

February 1, 1990

For: The Commissioners

From: James L. Blaha, Assistant for Operations, Office of the EDO

Subject: WEEKLY INFORMATION REPORT - WEEK ENDING JANUARY 26, 1990

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

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*No input this week.

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2 Feb '90

HIGHLIGHTS OF WEEKLY INFORMATION REPORT

WEEK ENDING JANUARY 26, 1990

THREE MILE ISLAND UNIT 2

On January 19, 1990 the Atomic Safety and Licensing Appeal Board (ASLABP) issued ALAB-926 affirming the Licensing Board's February 2, 1989 decision. The February 2, 1989 decision authorized the disposal, by evaporation, of the 2.3 million gallons of accident generated water stored on-site.

The licensee is currently testing the evaporator with a surrogate solution. The licensee is continuing to make modifications to the system based on the results of testing. Assuming a successful surrogate testing program the evaporator could be operational by March 1990.

Nebraska LLW Site

Representatives of LLWM and OCA attended a town meeting in Bonesteel, SD, on Saturday, January 20, 1990, at the request of Senator Larry Pressler (R-SD). The NRC representatives were present as resource persons for the Senator to answer questions related to the licensing process for low-level waste disposal facilities. There is increased interest in low-level waste issues in southern South Dakota because the Central States Compact has a site in northern Nebraska (within 5 miles of the South Dakota border) as its preferred low-level waste disposal facility.

Council of State Governments Meeting

The Council of State Governments Eastern Regional Conference held a joint meeting of the Environment Committee and the Energy and Public Utilities Committee on January 24-26, 1990 in Washington, DC. The Eastern Regional Conference included legislators and staff from Connecticut, Delaware, Massachusetts, New Jersey, New York, Pennsylvania and Rhode Island. The joint meeting reviewed a variety of energy and environmental policy and legislative issues including the Clean Air Act, the Clean Water Act, global warming and the greenhouse effect, and automobile fuels of the future. There was a session on issues regarding LLW generation and disposal with representatives from the Department of Energy, the Nuclear Information Resources Service and the New York State LLW Siting Commission. William Russell, Region I Administrator, Sheldon Schwartz, Deputy Director of GPA, and Joseph Scinto, OGC, participated in a panel discussion on nuclear-related issues.

Office of Nuclear Reactor Regulation
Items of Interest
Week Ending January 26, 1990

TURKEY POINT UNITS 3 AND 4

ON January 16, 1990, the Atomic Safety and Licensing Board issued an Order for Summary Disposition (dismissal) of the remaining contention in an intervention proceeding.

In December 1988 an intervenor, Joette Lorien, challenged a license amendment which approved a revision of the plant's tech specs (TS) concerning pressure/temperature limits. The TS change made the P/T limits applicable to 20 full power years (instead of 10 years in the previous TS). The intervenor's concern related to reactor vessel embrittlement, and this general area of concern has been brought before the NRC on previous occasions since 1980 by this same intervenor, once progressing as high as the U.S. Supreme Court while challenging the pressurized thermal shock issue. Significant staff resources were expended preparing for a hearing scheduled for February 27, 1990; the hearing is now cancelled.

The intervenor has 10 days to file a notice of appeal. The order will stand unless it is appealed or unless the Commission reverses it within 45 days.

ARKANSAS NUCLEAR ONE (ANO) UNITS 1 & 2

On January 15, 1990, the Arkansas Power and Light Company (AP&L) announced several organizational changes. These changes are being implemented to continue the improvements begun with last summer's major reorganization which included the assignment of unit specific operation and maintenance responsibilities. Highlights of this latest reorganization are the assignment of maintenance and engineering support staff to each plant specific maintenance organization; the assignment of systems engineers, performance engineers, and reactor engineers to each unit's systems engineering group; the establishment of a new engineering standards program department and a new nuclear industry support group. In addition, the shift technical advisor positions are being transferred to nuclear operations as shift engineers reporting to unit specific shift supervisors.

Along with the organizational changes, AP&L also announced a planned relocation of all Little Rock based nuclear operations, engineering and support personnel to the ANO site by the end of the summer. About 170 employees will be affected.

THREE MILE ISLAND UNIT 2

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INTERGOVERNMENTAL MEETING, "PROBLEM PARTS AND SUPPLIERS"

As a result of NRC and NASA staff discussions held in September 1989, NASA's Director of the Division of Reliability, Maintainability, and Quality Assurance arranged an interagency meeting at a NASA contractor facility in Washington, D.C. on January 19, 1990 to discuss the exchange of information regarding problem parts and suppliers among government agencies. The meeting was attended by technical and investigative representatives from NASA, DOD, DOE, DOT (FAA), NIST, NRC, GAO, and the Government-Industry Data Exchange Program (GIDEP). The Director, OI and staff and the Chief, Vendor Inspection Inspection and staff attended the meeting. Each agency represented a brief description of its experiences with substandard/misrepresented parts and suppliers, its internal procedures and activities to disseminate the information among affected groups, and any external steps taken to inform other potentially affected federal agencies and/or industry organizations. The use of GIDEP as a vehicle for rapidly informing other groups was extensively discussed. In the Fall of 1989, NRC became a member of GIDEP and now all NRC bulletins and information notices are made available to other member federal agencies through the GIDEP network. Although no final consensus was established, it was agreed that NASA Headquarters would convene a second meeting at the working group level in the near future with the aim of arriving at a mutually acceptable approach for rapidly disseminating this type of information.

COMANCHE PEAK ORAT

The Comanche Peak Operational Readiness Assessment Team began its two-week inspection on January 22, 1990. The inspection will provide an input and basis for an NRC determination of the applicant's readiness to load fuel and conduct power operations.

