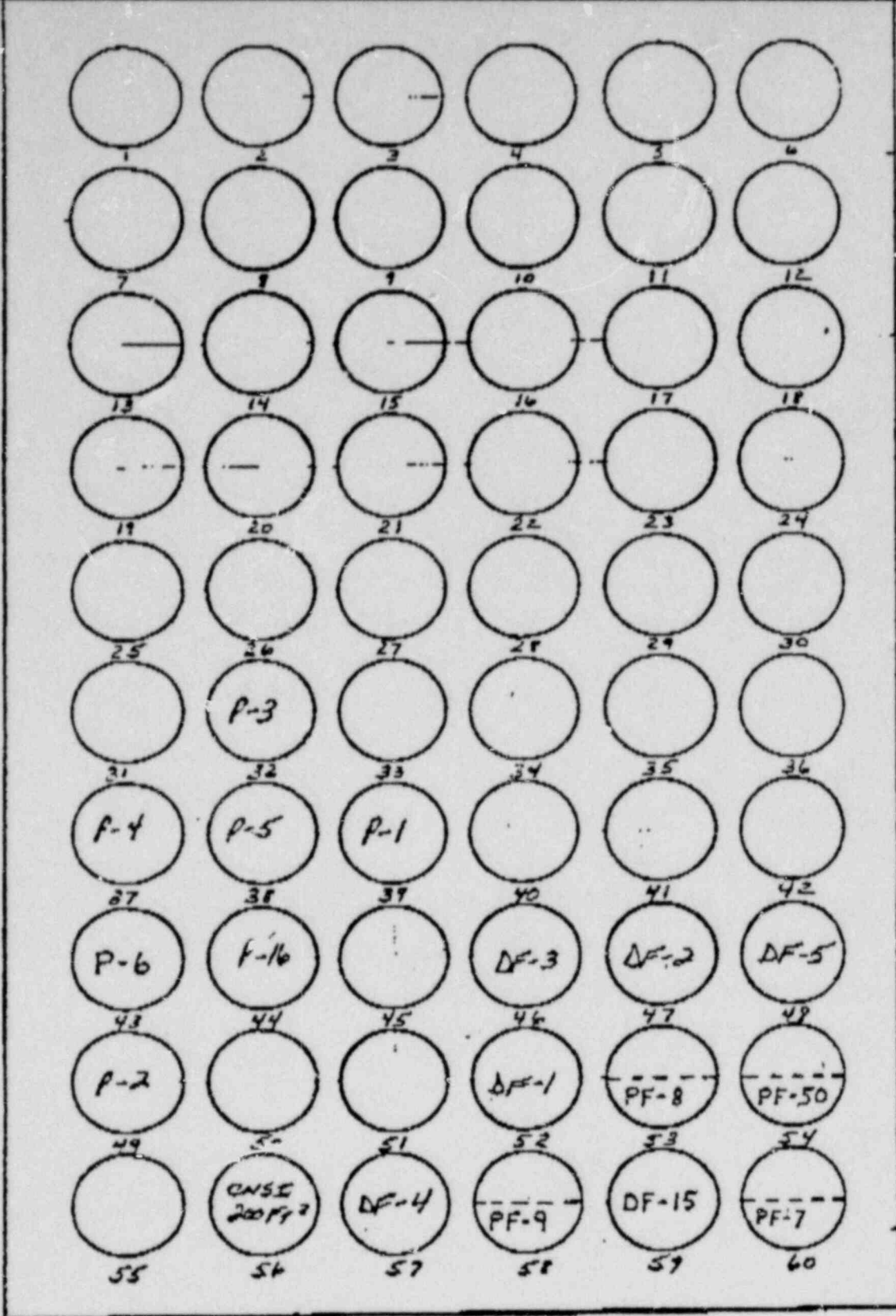


MODULE A

Attachment 1

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ENCLOSURE B



MODULE B

Attachment 2

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OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Items of Interest

Week Ending May 22, 1981

Integration of Reactor Safeguards Rules

The staff is drafting an information paper that indicates its intent to coordinate several reactor safeguards rulemaking activities. These are:

1. Reactor Access Authorization Rule
2. Modifications to Appendix B of Part 73 concerning guard force applicant identity verification
3. Amendments to 10 CFR 73.55 concerning vital area designation and protection
4. Amendments to 10 CFR 73.55 concerning final requirements for entry searches

The staff feels that the perception of "ratcheting" licensees could be reduced if these related activities are coordinated and addressed in a common policy session.

