

United States Nuclear Regulatory Commission



Report to the Commission

Review of NRC's Relationship With TVA's Nuclear Safety Review Staff (NSRS)

Office of Inspector and Auditor

December 1987

NOTICE

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DEC 28 1987

MEMORANDUM FOR: Chairman Zech
Commissioner Roberts
Commissioner Bernthal
Commissioner Carr
Commissioner Rogers

FROM: Sharon R. Connelly, Director
Office of Inspector and Auditor

SUBJECT: REVIEW OF NRC'S RELATIONSHIP WITH TVA'S
NUCLEAR SAFETY REVIEW STAFF (NSRS)

Attached is our report on the results of our review of NRC's relationship with the Tennessee Valley Authority's (TVA) Nuclear Safety Review Staff (NSRS) regarding NRC's receipt and distribution of NSRS reports prior to January 1, 1985.

This review was conducted in response to a letter dated March 19, 1986, from Congressman John Dingell to the Chairman. The Chairman provided Congressman Dingell with an interim response dated June 4, 1986, and informed Congressman Dingell that the Office of Inspector and Auditor (OIA) would obtain the additional information not included in the interim response of June 4, 1986. The attached report contains the information we obtained in response to Congressman Dingell's request.

Our review was conducted during the period from July 1986 through June 1987. We relied primarily on responses to questionnaires sent to certain current NRC Headquarters personnel; certain current and former NRC Region II personnel; and certain current and former TVA personnel. In addition, we interviewed two former senior officials of NRC Region II and one former NSRS official.

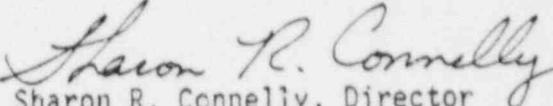
Conclusion

Based on our review of responses to the questionnaires and interviews we found there were no formal or informal arrangements between NRC and TVA's NSRS to routinely provide NSRS reports to NRC prior to January 1, 1985. Our review indicated that NRC's senior regional management was aware of NSRS' existence and general activity since NSRS' inception. Both Region II and NSRS understood that the NSRS organization and its activities were not a regulatory requirement. However, NSRS did cooperate with Region II in providing NSRS reports when requested by Region II senior management or by Region II inspectors when visiting a TVA site.

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Our review identified 29 NSRS reports that the NRC Headquarters and Region II staffs had access to or received. This includes six reports previously identified in NRC's June 4, 1986 interim response to Congressman Dingell.


Sharon R. Connelly, Director
Office of Inspector and Auditor

Attachment:
As stated

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INTRODUCTION

The Office of Inspector and Auditor (OIA) has conducted an inquiry to determine whether the Nuclear Regulatory Commission (NRC) had any formal or informal arrangements with the Tennessee Valley Authority (TVA) for the routine receipt or distribution of TVA's Nuclear Safety Review Staff (NSRS) reports prior to January 1, 1985. The NSRS, which is no longer in existence, was responsible for independently reviewing and monitoring all aspects of the TVA nuclear program, and providing advice to the TVA Board of Directors.

BACKGROUND

The Chairman, NRC, received a letter dated March 19, 1986, from Congressman John D. Dingell, Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, U.S. House of Representatives, requesting certain information regarding TVA's NSRS reports (Appendix I). Essentially, Congressman Dingell requested information regarding NSRS reports published prior to January 1, 1985, and the arrangements by which those reports may have been provided or made available to the NRC staff. In particular, Congressman Dingell wanted to know the names of the NSRS reports provided, the names of NRC staff who received them, the names of TVA personnel who provided them, and the final disposition of the reports.

Congressman Dingell suggested that the specified information he wanted be obtained from all current or former NRC employees who were based in Region II from January 1, 1980 through January 1, 1985 and were at the Project Branch Chief level or above. He requested that information be provided by sworn affidavit. He also requested that employees who do not possess information of this kind should be requested to so state under oath.

In addition, Congressman Dingell requested that past and present senior NSRS officials be interviewed under oath for the purpose of determining their knowledge of providing NRC staff with copies of NSRS reports during the period of January 1, 1980 through January 1, 1985.

