



FOIA-86-808

RESPONSE TYPE

☒ FINAL☐ PARTIAL

DATE

APR 30 1987

DOCKET NUMBER(S) (if applicable)

PDR 016
RESPONSE TO FREEDOM OF
INFORMATION ACT (FOIA) REQUEST

REQUESTER

Mr. Savero Mirarchi

PART I - RECORDS RELEASED OR NOT LOCATED (See checked boxes)

☐ No agency records subject to the request have been located.☐ No additional agency records subject to the request have been located.☐ Agency records subject to the request that are identified in Appendix _____ are already available for public inspection and copying in the NRC Public Document Room, 1717 H Street, N.W., Washington, DC.☒ Agency records subject to the request that are identified in Appendix A are being made available for public inspection and copying in the NRC Public Document Room, 1717 H Street, N.W., Washington, DC, in a folder under this FOIA number and requester name.☒ The nonproprietary version of the proposal(s) that you agreed to accept in a telephone conversation with a member of my staff is now being made available for public inspection and copying at the NRC Public Document Room, 1717 H Street, N.W., Washington, DC, in a folder under this FOIA number and requester name.☒ Enclosed is information on how you may obtain access to and the charges for copying records placed in the NRC Public Document Room, 1717 H Street, N.W., Washington, DC.☐ Agency records subject to the request are enclosed. Any applicable charge for copies of the records provided and payment procedures are noted in the comments section.☐ Records subject to the request have been referred to another Federal agency(ies) for review and direct response to you.☐ In view of NRC's response to this request, no further action is being taken on appeal letter dated _____.

PART II.A - INFORMATION WITHHELD FROM PUBLIC DISCLOSURE

☒ Certain information in the requested records is being withheld from public disclosure pursuant to the FOIA exemptions described in and for the reasons stated in Part II, sections B, C, and D. Any released portions of the documents for which only part of the record is being withheld are being made available for public inspection and copying in the NRC Public Document Room, 1717 H Street, N.W., Washington, DC, in a folder under this FOIA number and requester name.

Comments

* Appendix B records are being denied because of a proprietary claim. However, we are requesting Westinghouse to review these records as to whether portions may be released. We will let you know if NRC determines that some of the information in these records can be released.

SIGNATURE, DIRECTOR, DIVISION OF RULES AND RECORDS

Bernie H. Himsley

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PART II.B - APPLICABLE FOIA EXEMPTIONS

Records subject to the request that are described in the enclosed Appendices B are being withheld in their entirety or in part under FOIA Exemptions and for the reasons set forth below pursuant to 5 U.S.C. 552(b) and 10 CFR 9.5(a) of NRC Regulations.

1. The withheld information is properly classified pursuant to Executive Order 12356 (EXEMPTION 1)
2. The withheld information relates solely to the internal personnel rules and procedures of NRC. (EXEMPTION 2)
3. The withheld information is specifically exempted from public disclosure by statute indicated: (EXEMPTION 3)

Section 141-145 of the Atomic Energy Act which prohibits the disclosure of Restricted Data or Formerly Restricted Data (42 U.S.C. 2161-2165).

Section 147 of the Atomic Energy Act which prohibits the disclosure of Unclassified Safeguards Information (42 U.S.C. 2167).

- X 4. The withheld information is a trade secret or commercial or financial information that is being withheld for the reason(s) indicated: (EXEMPTION 4)

The information is considered to be confidential business (proprietary) information.

The information is considered to be proprietary information pursuant to 10 CFR 2.790(d)(1).

The information was submitted and received in confidence from a foreign source pursuant to 10 CFR 2.790(d)(2).