NTOL AND RESTART SCHEDULE
1/26/90

I. Schedule for NTOL plants:

<u>PLANT</u>	<u>LOW POWER AUTHORIZIN</u>	<u>INITIAL CRITI- CALITY.</u>	<u>COMMISSION BRIEFING..</u>	<u>FULL POWER AUTHORIZIN</u>
COMANCHE PEAK 1	2/90E	2/90E	3/90E	4/90E
SEABROOK	5/26/89C	6/13/89C	1/18/90C	2/90E

II. Schedule for RESTART plants:

<u>PLANT</u>	<u>SHUTDOWN</u>	<u>COMMISSION STATUS BRIEFING. ...</u>	<u>NRC RESTART DECISION</u>	<u>PLANT RESTART</u>
BROWNS FERRY 2	9/15/84C	4/90E	5/90E	5/90E
NINE MILE POINT 1	12/19/87C	3/90E	4/90E	4/90E

Office of Nuclear Material Safety and Safeguards
Items of Interest
Week Ending January 26, 1990

SAFEGUARDS

International

Running Book Inventory (RBI) Briefing

On January 19, 1990, Messrs. E. R. Johnson, G. Hough and F. Tingey briefed three International Atomic Energy Agency (IAEA) staff at the Department of State on the results of Task 1 of the RBI contract. The IAEA's interest in this concept is based on its need to identify a reliable diversion detection technique that makes the most efficient use of limited inspection resources. Discussions centered principally on model development, measurement verification requirements and the sensitivity in terms of quantity and timeliness of identified test statistics. The IAEA was advised of the Nuclear Regulatory Commission's and contractor's plans for Task 2 including a concerted effort to obtain actual operating plant data for evaluation.

International Atomic Energy Agency (IAEA) Inspection at the General Electric Facility

On January 24, 1990, an IAEA team initiated a short notice random inspection at the General Electric Fuel Fabrication Plant in Wilmington, NC. The team will audit the facility's ledger, measure fuel rods and weigh and sample uranium dioxide pellets.

Domestic

Review of Material Control and Accounting (MC&A) Upgrade Implementation

A special team of Safeguards staff and contractor personnel is reviewing the initial implementation of the new Part 74 MC&A requirements at United Nuclear Corporation, Uncasville, CT. This is a performance oriented rule designed to detect, in a timely manner, an abrupt loss of five or more formula kilograms of strategic special nuclear material from an input process. Similar reviews are scheduled for the other Category I facilities.

INDUSTRIAL AND MEDICAL NUCLEAR SAFETY

Fuel Cycle Safety

BP Chemicals, Inc.

On January 23, 1990, representatives of BP Chemicals, Inc., met with NRC staff to discuss the planning of BP Chemicals for the continuation of the decontamination of equipment, grounds, and wastewater treatment ponds at their Lima, Ohio site. BP Chemicals will submit its revised plans and schedules for the decontamination within a few months. The regulations on decommissioning funding assurance, due July 27, 1990, were also discussed.

Combustion Engineering - Hematite

On January 24, 1990, Combustion Engineering, Inc., (CE) was issued an amendment to Materials License No. SNM-33 authorizing enriched uranium processing in two new pelletizing lines. CE had initially been authorized on November 25, 1989 to move enriched material into the portion of the facility which housed the two new lines. CE expects to initiate operations immediately.

LOW-LEVEL WASTE MANAGEMENT

NRC/DOE Memorandum of Understanding

On January 18, 1990, LLWM staff met with DOE in Albuquerque, NM, to discuss the memorandum of understanding (MOU) for the Uranium Mill Tailings Remedial Action (UMTRA) project. The current MOU was signed in March 1987. In September 1988, NRC and DOE reached agreement to streamline the NRC review process leading to concurrences required by the Uranium Mill Tailings Radiation Control Act (UMTRCA). During the meeting, discussions were held relative to changes to the MOU to incorporate the streamlining agreements and other changes in the program since the last MOU was signed. DOE agreed to prepare a marked-up version of the MOU for NRC review by February 2, 1990.

Nebraska LLW Site

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Office of Nuclear Regulatory Research
Items of Interest
Week Ending January 26, 1990

NRC Special Committee to Review the Severe Accident Risk Report

The NRC Special Committee to Review the Severe Accident Risk Report met on January 18 and 19, 1990 in Bethesda. The Committee received additional technical briefings by NRC, Sandia and Brookhaven National Laboratory personnel on selected topics relating to the NUREG-1150 report.

At the conclusion of these presentations, the Committee agreed on an outline and content for the Committee's final report and made assignments for drafting sections of that report. The next meeting of the Committee will be March 8-9 at which time the Committee will review and edit the working drafts prepared by the members.

The Committee discussed some generalized observations regarding the 1150 report. In general, the Committee felt that the report was a highly valuable study, it illuminated the present state of PRA and includes new and powerful methods, notably the expert elicitation process and the latin hypercube statistical sampling method. The Committee noted a number of areas which they believed were weak, mainly in the area of human reliability and sensitivity analyses.

Office for Analysis and Evaluation of Operational Data
Items of Interest
Week Ending January 26, 1990

Division of Operational Assessment (DOA)

On January 23, in response to a notification by the Atomic Control Board of Canada regarding an event that occurred during an on-line refueling operation at the Bruce Generating Station-A, the NRC Incident Response Center notified NRC management and other federal agencies and then monitored the progress of the event until its conclusion on January 24.

On January 24, the AEOD Director, Regional Administrator, Region V, the Associate Director for Reactor Projects, NRR, Palo Verde DET Manager and Deputy, and other NRC staff met at the NRC's Region V office with the President and Chief Executive Officer, Arizona Public Service Company, the Executive Vice President, Nuclear, and several of the top managers responsible for the facility. At this meeting the NRC provided the preliminary results of the Diagnostic Evaluation.

On January 19, TTC staff met with personnel from NRR/RSIB at the TTC to discuss the course outline, course instructors and course materials for a 3-day course for Electrical Distribution System Functional Inspection (EDSFI) inspectors. The TTC will support NRR through its Specialized Technical Training Task Order Contract with the first of two courses planned for July/August 1990.