B&W Navy-Lynchburg ID SRD/Evaluation

As part of the contract effort, NRC-02-81-028, "Evaluation of Material Accounting Performance at Nuclear Fuel Cycle Facilities", Nusac, Inc., and NRC personnel visited the B&W Navy fuel manufacturing facility at Lynchburg, Virginia, during the week of May 11, 1981. Data was collected and discussions held with facility personnel in order to evaluate B&W's material accounting experience. The AMASS model will be applied to independently compute the LEID and any differences with B&W results will be reconciled. The ID variance contribution due to non-measurement sources will be assessed by statistically examining B&W's historic ID performance over the past several years. Preliminary results of the evaluation should be available by the end of June.

Meeting of Developers of High-Level Waste Forms for Defense Waste

The Savannah River Laboratory (SRL) sponsored a meeting of Developers of high-level waste forms for defense waste in Atlanta on May 18 and 19. The purpose of the meeting was to allow respective developers to present processing and performance information on waste forms they have been developing under SRL/DOE contracts to a Peer Review Panel. The Panel's job is to assess the information and select two most promising waste forms. The waste forms reviewed by the panel were SYNROC, tailored ceramics, high-silica glass, borosilicate glass, FUETAP concrete, coated ceramic particles, and glass or ceramic "marbles" in a metal matrix. The conclusions were that borosilicate glass and one other alternate form, not yet selected would be designated for further development for potential use in immobilizing high level defense waste.

Meeting with Congresswoman Marge Roukema

On May 18, 1981, Harry Thornburg, IE, Gerry Page, NMSS, Bob Fonner, ELD and Fred Combs, OCA, participated in a meeting in Congresswoman Roukema's office to discuss the thorium contamination recently discovered at two private residences in Maywood, New Jersey. DOE, EPA and State of New Jersey officials also attended. DOE agreed to undertake a radiological assessment of the two residences to determine the extent of ground contamination and what remedial actions are needed to reduce radiation exposures to acceptable levels. EPA was asked to determine how funds might be made available from the Superfund Act to pay the cost of the required remedial actions.

Meetings - Division of Fuel Cycle and Material Safety

1. Subject: Regional Evaluation Phase of the Systematic Assessment of Licensee Performance (SALP) - Combustion Engineering (Windsor Facility)
Date/Time: May 21 - 1:30
Location: Region I Office, King of Prussia, PA
Attendees: N. Ketzlach (FC), B. H. Grier (IE), J. M. Allen (IE), E. J. Brunner (IE), T. T. Martin (IE), G. H. Smith (IE), R. R. Keimig (IE), H. W. Crocker (IE) and J. Roth (IE)
2. Subject: Resolve internal comments on the EIS for the Westinghouse proposed fuel fabrication plant near Prattville, Alabama
Date/Time: May 20-21
Location: Oak Ridge, Tennessee
Attendees: E. Y. Shum (FC) and ORNL staff
3. Subject: Discuss Radiological Contingency Planning requirements with Radiopharmaceutical Manufacturers
Date/Time: May 27 - 10:00
Location: 5th floor conference room - Willste
Attendees: R. E. Cunningham, R. G. Page and F. D. Fisher (FC), Dr. Brantley (New England Nuclear) and representatives of four other radiopharmaceuticals manufacturers
4. Subject: Discussion of Radiological Contingency Planning requirements with Monsanto Research Corporation
Date/Time: May 27 - 2:00
Location: Room 517 - Willste
Attendees: R. G. Page (FC), F. D. Fisher (FC), Robert Taylor and Robert Schimmel (Monsanto Research Corporation)
5. Subject: Discussion of Radiological Contingency Planning requirements with General Electric, Wilmington, N.C.
Date/Time: May 28 - 10:00
Location: Room 517 - Willste
Attendees: R. G. Page (FC), F. D. Fisher (FC), Charles Vaughn (GE, Wilmington)
6. Subject: Draft NRC/EPA Memorandum of Understanding - Control of Areas Contaminated with Radioactive Materials
Date/Time: May 28 - 2:00
Location: Room 517 - Willste
Attendees: R. E. Cunningham (FC), R. G. Page (FC), D. Mausshardt (NMSS), F. Chanania (NRC), Ray Johnson and Jay Silhanic (EPA)