5. The withheld information consists of interagency or intraagency records that are not available through discovery during litigation. Disclosure of predecisional information would tend to inhibit the open and frank exchange of ideas essential to the deliberative process. Where records are withheld in their entirety, the facts are inextricably intertwined with the predecisional information. There also are no reasonably segregable factual portions because the release of the facts would permit an indirect inquiry into the predecisional process of the agency. (EXEMPTION 5)

6. The withheld information is exempted from public disclosure because its disclosure would result in a clearly unwarranted invasion of personal privacy. (EXEMPTION 6)

7. The withheld information consists of investigatory records compiled for law enforcement purposes and is being withheld for the reason(s) indicated. (EXEMPTION 7)

Disclosure would interfere with an enforcement proceeding because it could reveal the scope, direction, and focus of enforcement efforts, and thus could possibly allow them to take action to shield potential wrongdoing or a violation of NRC requirements from investigators. (EXEMPTION 7(A))

Disclosure would constitute an unwarranted invasion of personal privacy (EXEMPTION 7(C))

The information consists of names of individuals and other information the disclosure of which would reveal identities of confidential sources. (EXEMPTION 7(D))

PART II.C - DENYING OFFICIALS

Pursuant to 10 CFR 9.9 and/or 9.15 of the U.S. Nuclear Regulatory Commission regulations, it has been determined that the information withheld is exempt from production or disclosure, and that its production or disclosure is contrary to the public interest. The persons responsible for the denial are those officials identified below as denying officials and the Director, Division of Rules and Records, Office of Administration, for any denials that may be appealed to the Executive Director for Operations (EDO).

DENYING OFFICIAL	TITLE/OFFICE	RECORDS DENIED	APPELLATE OFFICIAL	
			SECRETARY	EDO
Ben Hayes	Dir. Office of Investigation	Appendix B EX. 4	X	

PART II.D - APPEAL RIGHTS

The denial by each denying official identified in Part II.C may be appealed to the Appellate Official identified in that section. Any such appeal must be in writing and must be made within 30 days of receipt of this response. Appeals must be addressed as appropriate to the Executive Director for Operations or to the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and should clearly state on the envelope and in the letter that it is an "Appeal from an Initial FOIA Decision."

APPENDIX A

RECORD MAINTAINED IN THE PDR UNDER THE ABOVE REQUEST NUMBER

1. 5/23/83 Memo from Richard Starostecki, to Roger Mattson, James Taylor, John Callen, subject: Generic Issue of Vendor Information Distribution. (2 pages)
2. undated Assist To Inspection Report, subject: Salem Unit I Nuclear Generating Station/Anticipated Transient Without Scram (ATWS) Event. Report: A-1-83-003. (5 pages).
3. Undated AIR Status Record (1 page).

APPENDIX BRECORDS TOTALLY WITHHELD

<u>NUMBER</u>	<u>DATE</u>	<u>DESCRIPTION & EXEMPTION</u>
1.	02/19/74	Attachment 1 to Assist to Inspection Report A-1-83-003 - NSD Data Letter 74-2 with Attachment NSD Technical Bulletin (3 pages) 4, entirety
2.	Undated	Attachment 2 to Assist to Inspection Report A-1-83-003 Cover Sheet - Outage Planning Manual Volume 11 (1 page) 4, entirety
3.	Undated	Attachment 3 to Assist to Inspection Report A-1-83-003 Outage Planning Manual - Distribution List (1 page) 4, entirety
4.	10/29/81	Attachment 4 to Assist to Inspection Report A-1-83-003 Letter to Ward from Taylor with Enclosures - Revisions to Outage Planning Manual (3 pages) 4, entirety
5.	Undated	Attachment 5 to Assist to Inspection Report A-1-83-003 Section 8/Plant Maintenance Recommendations (1 page) 4, entirety
6.	Undated	Attachment 6 to Assist to Inspection Report A-1-83-003 Appendix F <u>W</u> Data Letters/Index (7 pages) 4, entirety

MAY 23 1983

MEMORANDUM FOR: Roger J. Mattson, Director, Division of System
Integration, NRR
James M. Taylor, Director, Division of Reactor Program,
OIE
John T. Collins, Regional Administrator, Region IV

FROM: Richard W. Starostecki, Director, Division of Project and
Resident Programs, Region I