On January 22-25, the TTC staff conducted special simulator training for RES personnel with responsibilities in the severe accident management area. This training involved demonstrations of significant events and the associated mitigation efforts through the use of symptom-based emergency operating procedures (EOPs). The training was conducted on the NRC controlled simulators at the TTC which model the General Electric and Westinghouse reactor vendor designs.

On January 22-26, the first Internal Dosimetry/Whole Body Counting Course (H-312) was conducted at the TTC. Attendees included personnel from each of the regions and the states of California and North Dakota. The course was conducted by Roy F. Weston, Inc., under the TTC radiation protection task order contract. Course instructors included Dr. John Poston, a leading expert on internal dosimetry. The course also included a field trip to the Tennessee Valley Authority Power Operations Training Center whole body counting facilities for equipment demonstrations.

Division of Safety Programs (DSP)

George Lanik, Chief, Reactor Systems Section, CE & GE, Reactor Operations Analysis Branch is participating in an IAEA workshop near Vera Cruz, Mexico on "Technical Support of Safe Operation of Nuclear Power Plants." He has several hours presentation about recent AEOD studies and operating events of U.S. boiling water reactors.

Preliminary Notification

The following Preliminary Notifications were issued during the past week.

- a. PNO-I-90-05A, Monongahela Valley Hospital (Docket No. 030-07854), Malfunction of Source Transfer Tube in a Remote Afterloading Brachytherapy Irradiator (RABI) - Update.
- b. PNO-I-90-06, Titusville Hospital, Contamination Incident Involvement Technetium-99m Pertechnetate.
- c. PNO-II-90-08, Duke University Medical Center (Agreement State Licensee), Contamination Involving SURFUR-35.
- d. PNO-II-90-10, Georgia Power Company (Hatch Unit 1), Worker Personnel Contaminations.
- e. PNO-IV-90-03, Irigaray In-situ Uranium Mine (Docket 40-8502), Suspension of Operations.
- f. PNO-IV-90-04, Louisiana Power & Light Company (Waterford 3), Extended Plant Shutdown for Corrective Maintenance.
- g. PNO-IV-90-05, Sequoyah Fuels Corporation, Notification of Contamination Event.
- h. PNO-V-90-03, Pacific Gas & Electric Company (Docket No. 50-133), Earthquake 45 Miles Southwest of Facility.
- i. PNO-V-90-04, San Onofre Nuclear Generating Station (Irvine Operations Center), Spurious Emergency Siren Activation.

Office of Governmental and Public Affairs
Items of Interest
Week Ending January 26, 1990

State Programs

CRCPD-Executive Board Meeting

Carlton Kammerer, Director, State Programs, participated in the Conference of Radiation Control Program Directors, Inc. (CRCPD) Executive Board meeting on January 22-26, 1990 in Phoenix, Arizona. The Executive Board discussed pending CRCPD policy issues, planned future activities and conducted other routine business.

LLW Forum Meeting

The Low-Level Radioactive Waste Forum held its quarterly meeting on January 24-26, 1990 in San Francisco, California. Participants included Chairman Carr, M. Federline (OCM/KC), J. Greeves and L. Camper (NMSS), F. Combs and S. Salomon (GPA), and D. Kunihiro (Region V). Discussions focused on a draft report on significant policy and institutional problems in LLW site development and reports on State and Compact progress. The NRC, DOE and the three sited States gave a 1990 milestone (Governors' certifications) compliance report. The sited States' representatives indicated that the Governing Board of the South Carolina Department of Health and Environmental Control is scheduled to meet on February 1, 1990 in Columbia, South Carolina to determine State compliance with the milestone and that the Nevada and Washington determinations would be made at the staff level.

Other discussions covered uniform manifest, mixed waste coordination, waste characterization/source term, performance assessment, automated pricing schedule computer models, LLW disposal fees, LLW policy and legislative developments, site characterization updates by California, Texas, Illinois and Nebraska, and State experiences on public participation.

Council of State Governments Meeting

The Council of State Governments Eastern Regional Conference held a joint meeting of the Environment Committee and the Energy and Public Utilities Committee on January 24-26, 1990 in Washington, DC. The Eastern Regional Conference included legislators and staff from Connecticut, Delaware, Massachusetts, New Jersey, New York, Pennsylvania and Rhode Island. The joint meeting reviewed a variety of energy and environmental policy and legislative issues including the Clean Air Act, the Clean Water Act, global warming and the greenhouse effect, and automobile fuels of the future. There was a session on issues regarding LLW generation and disposal with representatives from the Department of Energy, the Nuclear Information Resources Service and the New York State LLW Siting Commission. William Russell, Region I Administrator, Sheldon Schwartz,

Deputy Director of GPA, and Joseph Scinto, OGC, participated in a panel discussion on nuclear-related issues.

International Programs

Emergency Communications with Canada

The January 23 incident at the Bruce nuclear power plant in Ontario, Canada provided NRC and the AECB an opportunity to test their communications linkage. This incident, the planned Fermi emergency exercise, and trip to Canada by G. Zech, AEOD, and W. Upshaw, IP, to discuss emergency communication should help assure effective cooperation between the two agencies in the event of future incidents or accidents near the U.S.-Canada border.

IAEA Assignment

Dr. Michael Bell, NMSS, has accepted a three-year assignment in the Waste Management Section of the Division of Nuclear Fuel Cycle at the International Atomic Energy Agency. Dr. Bell will leave NRC January 26 to go to Vienna.