By letter dated June 4, 1986, the Chairman, NRC, provided Congressman Dingell with an interim response to his request (Appendix II). The interim response contained information obtained from current NRC employees who were in the Region II office during the specified period, and who held the position of Branch Chief or above. The response also identified six NSRS reports the Region II staff had access to or received, and noted three additional, unidentified reports had been received from confidential sources.

The Chairman informed Congressman Dingell that the interim response did not include information from former NRC employees or present and past TVA employees. The Chairman stated that OIA would obtain the information regarding past NRC employees and current and past TVA employees.

By memorandum dated June 4, 1986, the Chairman requested the Director, OIA, to obtain the information described in the interim response.

SCOPE

Our review was conducted in accordance with generally accepted Government auditing standards during the period from July 1986 through June 1987. Our review relied primarily on responses to questionnaires sent to certain current NRC Headquarters personnel; certain current and former NRC Region II personnel; and certain current and former TVA personnel. In addition, we interviewed under oath, James P. O'Reilly, former Regional Administrator, Region II; Richard Lewis, former Deputy Regional Administrator (and prior to that, Director, Division of Reactor Projects and Resident Programs) Region II; and Kermit Whitt, former Assistant Director, NSRS, TVA.

METHODOLOGY

By memorandum dated July 17, 1986, we informed the Commission of our plans to obtain the information requested by Congressman Dingell (Appendix III). Our review depended substantially on the use of survey questionnaires designed to solicit responses to Congressman Dingell's inquiries. We initially surveyed all current and former Region II professional staff regardless of position; certain current NRC Headquarter's staff who were likely to have knowledge of TVA related activities; and certain current and former TVA personnel, including all former NSRS personnel, who were likely to have knowledge of NSRS reports provided to NRC. The purpose of the survey questionnaire was to identify those NRC personnel who had or may have had access to or read NSRS reports, and those TVA personnel who had or may have provided or made available such reports to NRC. For example, region based inspectors who were not in a position of branch chief or above, may have visited a TVA site and had access to NSRS reports. To that extent, our interest was in identifying as many personnel as possible who were aware of or had access to such reports. Copies of our survey questionnaires are at Appendix IV.

We sent survey questionnaires to current NRC employees on August 12, 1986. In order to solicit written information from everyone except NRC employees, Office of Management and Budget (OMB) approval was required in accordance with the Paperwork Reduction Act of 1986 (44 U.S.C. Chapter 35), and NRC Manual Chapter 0230, "Collection of Information and Reports Management." OMB approval was received on September 5, 1986, and was effective through September 30, 1987. This OMB requirement applied to non-current NRC employees and both current and non-current TVA employees. We sent survey questionnaires to former NRC employees on September 23, 1986; and to current and former TVA employees on October 7, 1986.

Upon receipt of the responses to the survey questionnaire, we mailed a follow-up questionnaire to selected respondents who indicated some knowledge of or involvement in the relationship between NRC and NSRS. The second questionnaire was designed to obtain more detailed information regarding their knowledge of NSRS reports to which NRC had access. A copy of the detailed follow-up questionnaire is at Appendix V.

In February 1987, we also sent a follow-up letter to individuals who had not yet responded to the initial questionnaire requesting that they respond.

To accommodate Congressman Dingell's request to obtain the information under oath or by sworn affidavit, both questionnaires required each respondent to sign a statement attesting to the accuracy of the information provided. To assure that the statement met the legal intent of Congressman Dingell's

requirement, we used a statement of certification from Title 28, Judiciary and Judicial Procedure, paragraph 1746, Unsworn Declaration Under Penalty of Perjury. At our request, the Office of the General Counsel, NRC, reviewed the usage of the statement and, by memorandum dated August 8, 1986, informed us that the statement of certification was acceptable.

The one objection to the questionnaire we received from some recipients was their reluctance to sign the certification statement. We encouraged respondents to sign the certifications but, in some cases in order to get responses, agreed to respondents' requests to alter the wording in the certification to state in essence, that the information provided was true and correct "to the best of their knowledge."

At the outset of our review we decided to interview both James P. O'Reilly, former Regional Administrator, and Richard Lewis, former Deputy Regional Administrator, Region II, rather than sending them questionnaires. These interviews were conducted on May 13, 1987. The information was provided under oath and recorded by an independent, professional reporting service.