SUBJECT: GENERIC ISSUE OF VENDOR INFORMATION DISTRIBUTION

Because of the uncertainty of whether the licensee, Public Service Electric and Gas Company (PSE&G), had received certain information from Westinghouse Electric Company pertinent to the maintenance of reactor trip breakers (DB-50) and relative to the recent failures at the Salem Nuclear Generating Station, the OI Region I Field Office was requested to assist us in the matter. A copy of their Assist to Inspection Report is enclosed as Attachment 1. While their effort resulted in no firm conclusions, it appears unlikely that the appropriate individual(s) in PSE&G received the information at the time of issuance or between then and late February, 1983.

The issue of vendor information distribution and assurance of receipt and proper disposition by licensee's is one of great importance (as evidenced by the Salem ATWS events). It is also a large task that requires close initial and continuing interface between vendors and licensees and should receive scrutiny by periodic NRC inspection of both licensees' and vendors' program implementation.

It is not clear from a reading of the recommended generic actions (Mattson memo to Denton et al, dated April 27, 1983) that the required actions developed by the Salem Generic Implications Task Force will achieve the expected goal. The reason for this is the diversity of programs which probably will be established by licensees and vendors. Additionally, the requirement for lists of vendor technical information, and the technical information itself, to be available on site for NRC inspection will not provide assurance that the list is complete at all times and could involve considerable inspection time for comparison.

In light of this, we recommend that the following additional actions be considered:

A. Intermediate Term Actions To Be Taken By Licensees

(3) Vendor Interface

- Require licensee to implement a system of positive feedback with their vendors for mailings containing technical information. This could be accomplished by licensee acknowledgement for receipt of technical mailings and would require vendors to annotate receipt by licensees on the vendor's distribution list.
- Explore with INPO their role as a clearing house for distribution of vendor technical information with a positive feedback mechanism to ensure licensee receipt.

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B. Staff Program Changes

(6) Vendor Inspection

- Include in Vendor Inspection Program, review of vendor compliance to licensee required information handling systems.
- Include in resident/regional inspection program, review of licensee implementation of its information handling system.

If you have any questions on these recommendations, please call.

Original Signed By:

Richard W. Starostecki, Director
Division of Project and Resident
Programs

Enclosure: As Stated

cc w/encl:
D. Eisenhut, NRR
E. Jordan, IE
J. Gagliardo, RIV
U. Potapovs, RIV

bcc w/encl:
DPRP Branch Chiefs

RI:DPRP

Ke/mig/meo
5/23/83

RI:DPRP

Starostecki

OFFICIAL RECORD COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INVESTIGATION, FIELD OFFICE, REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406
ASSIST TO INSPECTION REPORT

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SUBJECT: SALEM UNIT 1 NUCLEAR GENERATING STATION/ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENT

REPORT NUMBER: A-1-83-003

REFERENCE: NUREG-0977 (NRC Fact-Finding Task Force Report on the ATWS Event at Salem Nuclear Generating Station, Unit 1, on February 25, 1983)

On February 22, 1983, a trip demand condition without scram existed for about three seconds at the Salem Unit 1 Nuclear Generating Station, which is operated by Public Service Electric and Gas (licensee). The condition was not recognized by the licensee until after an anticipated scram without transient (ATWS) occurred on February 25, 1983, and the February 22, 1983 event was subsequently reevaluated. The reevaluation determined that an ATWS had also existed for about three seconds on February 22, 1983.

A Region I Fact-Finding Task Force determined that the two events may have been a result of improper maintenance on the Westinghouse's DB-50 circuit breakers. The licensee determined that the reactor trip breakers failed to open automatically due to mechanical binding of the latch mechanism in the under voltage trip attachments on the breakers. During both the February 22 and February 25, 1983 evaluations, Salem Unit 1 had to be manually tripped after the automatic system failed to function as intended.