CONGRESSIONAL AFFAIRS

CONGRESSIONAL HEARINGS SCHEDULE (CA)

JANUARY 26, 1990

OCA ASSIGNMENT	DATE	TIME	WITNESS	SUBJECT	COMMITTEE
Madden	01/31/90	10:00	Markup	H.R. 3520, Hazardous Materials Transp Act	Reps. Luken/Whittaker Transp & Haz Materials House Energy & Commerce
Gerke	02/06/90	9:30	Non-NRC	Promoting EPA to Cabinet Level	Senators Glenn/Roth Senate Governmental Affairs
Madden	02/08/90	9:45	Commission	NRC's FY91 Authorization	Reps. Udall/Hansen Subc on Energy & the Environment House Interior & Insular Affairs
Combs	02/22/90	9:30	Sec. Watkins	DOE's Civilian Nuclear Waste Program	Senators Johnston/McClure Senate Energy & Natural Resources
Gerke	02/21/90 02/22/90	9:30	Non-NRC	S. 1742, Paperwork Reduction Act	Senators Glenn/Roth Senate Governmental Affairs
Gerke	02/27/90	TBA	Non-NRC	Equal Opportunity Complaint Processing	Civil Service (Sikorski/Morella) House Post Ofc & Civil Service Empl Opportunities (Martinez/Gunderson) House Education & Labor
Combs	03/08/90	9:30	Non-NRC	DOE's Plan to Open WIPP	Senators Johnston/McClure Senate Energy & Natural Resources
Combs	03/08/90	10:00	Non-NRC	DOE's Nuclear Waste, Uranium Enrichment Appropriations FY91	Reps. Bevill/Myers Energy & Water Development House Appropriations
Madden	03/21/90	10:00	Commission	NRC's FY91 Budget	Reps. Bevill/Myers Subc on Energy & Water Development House Appropriations

ENCLOSURE E

Office of Administration
Items of Interest
Week Ending January 26, 1990

Significant FOIA Requests Received by the NRC for 5-day Period
January 19 - 25, 1990

Request for copies of the three most recent OIG semiannual reports and a list of all audit and investigative reports completed in FY 1989 and to date in FY 90. (John King, Associated Press, FOIA-90-26)

Request for copies of two categories of records related to Radiation Sterilizers, Decatur, Georgia. (Linda Gilbert of Akin, Gump, Strauss, Hauer & Feld, FOIA-90-29)

Request for two categories of records regarding the Nine Mile Point nuclear power plant. (Steven Sholly, MHB Technical Associates, FOIA-90-30)

Request for all OE records since January 18, 1989 under the title or topic of "Enforcement Guidance Memorandum." (Karen Unnerstall of Newman & Holtzinger, P.C., FOIA-90-34)

Request for records regarding radiation surveys done in Attleboro and Norton, Massachusetts, and records containing information on all potential responsible parties. (John Calhoun, The Travelers Companies, FOIA-90-35)

Request for records related to the Conoco Conquista Project near Falls City, Texas. (Karen Van Tuyle, Conoco, Inc., FOIA-90-36)

Office of Information Resources Management
Items of Interest
Week Ending January 26, 1990

1. Implementation of NUDOCS/AD

IRM has initiated actions in response to NUDOCS users expressing concern about slowness of response time in NUDOCS/AD. The NUDOCS contractor is leasing, on an interim basis, a Data General MV/20000 minicomputer. The computer was delivered on Friday, January 19 and was operating by Tuesday, January 23. The replacement computer has greater processing capacity and has improved the response time by a factor of four. Further system hardware improvements are planned for the week ending January 26 that will again increase the processing capacity and improve response time. The leasing of the MV/20000 is a temporary measure, until NRC can complete the acquisition of the Data General MV/40000 that NUDOCS/AD was designed to operate in.

2. Decommissioning

A Decommissioning File has been created, entitled, "License Terminated/Decommissioned," to be included as part of each official case file. Documents to be filed in this category include all incoming and outgoing correspondence and internal memoranda concerning license termination, cancelled applications, withdrawn applications and decommissioning information.

3. Event Notification Search and Reporting System

The parallel processing period ended successfully and the Data General minicomputer has been removed from the NRC Operations Center. AEOD, NRR, and the Regions are now actively using SINET to retrieve 50.72 information.

4. FTS 2000 Network

The Telecommunications Branch accepted the FTS 2000 network after successful transition of White Flint and Nicholson Lane Buildings on January 24, 1990.

Office of Personnel
Items of Interest
Week Ending January 26, 1990

Recruitment Efforts

Steve Ruffin, NMSS was joined by Lynne Broadwater and Lynn Kolonowski of Region 1 at the National Society of Black Engineers (NSBE) Job Fair at Stanford University on January 20. Janet Burke, OP, traveled to an engineering job fair held at the University of Florida on January 23. Fiona Solander, OP, represented NRC at an NSBE Job Fair at Georgia Tech on January 25.

PRA Principles Being Incorporated into TTC Courses

Pete Goldman, Patricia Rathbun, and Lillian van Santen, OP, met with Ken Raglin, Director, Technical Training Center, other TTC staff, and INEL officials to determine the specific needs of TTC instructors as they begin to incorporate PRA principles into the courses taught at the TTC.

Arrivals

Gary Armstrong, Audio-visual Production Specialist (PFT), ADM
Kent Walker, Sr. Criminal Investigator (PFT), IG
Nichole Hill, Engineering Aide (Co-op) (OPFT), NMSS
Edwin Piner, Engineering Aide (Co-op) (OPFT), NMSS
Brian Smith, Engineering Aide (Co-op) (OPFT), NMSS
Tanya James, Secretary (PFT), OGC
Kathryn Winsberg, Sr. Attorney (PFT), OGC
Allen Hiser, Materials Engineer (PFT), RES
Roberta Babbitt, On-Line Service Coordinator (PFT), SECY
Dana Zaring, Office Resident Assistant (OPFT), RII

Departures

John Kronebusch, Records Management Specialist (PFT), SECY
Deborah A. Adams, Office Resident Assistant (OPFT), RII
Linda Contos-Caniezo, Personnel Assistant (OPFT), RV