We did send questionnaires to the former managers of NSRS. We also interviewed Kermit Whitt, former Assistant Director, NSRS, on May 12, 1987. Because of the detailed response to our questionnaire provided by the former Director, NSRS, we did not see a need to interview him. A verbatim copy of his response is provided as Appendix VI.

FINDINGS

The results of our interviews and the responses to our questionnaires indicate that a vast majority of both current and former NRC and TVA personnel we surveyed were unaware of any formal or informal arrangement between NRC and TVA's NSRS to routinely provide NSRS reports to NRC prior to January 1, 1985. Our analysis showed that 96.5 percent of the respondents believed there was no formal arrangement and 87.1 percent believed there was no informal arrangement. The absence of formal or informal arrangements was also confirmed in our interviews with both Mr. O'Reilly and Mr. Lewis the former Regional Administrator and Deputy Regional Administrator, respectively, as well as Mr. Whitt, former Assistant Director for NSRS.

Our review indicated that NRC's senior Regional management was aware of NSRS' existence and general activity since NSRS' inception. However, both Region II and NSRS understood that the NSRS organization and its activities were not a regulatory requirement. Therefore, NSRS was not required to report to NRC, TVA was not required to provide NSRS' reports to NRC, and NRC was not required to inspect or oversee NSRS' activities.

Notwithstanding this, NSRS did cooperate with Region II in providing NSRS reports when requested and in attending NRC Region II enforcement conferences regarding TVA's nuclear power program. Based on our discussions with Mr. O'Reilly, Mr. Lewis and Mr. Whitt, the majority of interactions between NRC and NSRS occurred between Mr. Lewis and Mr. Whitt. It appears that their relationship was open and informal. Further, some Region II staff, (i.e., the resident inspectors,) did solicit or review NSRS reports as part of their routine activity at the site. They did not consider NSRS reports to be "off-limits."

Our review showed that reports were generally provided by NSRS to Region II upon their request. In most cases, the requests were by Mr. Lewis in his position as Director, Division of Reactor Projects and Resident Programs, to Mr. Whitt, the Assistant Director, NSRS. The reports were then either returned to NSRS, thrown away, or, in some cases, stored in the resident inspector's files at the site.

Our review identified 23 NSRS reports that the Region II staff had access to or received in addition to the six NSRS reports identified in Enclosure 2 to the June 4, 1986 interim NRC response to Congressman Dingell. These 29 reports are listed in Appendix VII. In addition, information we developed relating to the specific questions raised by Congressman Dingell regarding the list of TVA employees who identified specific NSRS reports provided to NRC prior to January 1, 1985, and a list of NRC employees who indicated to us they had requested/received/read NSRS reports prior to January 1, 1985, is shown in Appendices VIII and IX, respectively.

A summary of our interviews and the responses to our questionnaires follow.

SURVEY QUESTIONNAIRE

We sent our survey questionnaire to a total of 424 addressees. We received 373 responses or about an 88 percent return. Following is a table showing the distribution of survey questionnaires sent and received by category of employment:

<u>Category of Employment</u>	<u>Number Sent</u>	<u>Number Received</u>	<u>Percent</u>
Current NRC			
Office of Inspection and Enforcement (IE)	35	35	100
Office of Nuclear Reactor Regulation (NRR)	59	59 ¹	100
Region II	165	164 ¹	99
Former NRC	55	36	65
Current & Former TVA	110	79	72
Total	424	373	87.9%

¹ One individual retired from Federal Service without responding.

FOLLOW-UP QUESTIONNAIRE

Based on the responses to the survey questionnaire, we sent 27 follow-up questionnaires to current NRC staff who had answered either "yes" or "maybe" to the question of whether they had read, received, or had access to NSRS reports prior to January 1, 1985. The 27 selected were also those respondents who were in a Branch Chief position or higher, or in some cases were resident inspectors at a TVA site. Of the 27, fifteen were at NRC Headquarters and the remaining twelve were in Region II. We received 27 responses. The information provided in the follow-up questionnaire is included in our analysis under the heading "Current NRC" on page 9 of this report.

Following is our analysis of the responses we received to our questionnaires. The format is presented by question and the responses received from each category of employment. For ease of presentation, we have grouped IE and NRR responses together as NRC Headquarters. Current and former TVA employees were asked the same questions, although some wording was changed to make the question applicable to the recipient.