7. Subject: To work with Sandia Laboratory on the application review process for material licensees
Date/Time: June 1 - 4
Location: Albuquerque, New Mexico
Attendees: T. F. Carter (FC), IEAL personnel, Bruce Varnado (Sandia Lab)

ABSENCES OF DIRECTOR OR DEPUTY DIRECTOR

Thomas F. Carter, Jr. - June 1 - 4, Albuquerque, New Mexico

Planned Meetings - Division of Waste Management

1. Subject: FIN B-6965, to discuss the effects of delays of electrical equipment in the performance of Task 2, 3, and 4.
Date: May 26, 1981
Location: Willste Bldg., 6th floor conference room
Attendees: WMLL - E. Hawkins, D. Siefken, J. Shaffner
Illinois State Geologic Survey - Ms. Kyser
2. Subject: Conoco - New applications for solution mining
Date: May 27, 1981
Location: Willste Building
Attendees: WMUR - J. Linehan
3. Subject: NRC's recommendations on the reclamation and long term stability of the Union Carbide Corporation's Uravan Colorado tailings disposal site
Date: May 27, 1981
Location: Denver, Colorado
Attendees: WMUR - R. Scarano
4. Subject: Contract B-6934, Bureau of Mines
Date: May 28, 1981
Location: Willste Building
Attendees: NRC - J. Greeves, T. Seemans, L. Hartung, P. Smith
Bureau of Mines - G. Niewiadomski
5. Subject: To brief New Mexico Radiation Technical Advisory Committee on the basis for minimum national standards (NRC regs.) on uranium milling
Date: May 28, 1981
Location: Albuquerque, New Mexico
Attendees: NRC - K. Hamill, J. Martin, H. Miller, R. Scarano,
E. Branagan - NRR
Staff from SP, DOELD, and OGC
6. Subject: NRC's recommendations on the reclamation and long term stability of the Union Carbide Corporation's Uravan Colorado tailings disposal site
Date: May 29, 1981
Location: Denver, Colorado
Attendees: Staff of Union Carbide Corp.
NRC - R. Scarano
7. Subject: Modeling groundwater flow in the unsaturated zone
Date: June 1, 1981
Location: Willste Bldg., 6th floor conference room
Attendees: WMLL - E. Hawkins, D. Siefken, J. Starmer, D. Widmayer,
M. Pavlucik
Ertech - J. Tracy

Planned Meetings - Division of Safeguards

1. Subject: Meeting with General Atomic and Rockwell International to discuss outstanding licensing issues.
Date: May 26-29, 1981
Location: San Diego and Los Angeles, California
Attendees: M. Remley, AI
W. Mowry, GA
D. Huff, SGML

2. Subject: To represent NRC on U.S. team at final TASTEX Steering Committee Meeting. To participate in bilateral and trilateral consultations on establishing safeguards cooperative programs.
Date: May 23-30, 1981
Location: Tokyo, Japan
Attendees: M. Kawasaki, Japan
S. McDowell, DOE
A. Sessoms, DOS
F. Houck, ACDA
L. Green, BNL
C. N. Smith

3. Subject: Technical Bilateral Meeting w/French at DOE to discuss nuclear terrorism information exchange
Date: June 2 & 3 -All day
Location: DOE - Gaithersburg
Attendees: D. Chapell or R. Burnett
L. Quinn, SGPD
J. Davidson, SGPD
B. Jones, SGPD
S. Mullen, SGPD
FBI, CIA, Lawrence Livermore Lab.