Office of Enforcement
Items of Interest
Week Ending January 26, 1990

Significant Enforcement Actions

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$75,000 was issued on January 22, 1990 to Arkansas Power and Light Company (ANO Unit 1). The action was based on the miswiring of the control circuitry for two of the three service water pumps for Unit 1. Under certain conditions following an automatic reactor trip, this problem would have prevented the automatic restart of the pumps. The escalation and mitigation factors of the Enforcement Policy were considered and in this case the civil penalty was increased by 50%. The licensee's corrective actions warranted 50% mitigation but this was offset by 50% escalation for prior poor performance and escalation for an additional 50% for NRC identification. (EN 90-005)

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$25,000 was issued on January 22, 1990 to GPU Nuclear Corporation (Oyster Creek). The action was based on the licensee's failure to take corrective action for a misaligned DC control power breaker despite the fact that the condition was identified by plant personnel on a number of occasions. The escalation and mitigation factors of the Enforcement Policy were considered and the civil penalty in this case has been mitigated 50% in recognition of the licensee's comprehensive corrective actions to improve the plant's corrective action program. (EN 90-006)

A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$50,000 was issued on January 24, 1990 to Washington Public Power Supply System (WNP-2). The action was based on violations of the equipment qualification requirements of 10 CFR 50.49 (EN 90-007)

Correction

In the Weekly dated January 24, 1990 it was stated that Veterans Administration Medical Center, Brooklyn, New York paid the civil penalty in the amount of \$8,750. That is incorrect. They responded to the Notice of Violation and Proposed Imposition of Civil Penalty. (EN 89-107)

Region I
Items of Interest
Week Ending January 26, 1990

1. Monongahela Valley Hospital

On January 17, 1990, Monongahela Valley Hospital informed Region I of a malfunction of a remote afterloading brachytherapy irradiator, a device that uses sealed radioactive sources to treat tumors. The device, a Curietron 2E1000, was manufactured by CIS-U.S., a French-owned company. The malfunction resulted in the disconnection of the tube used to transfer the sources (in this instance, cesium-137) from the shielded storage unit to the patient while the patient was undergoing treatment of a uterine tumor. The disconnect resulted in one of the cesium-137 sources being located for an undetermined time near the upper part of the patient's leg, rather than in the patient. The licensee has estimated a range of potential unintended dose to the patient's leg from 23 rads to 23,700 rads, depending on the length of the exposure and the proximity of the source to the patient's leg. However, three physical examinations of the patient have indicated no visible signs of radiation damage to date. Additional future examinations of the patient will be performed. The licensee subsequently reported two additional equipment problems with this device on January 18, but neither incident resulted in further unintended radiation exposures. The device has been removed from service pending evaluation by the manufacturer and the NRC. Region I dispatched two inspectors to the facility and notified the only other user of this device in the U.S. of the malfunctions at Monongahela Valley Hospital.

Region I is evaluating potential generic implications of this incident.

2. Medical Center Hospital of Vermont

On January 17, 1990 a representative of the licensee informed Region I of the inadvertent activation of an AECL Theratron 780 teletherapy device containing a radioactive sealed source of cobalt-60 of approximately 3800 curies. The teletherapy source is used in the treatment of cancer patients by external beam. A patient was positioned under the teletherapy device for treatment and the technologist was setting the timer. The licensee stated that it appears that an electrical static discharge caused the treatment time value set on the timer to disappear. At the same time, the teletherapy source was actuated to the unshielded position. The technologist quickly operated the emergency stop controls to prevent further exposure to the patient. The calculated dose was included in the patient's subsequently administered treatment. No unwarranted exposure to the patient occurred. The licensee reported that similar static discharges had been noted over the past two years, but that this was the first time the source was actuated to the unshielded position.

NRC Region dispatched two inspectors to review the event with the licensee and manufacturer's representatives. A confirmatory action letter was

issued to assure patient treatments can be conducted safely pending identification and resolution of the problem.

Region I is evaluating potential generic implications of this incident.

3. Seabrook

On Wednesday, 1/24/90, a subpoena was served by the NRC on Mr. Fred Anderson, Jr., President, Ideas and Information, Inc., Exeter, New Hampshire. The subpoena calls for Mr. Anderson to provide, by 1/30/90, tapes or copies of tapes he made of Seabrook control room radio transmissions to plant personnel throughout 1989 and in January 1990. About 200 voice activated recording tapes of 90 minutes duration each are reportedly involved. Mr. Anderson has stated that he will comply with the subpoena.

4. Pilgrim Salt Service Water Pump Column Failure

On January 11 a deep draft service water pump column assembly fractured when one end of it fell six to twelve inches into a concrete floor as it was being transported horizontally between buildings. The 43 foot long column fractured 360 degrees around the circumference in a brittle manner. Subsequent testing revealed severely degraded tensile strengths and ductility in areas of the column sections. Boston Edison Company is performing additional analyses and materials testing to address operability of the four pumps in service. Preliminary evaluation indicate that the poor material properties are the result of problems in the original casting process. Boston Edison Company has issued an information report over INPO's Nuclear Network and the NRC staff is preparing a generic communication on the subject.

Region II
Items of Interest
Week Ending January 26, 1990

1. Florida Power and Light Company

On January 22 and 23, Commissioner Curtiss, accompanied by the Deputy Regional Administrator, toured the Turkey Point and St. Lucie sites.

2. Senior Management Meeting

On January 21 - 24, the Regional Administrator was in Walnut Creek, California participating the Senior Management Meeting.

3. Florida Power Corporation

On January 24, Commissioner Curtiss, accompanied by the Deputy Regional Administrator, toured the Crystal River site.

4. Enforcement Conferences

On January 23, Enforcement Conferences were conducted at St. Mary's Hospital in Norton, Virginia, and at Russell County Medical Center in Lebanon, Virginia involving intentional misadministration of diagnostic radiopharmaceuticals and falsification of records issued in a May 25, 1988, investigation report.