In January of 1974 a Westinghouse Technical Bulletin (NSD-74-1) was issued which described a reactor trip breaker failure caused by excessive friction of the latch mechanism and recommended that the reactor trip breaker be given regularly scheduled periodic inspections/maintenance. In addition, the Technical Bulletin recommended lubricating the under voltage device occasionally with a molybdenum disulfide lubricant. In February of 1974, a Westinghouse NSD Data Letter (NSD-74-2) was issued providing further guidance relating to the maintenance of the Westinghouse DB-50 circuit breakers. Attachment (1) contains both of the above mentioned Westinghouse documents.

The NRC Task Force reviewed and determined that the reactor trip breakers had not been included in a licensee preventive maintenance program and a lubricant different from that recommended in the Westinghouse Data Letter (NSD-74-2) had been applied to the breakers in as late as January 1983.

The purpose of this Assist to Inspection Report was to determine the circumstances surrounding the Westinghouse transmittal and the licensee receipt of the two aforementioned documents (Attachment (1) pertains).

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On March 17, 1983 Robert A. STOKES, Manager Project Logistics, Westinghouse's Nuclear Service Integration Department (NSID) was interviewed by Peter J. CONNOLLY at Westinghouse's Monroeville, PA, Nuclear Center. STOKES advised that Technical Bulletin, NSD-7B-74-1 was issued on January 11, 1974. However, he commented that the Nuclear Service Division (NSD) data letter, dated February 19, 1974, canceled the forementioned technical bulletin. He noted that the technical bulletin had contained incorrect information regarding the type of lubricant for maintenance of the Reactor Trip Breaker and that the data letter provided the correct type of lubricant to be used.

INVESTIGATOR'S NOTE: Nuclear Service Division is now called Nuclear Service Integration Department.

Mr. STOKES explained that in 1974 there was no formal system to determine if the customer, in this case Public Service Electric and Gas, received the forementioned documents. He noted that at the time, according to Westinghouse policy, the two directives were sent to the Westinghouse construction site staff. He explained that these two documents in 1974 would have been forwarded to the construction site manager, Jim DOLAN, and Westinghouse's two site electrical engineers, Jim NADZAN and Howard MASQUELIER. He said that each individual would have received a copy of both documents and that they should have discussed the documents with the customer so as to insure that the documents were implemented and that the required action was taken. He reiterated that at construction sites there was no formal procedure to distribute the documents directly to the customer from Westinghouse.

STOKES advised that he had contacted DOLAN, NADZAN and MASQUELIER concerning this incident. According to STOKES, DOLAN, who is currently the construction site manager for Millstone, could not recall discussing the technical bulletin or data letter with Public Service Electric and Gas personnel. He said DOLAN reported that, in cases such as this, the briefing would have been assigned to the respective field engineers with the understanding that they would work with the customer's counterparts. According to STOKES, DOLAN said that NADZAN or MASQUELIER should have discussed the documents with the appropriate customer personnel. STOKES added that he contacted NADZAN who is currently working at the Angra Nuclear Power Plant Construction Site in Angra, Brazil. He said NADZAN remembered the documents; however, he said NADZAN could not recall anything additional except that the documents fell into MASQUELIER's area and he should have implemented them. STOKES said he contacted MASQUELIER (who is retired) and MASQUELIER recalled that he talked to a Public Service Electric and Gas maintenance man by the name of Harry with a Polish surname, which he could not recall, concerning the documents; however STOKES commented that MASQUELIER said he could not recall specifics of the brief but that MASQUELIER assumed that the licensee was provided copies of the documents. According to STOKES, MASQUELIER currently lives on the West Coast.

STOKES explained that in 1974, 30 nuclear power plants had DB-50 breakers and should have received the forementioned NSD data letter via the site manager and electrical engineers. He said Westinghouse inquiries with the 30 plants disclosed that only Salem 1 and 2 and Indian Point 3 did not have the documents. He noted that in 1974, Indian Point 3 belonged to Con Edison and was subsequently sold to the Power Authority of the State of New York (PASNY). He noted that Con Edison's Indian Point 2, which was under construction in 1974 with Indian Point 3, had the documents on file. He said in all probability, the Indian Point 3 documents were lost when Indian Point 3 was transferred to PASNY's ownership.