4. Subject: Mtg w/Defense Nuclear Agency, Nuclear Security Division, Alexandria, VA - to discuss the Role of Behavioral Science in Physical Security
Date: June 3 and 4, DNA, conference room A
Location: Alexandria, VA
Attendees: S. Mullen, SGPD
P. MacMurdy, SGPD

Absence of Director or Deputy Director

D. R. Chapell - May 26 & 27, June 1, 1981

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending May 22, 1981

1. The following Notification of Significant Enforcement Action was dispatched during the past week:
 - a. EN-81-16 Tennessee Valley Authority, Sequoyah Unit 1 - A Notice of Violation was issued to subject licensee on May 21, 1981 based on alleged violations associated with the improper operation of the containment spray system at the Sequoyah plant on February 11, 1981 (PNO-II-81-15). The violations included: 1) Inadequate on the job training of an auxiliary operator, 2) Failure to implement appropriate procedures, and 3) Inadequate administrative procedures.

2. Preliminary Notifications relating to the following actions were dispatched during the past week:
 - a. PNO-I-81-61 Indian Point Unit 2 - Revised Restart Date for Indian Point Unit 2
 - b. PNO-I-81-62 Becton-Dickinson - Irradiator Incident
 - c. PNO-I-81-63 Indian Point Unit 2 - Restart of Unit 2 After Extended Outage
 - d. PNO-II-81-35 Atlantic Research Corporation - Contaminated Area at Atlantic Research Facility Near Alexandria, Virginia
 - e. PNO-II-81-36 University of Maryland Hospital - Apparent Internal Radioactivity in Truck Driver
 - f. PNO-III-81-49 LACBWR, Dairyland Power Cooperative - Unauthorized Modification to the Primary Containment System
 - g. PNO-V-81-28 Rancho Seco Nuclear Power Plant - Steam Generator Tube Leak
 - h. PNO-TMI-81-11 Three Mile Island, Unit 2 - Epicor-II Resin Liner Shipment for Research and Development

ENCLOSURE D

OFFICE OF NUCLEAR REGULATORY RESEARCH
IMPORTANT EVENTS FOR THE WEEK ENDING MAY 22, 1981

A. Experimental Programs Branch

1. FLECHT SEASET

Westinghouse published "PWR FLECHT SEASET Unblocked Bundle, Forced and Gravity Reflood Task Data Report," NUREG/CR-1532. This two volume document reports the result of the 17 x 17 unblocked bundle experiment.

A meeting was held with NRR staff to discuss the drafted RIL T67 - 17 x 17 Reflood Heat Transfer. Comments from NRR are being incorporated into the final RIL.

2. Advanced Two-Phase Flow Instrumentation for Power Plant Applications

ORNL published the Quarterly Progress Report for October-December 1980, NUREG/CR-2007. It reports the THTF test results of the CE heated thermocouple (HTC) liquid level probe, the multi-element HTC probe and the ultrasonic probe.

3. BWR CCFL Refill/Reflood Program

Lynn 30° SSTF separate effects tests in a BWR/6 configuration are about 2/3 complete. So far, the instrument line insulation problem seems to have been corrected. The PMG approved a somewhat reduced test matrix in an attempt to recover from delays caused by the insulation problem and overall funding constraints. The PMG also approved the first three BWR/6 transient tests so that a costly delay will not result while the PMG reviews the total test matrix. These tests should start in early June.