On January 24, an Enforcement Conference was conducted at the Humana Hospital, Greenbriar Valley in Ronceverte, West Virginia involving the accuracy of qualification, training and experience data submitted to the NRC issued in a July 24, 1987, investigation report.

5. Southeastern Utilities Emergency Planning Group

On January 25, the Southeastern Utilities Emergency Planning Group convened its Winter Quarterly meeting in Orlando, Florida. The Regional Emergency Response Coordinator participated in a roundtable discussion on January 26 regarding current issues in Emergency Preparedness which were of interest to utility emergency planners.

6. Carolina Power and Light Company

On January 26, representatives of the Carolina Power & Light Company were in the Region II Office to present a self-assessment of their performance at the H. B. Robinson facility.

7. Georgia Power Company

On January 23, 1990, high airborne radioactivity levels were discovered on the Plant Hatch refueling floor. At the time, operations were in progress to prepare for a refueling outage scheduled to start in February. Nineteen persons were identified as having low-level external contamination,

primarily on the hands and feet. The utility is continuing to monitor for any evidence of potential internal contamination. The release was limited to an in-plant radioactivity event, and the licensee is evaluating the occurrence.

8. St. Lucie Emergency Exercise

On January 24, Florida Power and Light Company conducted a partial participation emergency exercise at the St. Lucie Nuclear Power Plant. The exercise was observed by a team lead by Region II that included Regional, headquarters, and contractor team members. The exercise was successful, with no exercise weaknesses identified. There was local media interest and news coverage of the exercise and the results.

Region III
Items of Interest
Week Ending January 26, 1990

1. American Radiolabeled Chemical

American Radiolabeled Chemicals is a firm located in St. Louis, Missouri, that manufactures a broad variety of research chemicals tagged with radionuclides. On January 11, 1990, an Order Suspending Licensed Activities was issued to the licensee based on radiological safety issues and apparent willful violations. The licensee requested a management meeting with Region III staff to discuss conditions necessary to return the program to operation. This meeting was to be held on January 25, 1990, but has been postponed pending the completion of Region III's inspection report and discussion of pending NRC enforcement action with other federal agencies.

2. Zion Nuclear Power Station

On January 16, 1990, the 1A turbine-driven auxiliary feedwater pump (AFWP) was stopped during testing after running and cavitating for one minute. It was determined that the pump's discharge and recirculation valves were shut due to an inadequate procedure. Approximately one minute later the 1C motor-driven AFWP tripped due to low suction pressure caused by steam from the cavitating 1A pump that entered the common suction header. This placed the unit in an 8-hour LCO. The unit was in Mode 7, physics testing, at the time. The 1C AFWP was vented, tested and returned to service on January 17, 1990. Unit 1 went into a 7-day LCO because the 1A AFWP was out of service. The 1A AFWP was taken apart and the seals replaced. The pump was returned to service January 23rd. During the return to service procedure a valve lineup error was made which was discovered later that day during testing of the 1B motor-driven AFWP. This error would have resulted in the 1B pump delivering auxiliary feedwater to only two steam generators.

3. Davis-Besse Unit 1

On January 18, 1990, enforcement discretion was granted to Toledo Edison Company to operate the unit with one parameter (flux-delta flux-flow) of the Channel 2 Reactor Protection System (RPS) not fully operable and not tripped. Technical Specifications (TS) 3.3.1.1 require an inoperable channel to be placed in the tripped condition, thus placing the plant RPS logic in a one-out-of-three logic. The relief was granted to avoid subjecting the plant to an unnecessary plant trip should any one of the eight parameters in any of the other three RPS channels experience a spurious trip. In addition, it was also recognized that while the flux-delta flux-flow parameter was inoperable, it could still perform its intended function but approximately 0.07% full reactor power above the required trip setpoint limit. The licensee has stated that should any other component in the flux-delta flux-flow logic in Channels 1, 3 or 4 degrade beyond its TS limit, they would follow the appropriate actions of TS 3.0.3. The relief is to remain in effect until the commencement of the sixth refueling outage scheduled for February 1, 1990.

Region IV
Items of Interest
Week Ending January 26, 1990

1. B&H Wireline Services Enforcement Conference

An enforcement conference will be held January 26, 1990, with Region IV management and B&H Wireline Services to discuss weaknesses in management of the radiation safety program which contributed to a significant number of violations identified during a recent inspection.

2. Gulf States Utilities Meeting

The Senior Vice President of Gulf States Utilities (GSU) and members of his staff will be in the Region IV office today, at the request of GSU, to discuss initiatives implemented at River Bend Station to reduce radiation exposure rates.

Region V
Items of Interest
Week Ending January 26, 1990

1. Senior Management Meeting

Region V hosted the Senior Management meeting from January 21-23, 1990. Chairman Carr, the EDO, Office Directors and Regional Administrators met in the regional office for two and a half days. The primary focus of the meeting was discussion of problem plants.

2. Rancho Seco Nuclear Generating Station

The unit completed defueling in early December 1989. Major activities now in progress include the placement of systems and equipment in a layup condition, continuing efforts to locate a small leak (1 gpm maximum) in the spent fuel pool, preparation of a submittal for request for possession only license, and preparation for submittal of their decommissioning plan. The licensee has submitted to the NRC a number of license amendment requests and exemption requests in support of the closure of the facility. The submittals include:

- ° a license amendment which would prohibit movement of fuel into the Reactor Building without NRC approval;
- ° a license amendment which adds specific defueled technical specifications;
- ° an exemption request for relief from the requirement to have a site specific simulator (the licensee has stopped all work on their simulator project);
- ° a request for significant relief in the areas of their Physical Security Plan, Emergency Plan, and Training Program. The licensee intends to allow INPO accreditation of their training programs to lapse; and
- ° a request for relief from the requirements of 10 CFR 50, Appendix J, containment Leak Rate Testing.

The above items are under review by NRR. The staffing at the site stands at approximately 611, including the contract security force, down from 1650 when the unit was operating.