STOKES also commented that in October 1981, Public Service Electric and Gas was provided with an Outage Planning Manual for its Salem Plants. He noted that this was a revised issue after results of meetings with Public Service Electric and Gas. He said the manual was issued on October 29, 1982, and he provided Attachment (2), a cover sheet of the manual; Attachment (3), the Salem Unit 1 distribution list; and Attachment (4), a memo implementing the manual. STOKES advised that in Section 8 of the manual, subtitle 8.1 paragraph 31, a copy of which is Attachment (5), it was documented that Westinghouse data letters were included in Appendix F. STOKES released Attachment (6) which is a copy of Appendix F which indexes the Reactor Trip Breaker Maintenance Data Letter; however, he said the Outage Planning Manual did not contain the data letter but only indexes it. It was noted that the Westinghouse distribution list for the data letters listed DOLAN, NADZAN and MASQUELIER as recipient.

In conclusion, STOKES summarized that in 1974, the data letters and technical bulletins were sent from Westinghouse's Nuclear Service Department (NSD) directly to the site manager and the engineers and not to the licensee. He said it was the responsibility of the site managers and the engineers to discuss the documents with the licensee and provide them with copies.

On March 21, 1983, Howard MASQUELIER, former Westinghouse Electrical Engineer at the Salem Unit 1 Nuclear Generating Station from August 1973 to June 1976 (now retired and living in California), was telephonically interviewed by Investigator Richard A. MATAKAS. MASQUELIER did recall receiving the documents in Attachment (1) during the time he worked at Salem Unit 1. He said he was sure that he discussed both the data letter and technical bulletin with a Public Service Electric and Gas maintenance supervisor identified as Harry CHOMIAK. He said that he thought that they (the Westinghouse site representatives) provided the documents to Public Service Electric and Gas with a letter of transmittal; however, he could not recall the Public Service Electric and Gas reply but believes that they agreed to some type of corrective action. MASQUELIER did not provide any additional pertinent information.

INVESTIGATOR'S NOTE: Contact with John MCADOO, Westinghouse Assistant Manager of Nuclear Safety on April 13, 1983 failed to confirm the existence of a Westinghouse letter of transmittal and/or Public Service Electric and Gas's response relating to the data letter and technical bulletin contained in Attachment (1).

On April 5, 1983, Harry CHOMIAK, former Public Service and Gas Maintenance Supervisor at Salem Unit 1, now retired, was interviewed at his residence by Investigator Richard A. MATAKAS. CHOMIAK viewed both the technical bulletin and data letter contained in Attachment (1) and advised that to the best of his memory he had never seen them before nor had he discussed their contents with anyone. He did not recall either Howard MASQUELIER or the names of any other Westinghouse site representatives during the time he worked at Salem Unit 1 as the Salem Unit 1 maintenance supervisor. He did not provide any additional pertinent information.

On March 23, 1983, Edward WATJEN, current Westinghouse Site Service Manager since December 1980, was interviewed by Investigator Richard A. MATAKAS at Salem Unit 1. WATJEN said that subsequent to the Salem Unit 1 February 1983 events, he did locate the Westinghouse Data Letter (72-2) in "an old Westinghouse volume of data letters"; however, he said he was not familiar with the fore-mentioned data letter prior to the February events and had not had an occasion to discuss its contents with anyone prior to the events.

Regarding the "Outage Planning Manual" that Westinghouse provided to Public Service Electric and Gas in 1981, WATJEN stated that the original purpose of the manual was to assist the licensee in planning for outages; however, the manual did not appear to have been used that much. He said that the manuals were brought to the site in 1981 by home office personnel and distributed per the distribution list (Attachment (3) pertains) to the licensee for comment.

A review of WATJEN's Westinghouse Planning Manual revealed that the manual did not contain the 74-2 Data Letter in Appendix F and that Appendix F was void of all documents including Attachment (6), the Appendix F index listing. WATJEN did not provide any additional pertinent information.