Discussions with NRR, GE and EPRI about the technical merits of the 360° facility are continuing.

4. Semiscale

Quick Look reports for tests S-UT-6 and S-UT-7 have been completed (5 percent cold leg break with and without UHI). The tests confirmed previous PWR analyses that a 5 percent break was a worst case for the conditions tested, and that UHI provided greater inventory.

Facility modification is continuing with intact loop piping completed and guard heater tapes installed.

A draft copy covering Westinghouse liquid level device installation in Semiscale and initial testing has been mailed to Westinghouse and to RES for proprietary content review prior to release.

B. ANALYTICAL MODELS BRANCH

1. LANL has completed the small-break LOCA and the main-steamline break analyses with TRAC-PD2 (for the OCONEE plant), as part of the Pressurized Thermal Shock scenarios.
2. Also completed, at LANL, are the detailed USPWR analyses for LBLOCA, that reflect RES comments on the previous analyses.
3. Second version of NUREG-0676 "Plans for Assessment of Best-Estimate LWR Systems Codes" has been completed and is now in the concurrence chain.

Publications to be Issued in the Near Future

Title: Appl icability of Existing Regulatory Guides to the Design, Construction, and Operation of an ISFSI

Expected Issuance Date: July 1981

Description: Identify existing regulatory guides that may be applicable in whole or in part to the design, construction and operation of an ISFSI.

Contact: D. Reisenweaver
443-5910

Title: Nuclear Criticality Control and Safety of Homogeneous Plutonium-Uranium Fuel Mixture Outside Reactors

Expected Issuance Date: November 1981

Description: This regulatory guide provides guidance for complying with this portion of the Commission's regulations by describing procedures acceptable to the NRC staff for the prevention of criticality accidents in operations involving homogeneous plutonium-uranium fuel mixtures outside reactors.

Contact: M. S. Weinstein
443-5910

Radiation Policy Council

On May 21, 1981 the Working Group of the Radiation Policy Council met to continue its reexamination of the Federal guidance function for radiation protection which is now exercised by EPA. Frank Arsenault, NRC's representative to the Working Group, and Ed Podolak attended the meeting. The Council itself will almost certainly go out of business at the end of this fiscal year. In addition to lacking funding for FY '82, Carl Gerber, the Council's Director, met with representatives of OMB who informed him that they are fundamentally opposed to interagency working groups. At the RPC Working Group meeting Don Ross, DOE, announced that Congressman Samuel S. Stratton's Subcommittee on Procurement and Military Nuclear Systems of the House Armed Services Committee will hold hearings starting June 10, 1981 on the derivation of standards for the management and decontamination of uranium mill tailings piles. Also, Gordon Burley, EPA, reported that it would take until December 1981 for EPA to analyze the comments on their "Federal Radiation Protection Guidance for Occupational Exposures" and to develop a new strategy based on that analysis. There have been significant negative comments on most of the important features of the proposed guidance.

POOR ORIGINAL

ITEMS OF INTEREST
OFFICE OF INTERNATIONAL PROGRAMS
WEEK ENDING MAY 22, 1981

NRC-CNEN Renewal Arrangement

The Brazilian National Committee for Nuclear Energy (CNEN) advised IP on May 19 that, after careful consideration of the proposed NRC-CNEN information exchange arrangement forwarded in March, it finds itself "perfectly in accord with its terms" and is ready to sign it with NRC as soon as the time and the place can be arranged. The original arrangement was to expire on May 20.

Foreign Visits to NRC

On Monday Messrs. B. Roche, A. Dore, M. Debes, and A. Gouffon of the French Service Central de Surete des Installations Nucleaires met with E. Jordan, D. Kirkpatrick and J. Stone of IE to discuss respective methods of inspection and control of nuclear power plants. The group then went to Region II for regional meetings and an inspection tour.