The SMUD Board of Directors are considering whether the SMUD staff should close the plant or whether the work should be contracted out. A decision is expected soon on this issue. According to local press reports, the SMUD Board may also consider replacing the SMUD General Manager, Dave Boggs. This report follows the recent election of Ed Smeloff as Board President. Mr. Smeloff has been described by the media as "Anti Rancho Seco" and was a driving force in the election which resulted in the

plant shutdown. The media has also reported that the SMUD Board feels that the NRC is inappropriately requiring activities to be performed at the site, considering the status of the plant. Representative Vic Fazio (D-West Sacramento) visited the site on January 18, 1990. According to media reports, Representative Fazio stated his intentions to sensitize the NRC to the Rancho Seco situation. The NRC staff has previously reminded the licensee that all applicable rules and regulations remain in effect until their license is amended.

3. Chairman Carr's Tour

- a. Chairman Carr visited the Trojan Nuclear Power Plant on January 23, 1990. The visit included discussion's with Corporate and Plant management officials regarding plant performance and a tour of the facility.
- b. On January 24, 1990, Chairman Carr visited Children's Hospital of San Francisco to discuss the proposed change to 10 CFR Part 35 to include a basic Quality Assurance (QA) Program. A discussion was held with Dr. Hirsch Handmaker and the Chairman toured the Hospital facilities. Dr. Handmaker was a major contributor to the QA manual developed by the Joint Commission on the Accreditation of Hospitals. Ed Bailey from the State of California and Bob Pate from NRC Region V were at the meeting.

4. Arizona Nuclear Power Project

On January 23, 1990, the Palo Verde AEOD Diagnostics Team held its exit meeting with APS and Region V at the Region V office. AEOD stated that the team inspection report would be issued by mid-February. AEOD discussed the team findings. APS stated that its corrective actions were already in progress.

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NRR MEETING NOTICES

January 26, 1990

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
1/29-30/90 8:30-5:00	50-275/ 323	Room 250 One California St. San Francisco	Review and discuss geophysical data and interpretations along with Hosgri Fault Zone, Diablo Canyon Long Term Seismic Program.	NRC/PG&E	H. Rood
1/30/90 8:30-12:00	50-331	White Flint Bldg. Room 14B-13	Discuss engineering priorities at the Duane Arnold Energy Center followed by a general meeting to discuss licensee actions on the following items: IE/GE task force on HPCI improvements, river water silting and plans for coping with decreased river flows.	NRC/Iowa Electric Light & Power Co.	J. Hall
1/30/90 1:30	50-275 323	White Flint Bldg. Room 8B-11	Discuss potential tech spec change allowing one pressurizer safety valve to be gagged during operation.	NRC/PG&E	H. Rood
1/30/90 1:30-4:30		White Flint Bldg. Room 14B-11	To provide an interface for NRR Management and lead technical reviewers with their C-E Owners Group (CEOG) counterparts in order to review the status of important safety and technical issues which require NRC technical review.	NRC/CEOG	J. Partlow

* Copies of summaries of these meetings will be made publicly available and placed in the respective docket file(s) in the NRC and local public document rooms.

A listing of these meeting notices can be obtained by calling 492-7424.

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JANUARY 26, 1990

NRR MEETING NOTICES

January 26, 1990

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
1/31/90 9:00-11:00		White Flint Bldg. Room 10B-13	Discuss Safety Valve Design used in French Nuclear Plants.	NRC/B&W	R. Jones
1/31/90 9:00-11:00		White Flint Bldg. Room 14B-9	Discuss the status of licensing issues for V.C. Summer Nuclear Station.	NRC/SCE&G	J. Hayes
1/31/90 9:00-12:00		White Flint Bldg. Room 6B-11	To provide an interface for NRR Management and lead technical reviewers with their C-E Owners Group (CEOG) counterparts in order to review the status of important safety and technical issues which require NRC technical review.	NRC/CEOG	J. Partlow
2/1/90 11:00-230	50-395	White Flint Bldg. Room 14B-9	Discuss the relocation of the Emergency Operating Facility V. C. Summer Nuclear Station.	NRC/SCE&G	J. Hayes
2/8/90 8:30-4:00	50-269/ 270	Hatch Nuclear Plant	Discuss the status of various licensing activities and safety initiatives at Duke Power Company's and Georgia Power Company's nuclear stations included in PDII-3 area of responsibility.	NRC/GPCo Duke Power Co.	L. Wiens
2/8/90 10:00-3:00		White Flint Bldg. Room 14B-13	Discuss the results of recent steam generator tube inspection for Millstone Unit 2.	NRC/Northeast	G. Vissing

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NRR MEETING NOTICES

January 26, 1990

<u>DATE/TIME</u>	<u>NUMBER</u>	<u>LOCATION</u>	<u>PURPOSE</u>	<u>APPLICANT/ ATTENDEES</u>	<u>NRR CONTACT</u>
2/14/90 9:30-12:00		White Flint Bldg. Room 8B-11	Discuss the following items (1) results of strategies with and without water level lowered to top of active fuel; (2) effects of power/flow/level oscillations on operator actions and fuel integrity; (3) pros and cons of revised heat capacity temperature limit (HCTL) for ATWS mitigation; (4) analytical capability needed to accurately model ATWS; (5) uncertainty in existing analyses.	NRC/GE	G. Thomas
2/28/90 1:00	50-335/ 389	White Flint Bldg. Room 16B-11	Discuss St. Lucie 1 and 2 safeguards issues.	NRC/FP&L	J. Norris
3/15/90 8:30-4:00	50-269/ 270	McGuire Nuclear Plant	Discuss the status of various licensing activities and safety initiatives at Duke Power Company's and Georgia Power Company's nuclear stations included in PDII-3 area of responsibility.	NRC/GPCo Duke Power Co.	L. Wiens