On March 22 and 23, 1983, the Outage Planning Manuals assigned to the following individuals were reviewed by Investigator Richard A. MATAKAS and none of the manuals were found to contain the Westinghouse Data Letter 74-2 contained in Attachment (1):

Donald WARD - Outage Planning Coordinator, Public Service Electric and Gas
John GALLAGHER - Public Service Electric and Gas Maintenance Manager
John DRISCOLL - Assistant Plant Manager, Public Service Electric and Gas

All of the above mentioned individuals advised that they were not aware of the Westinghouse Data Letter (74-2) prior to February 25, 1983. In addition, John DRISCOLL stated that the Planning Manual was never used as an operating document and that an exhaustive search subsequent to the February 25, 1983 event, failed to surface the document in any Public Service Electric and Gas file. He added that all Public Service Electric and Gas Planning Manuals on station that were provided to Public Service Electric and Gas by Westinghouse were reviewed and none of the manuals were found to contain the document.

On March 22, 1983 a review of the following documents in the Salem Unit 1 Technical Document Room (TDR) by Investigator Richard A. MATAKAS failed to surface either of the Westinghouse's documents contained in Attachment (1):

Manual for "Replacement of Undervoltage Attachment on Breakers in Reactor Trip Switchgear"

Manual for "Instructions for Types DB-50, DBF-16 and DBL-50 Air Circuit Breakers"

Prepared by:

Richard A. Matakas 4-14-83
Richard A. Matakas, Investigator
Office of Investigations
Field Office, Region I

Approved by:

R. Keith Christopher 4/15/83
R. Keith Christopher, Director
Office of Investigations
Field Office, Region I

AIR (ASSIST TO INSPECTION) STATUS RECORD

INSTRUCTIONS: This form is to be completed whenever significant activity has occurred relative to a case or at least every 30 days. If no change has occurred during the 30 day reporting period, indicate "No Change" in the status block. Keep the original with the case file and send one copy to Headquarters, Office of Investigations.

CASE NUMBER	CATEGORY		OFFICE			
A-1-83-003	<input checked="" type="checkbox"/> O - OPERATING REACTOR	<input type="checkbox"/> I - INDIVIDUAL LICENSEE	OI:RI			
	<input type="checkbox"/> C - REACTOR UNDER CONSTRUCTION	<input type="checkbox"/> M - MATERIALS/FUEL				
	<input type="checkbox"/> V - VENDOR	<input type="checkbox"/> X - OTHER				
ASSIGNED TO Richard A. Matakas		SUBJECT Salem Nuclear Generating Station, Unit 1; Anticipated transient without scram (ATWS) event at Salem Unit 1				
STATUS (Specify date, and provide a brief description)						
<p>March 14, 1983: On February 22, 1983, a trip demand condition without scram existed for about (3) seconds at Salem Unit 1. The condition was not recognized by the licensee until a similar event occurred on February 25, 1983, and a subsequent reevaluation of the February 22, 1983 event. A Region I fact finding task force determined that ATWS may have been a result of a lack of maintenance on the Westinghouse DB-50 circuit breakers. Westinghouse allegedly sent a technical bulletin to the licensee in 1974 addressing corrective maintenance procedures on the breakers; however, the licensee claimed to have never formally received the bulletin. The purpose of this AIR is to determine what happened to the Westinghouse TB addressing the DB circuit breaker maintenance issue.</p>						
<p>March 31, 1983: To date, interviews indicate that the licensee never formally received the aforementioned technical bulletin. Investigation is continuing.</p>						
<p>April 1, 1983: To date, interviews indicate that the licensee never formally received the aforementioned technical bulletin. Investigation continuing.</p>						
<p>April 13, 1983: Investigation indicates that the licensee never formally received the aforementioned technical bulletin/data letter from Westinghouse. Report typed 4/13 and is being reviewed.</p>						
<p>April 15, 1983: Closed</p>						

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