On Monday Prof. G. Croci of Rome University, coordinator of a special commission for the issuance of Italian civil structure safety standards for nuclear power plants, met with W. Morrison, W. Anderson, G. Arndt, G. Bagchi, H. Graves, J. Costello, R. Kerneally, and H. Ashar, all of MSEB/RES; J. Gilray, QAB/NRR; R. E. Lapinsky, SEB/NRR; and S. Richardson, HFB/RES, to discuss quality assurance and the status and development of civil engineering codes for nuclear power.

On Wednesday and Thursday Messrs. Lars Larsson, future Director of Inspection and Enforcement for the Swedish Nuclear Power Inspectorate (SKI) and Lars Hogberg, future SKI Director of Licensing, met with J. Sniezek, V. Stallo and N. Moseley, IE, D. Eisenhut, NRR, C. Michelson, AEOD, R. Bernero, RES, J. D. Lafleur, IP, and T. Speis and J. Meyer, RSB/NRR to discuss respective methods of inspection and enforcement, licensing and administration. The Swedes visited the Region II Office earlier in the week.

On Thursday Ambassador Siazon of the Philippines met with Commissioners Ahearne, Gilinsky and Bradford and IP Director Shea to discuss the upcoming IAEA election for the position of Director General and international nuclear policy issues.

On Thursday G. Chingari, a contractor with the Italian National Committee for Nuclear Emergency (CNEN) met with J. D. Lafleur, IP, and S. Amos, MPA to discuss data base development and retrieval for standards description.

Philippines Nuclear Power Plant (PNPP-1)

The Center for Development Policy has supplied copies of a recent speech by R. Pollard before the Manila Rotary Club, and several newspaper clippings and letters pertaining to PNPP and the speech. Copies are being placed in the PDR.

OFFICE OF STATE PROGRAMS

ITEMS OF INTEREST

WEEK ENDING MAY 22, 1981

Representatives of OSP, NMSS, ELD and OGC will meet with the New Mexico Radiation Technical Advisory Council on May 28, 1981 to discuss NRC's regulations for uranium mills and tailings and the State's actions in preparing to enter into an amended agreement by November 8, 1981. W. Kerr, OSP, and representatives of other NRC offices will also appear at the New Mexico Environmental Improvement Board Hearings on June 11.

William B. Menczer, Regional State Liaison Officer, Region III, on May 18, 1981 toured Dresden Station Units 1, 2, and 3, as well as the chemical cleaning facility for Unit 1. Additionally, he met with the Dresden Plant Superintendent to discuss mutual activities concerning State and local officials. That evening he spoke before the monthly meeting of the Shabbona Fire District in Coal City, Illinois on the NRC's Role in Reactor Regulation and Emergency Response. He was joined by the Resident Inspectors from the Dresden Station.

On May 19, 1981, Mr. Menczer was in Cordova and Moline, Illinois attending a press briefing, plant tour, and pre-exercise meeting with the Regional Assistance Committees, Regions V and VII, in preparation for the Quad Cities exercise of radiological emergency response plans for the States of Illinois and Iowa. On May 20, 1981, Mr. Menczer was in Davenport, Iowa at the Scott County Emergency Operations Center (EOC) and in Clinton, Iowa at the Clinton County EOC, observing an exercise of the Iowa Emergency Plan in support of the Quad Cities Nuclear Station. On May 21, 1981, Mr. Menczer was in Moline, Illinois meeting with the Region V and VII Regional Assistance Committees to consolidate observer comments on the Quad Cities exercise and participated in the joint critique of the exercise.

On May 15, 1981, Jerome Saltzman, Darrel Nash and Robert Wood, all of OSP, and Sam Bryan, IE, met with staff of the Internal Revenue Service to discuss the concept of "placed 'n service" used by the IRS. The discussion was part of a continuing series of meetings of OSP staff with economic regulatory agencies to follow up on recommendations made in the Rogovin report with respect to possible financial disincentives to safety.