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NMSS Meeting Notices

Division of Low-Level Waste Management and Decommissioning

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
1/29-2/9		Raleigh, NC	To participate in Agreement States Program Reviews	NMSS	J. Shaffner
1/30		6B-13 OWFN	Reactor Decommissioning Costs	NMSS DOE Staff	T. C. Johnson
2/01-2/02		Springfield, IL	IDNS Agreement State Review	NMSS	J. Shaffner
2/05-2/07		Salt Lake City, UT	Agreement State Review	NMSS	J. Shaffner
2/08-2/09		Springfield, IL	IDNS Agreement State Review	NMSS	J. Shaffner
2/25-3/01		Tucson, AZ	Waste Management 90 Conference	NMSS	L. Pittiglio

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Division of Industrial and Medical Nuclear Safety

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/6	Project M-45	Baton Rouge, LA	Brief Louisiana Dept. of Environment Quality Officials on LES Project and Uranium Hexafluoride	NMSS D. Garrison, RIV B. Spell N. McDaniel, LA Official et al.	P. Loysen

Division of Safeguards and Transportation

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/21-22/90		Lexington, KY	Participate in Transportation Coordination Group meeting, Office of Civilian Radioactive Waste Management, DOE	NMSS DOE Contractors	E. Easton

Division of High-Level Waste Management

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/6-7		Las Vegas, NV Yucca Mt., NV	To discuss preliminary results of investigation on silica veins	NMSS RES State of Nevada DOE	K. Stablein

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RES. Meeting Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
<u>Director's Office</u>					
<u>Nuclear Safety Research Review Committee (NSRRC) Meetings</u>					
2/13/90		Guest Quarters Bethesda, MD	NSRRC Subcommittee meeting (with Chairman Carr in attendance)		R. Shepard 492-3723
<u>Division of Engineering</u>					
3/20-21/90		Bethesda Ramada Inn Bethesda, MD	Nuclear Plant Aging Research (NPAR): Research Review Group Meeting		J. Vora 492-3854
<u>Division of Systems Research</u>					
3/8-9/90		Washington, DC Area	Attend NUREG-1150 Peer Review Committee Meeting	J. Murphy & M. Cunningham	M. Cunningham 492-3965

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Office for Analysis and Evaluation of Operational Data

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
01/30-31		TTC Chattanooga, TN	Training Advisory Group (TAG)	AEOD, NRR, NMSS, RES, OP, GPA, RI, RII, RIII, RIV, RV	Kenneth Raglin

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Region-I.Meeting-Notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
02/07/90 9:00 am	50-244	RI Office	Management Meeting RGE&C - Ginna	Licensee and Selected RI Staff Members	McCabe
02/07/90 1:00 pm	50-29	RI Office	Licensee Presentation YAEC - Yankee Rowe	Licensee and Selected RI Staff Members	Blough
02/09/90 10:00 am	50-219	RI Office	Management Meeting GPUN - Oyster Creek	Licensee and Selected RI Staff Members	Collins

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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>
01/30/90 1:00 p.m.		Huntersville, NC	SALP Presentation - DPC McGuire facility	Licensee, RA, and selected RII and resident staff	Ebnetter
01/31/90 9:00 a.m.		York, SC	SALP Presentation - DPC Catawba facility	Licensee, RA, and selected RII and resident staff	Ebnetter
02/01/90 1:00 p.m.		RII Office	Enforcement Conference FPC - Crystal River	Licensee, RA and selected RII staff members	Ebnetter
02/09/90 10:00 a.m.		RII Office	Enforcement Conference CP&L - Harris	Licensee, RA and selected RII staff members	Ebnetter
02/20/90		New Hill, NC	SALP Presentation - CP&L Harris facility	Licensee, RA, and selected RII and resident staff	Ebnetter

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Region III Meeting notices

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees Applicant</u>	<u>NRC-Contact</u>
01/30/90	50-440 50-441	Columbus, OH	Meeting with State of Ohio Governor's Office to discuss Perry Nuclear Plant	Ohio State Governor, Regional Administrator and selected members of RIII Staff	Lickus
01/30/90 11:00 am	030-01691	Region III	VA Medical Center, DesMoines, IA - Enforcement Conference	Licensee, Deputy Regional Administrator and selected members of RIII Staff	Norelius
02/01/90 9:00 am	50-331	Region III	Iowa Electric Light & Power Company, Duane Arnold - Management Meeting	Licensee, Regional Administrator and selected members of RIII Staff	Davis
02/07/90 1:00 pm	50-346	Headquarters	Toledo Edison Company, Davis-Besse - Management Meeting	Licensee, Deputy Regional Administrator and selected members of RIII Staff	Greenman
02/09/90 1:00 pm	50-440 50-441	Perry Plant	Detroit Edison Company, Fermi - Management Meeting	Licensee and selected members of RIII Staff	Greenman
01/13/90 1:30 pm		Headquarters	Illinois Department of Nuclear Safety - Management Meeting	IDNS, EDO, GPA, Regional Administrator and selected members of RIII Staff	Lickus
02/14/90	50-341	Fermi Plant	Detroit Edison Company, Fermi - Emergency Preparedness Exercise	Licensee, Deputy Regional Administrator and selected members of RIII Staff	Norelius

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Region IV Meeting Notice

January 26, 1990

<u>Date</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant.</u>	<u>RIV Contact</u>
2/02/90 (1:00)	30-05965 35-13617	RIV	Firestone Tire & Rubber Company. Enforcement Conference to discuss weaknesses in their management of FT&R's radiation safety program.	FT&R Mngmt.	BBeach, LYandell,

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January 25, 1990

Region V Meeting Notice

<u>Date/Time</u>	<u>Docket Number</u>	<u>Location</u>	<u>Purpose</u>	<u>Attendees/ Applicant</u>	<u>NRC Contact</u>
2/11-13/90		Baltimore, MD	SES conference	J. Martin R. Scarano A. Chaffee	A. Chaffee

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