Jim Petersen met with Arizona Public Service Co. on May 18, and with Duke Power Co. on May 20, regarding financial qualifications of proposed new municipal joint owners of Palo Verde 1-3 and Catawba 2, respectively.

On Tuesday, May 19, John Collins, Deputy Director for Region IV and Jim Montgomery, Regional State Liaison Officer, met with Governor Clements and other officials in Austin. During the meeting with the Governor and the Texas State Liaison Officer, Edward Vetter, issues discussed were the construction of nuclear power plants at South Texas and Commanche Peak, high and low level waste disposal, and the mission of the NRC Region IV office. Governor Clements emphasized the need for a permanent low-level waste burial site in Texas for Texas waste. He urged the NRC to publish technical criteria for the construction and operation of a "state-of-the-art" LLW site as soon as possible. He said Texas was relying extensively on the NRC for technical guidance and assistance.

ENCLOSURE H

OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS

Items of Interest

WEEK ENDING MAY 22, 1981

Briefing Book

Drafted briefing book containing general information on NRC programs and selected issues for new Chairman-designate. Circulated book to Offices for review and comment.

Office of the Controller

Items of Interest

Week Ending May 22, 1981

FY 1983 Budget

The office submissions were due on Friday, May 22. The BRG is scheduled to meet during the period of May 29 through June 10 to review and make resource recommendations to the EDO.

FY 1981 Reprogramming

A Commission Action paper outlining the reprogramming requirements as a result of the mid-year review was forwarded to the Commission.

Enclosure J

ITEMS APPROVED BY THE COMMISSION - WEEK ENDING MAY 22, 1981

- A. STAFF REQUIREMENTS - DISCUSSION AND POSSIBLE VOTE ON FULL-POWER OPERATING LICENSE FOR SALEM-2, 2:30 P.M., TUESDAY, MAY 19, 1981, COMMISSIONERS' CONFERENCE ROOM, D.C. OFFICE (OPEN TO PUBLIC ATTENDANCE). Memo SECY to Dircks, dtd 5/20/81.

The Commission was briefed by staff on the proposed operating license for Salem-2, the draft supplement number 6 to the SER and the results of the fire protection review conducted at the Salem station.

The Commission, by a vote of 4-0, authorized the Director, NRR, to issue a full-power operating license for Salem Unit 2. (NRR)

- B. STAFF REQUIREMENTS - DISCUSSION OF REVISED LICENSING PROCEDURES, 10:05 A.M., TUESDAY, MAY 19, 1981, COMMISSIONERS' CONFERENCE ROOM, D.C. OFFICE (OPEN TO PUBLIC ATTENDANCE). Memo SECY to Bickwit/Cotter/Rosenthal/Dircks, dtd 5/22/81.

- I. SECY-81-307 - Final Rulemaking on Appendix B to Part 2 as it Applies to Operating Licenses

The Commission, by a vote of 3-1 (Commissioner Ahearne dissenting), approved a final rule which amends its review procedure by requiring direct Commission review of Board decisions to determine whether their effectiveness should be deferred pending further agency review. Commissioner Ahearne indicated that he would attach separate views to the FRN. The final rule as modified at the meeting will be published in the Federal Register at the earliest practical date. (OGC)

The Commission noted that in view of the short period of time available to file comments pertaining to the immediate effectiveness issue in full-power operating licenses, the Boards may need to notify parties by telephone of the issuance of a decision.

- II. SECY-81-202C - Revised Draft Policy Statement on the Conduct of NRC Proceedings

The Commission, by a vote of 4-0, approved the issuance of the Statement of Policy as modified at the meeting.

(Subsequently, the Policy Statement was signed by the Secretary.)

- III. SECY-81-304 - Proposed Rule Change on Adjudicatory Boards' Authority to Raise Issues Sua Sponte

The Commission discussed the subject paper without reaching a decision. The Commission will continue this discussion at the next meeting, together with SECY-81-310, Final Rule Amending Part 2, and SECY-81-311, Proposed Rule Amending Part 2.