The first two questions analyzed below are from the survey questionnaire. The third question is a combined response from both the survey and the detailed follow-up questionnaire.

ARE YOU AWARE OF ANY FORMAL ARRANGEMENTS BY WHICH NSRS REPORTS WERE PROVIDED TO, REQUESTED BY, OR RECEIVED BY NRC BEFORE JANUARY 1, 1985?

<u>Category of Employment</u>	<u>Responses Received</u>	<u>Yes</u>	<u>No</u>
Current NRC			
IE	35	0	35
NRR	59	0	59
Region II	164	4	160
Former NRC	36	2	34
Current and Former TVA	79	7	72
Total	<u>373</u>	<u>13</u>	<u>360</u>

Current NRC Employees

Two of the four Regional respondents that answered "yes", stated NSRS reports were reviewed in connection with the routine inspections at TVA facilities. The other two respondents answered that NSRS reports would be requested by Region II in regards to specific interests such as licensee identified issues in the media.

Former NRC Employees

The two former NRC employees that said "yes", stated that (1) inspectors had the right to review any report the utility maintained, and (2) all reports were accessible during regular inspections.

Current and Former TVA Employees

Of the seven current and former TVA employees who answered yes, two referred to the NSRS report on the Thimble Tube event at Sequoyah being provided to NRC upon request.

The response of the former Director, NSRS, stated there were two "formal" arrangements by which NSRS reports were provided to NRC:

- (1) When NRC was aware of or desired an NSRS report for official purposes, NRC requested the reports through TVA's licensing group in Chattanooga. In those cases, NSRS provided the reports to Licensing (TVA) and they in turn sent the report to NRC through official channels.
- (2) In the summer of 1984, NSRS issued a report dealing with the Thimble Tube event at Sequoyah. This report was "somehow provided to the press." After this, a formal arrangement was made by NSRS that when reports were issued a copy would be provided to TVA's Information Office. Accordingly, when reports were issued to the press, via the Information Office, the report would automatically be provided to the NRC.

Three of the TVA respondents indicated that reports were provided on a case-by-case basis when NRC requested them. The seventh respondent indicated that NSRS's Report on Mini-Management Review on Watts Bar, was submitted as part of a formal licensing submittal in February 1982.

ARE YOU AWARE OF ANY INFORMAL ARRANGEMENTS BY WHICH NSRS REPORTS WERE PROVIDED TO, REQUESTED BY, OR RECEIVED BY NRC BEFORE JANUARY 1, 1985?

<u>Category of Employment</u>	<u>Responses Received</u>	<u>Yes</u>	<u>No</u>
Current NRC			
IE	35	2	33
NRR	59	5	54
Region II	164	16	148
Former NRC	36	3	33
Current & Former TVA	79	22	57
Total	<u>373</u>	<u>48</u>	<u>325</u>

Current NRC Employees

The seven respondents from Headquarters who answered "yes", indicated that they did not have direct or specific knowledge of any informal arrangements. However, some did indicate that they were aware that Region II staff could or did obtain NSRS reports on occasion by request. The 16 respondents from Region II generally acknowledged that NSRS reports were available to NRC inspectors during inspections at the sites. One respondent specifically stated that during an inspection at Browns Ferry in March 1984, the licensee

showed him an NSRS report regarding an investigation of excess water in a radioactive resin liner shipment to the Barnwell, South Carolina disposal site. The respondent said his review of the NSRS report is documented in his inspection report.

Former NRC Employees

Of the three former NRC employees who answered "yes", one stated he believed the Region had a practice of reviewing internal reports of licensees while NRC inspectors were at the site; the second stated that all reports were accessible during regular inspections; and the third said he believes that NSRS reports "showed up" several times at Region II.

Current and Former TVA Employees

The most descriptive explanation we received regarding formal/informal arrangements was from the former Director, NSRS. A copy of his response is shown as Appendix VI. The former Director, NSRS, stated in essence, that as early as 1981, the former Regional Administrator, Mr. O'Reilly, had queried TVA about NSRS and was given a briefing about the NSRS organization and function. He said copies of reports were provided to the Regional Administrator to show the scope and depth of the overall program. He further stated that when reports were subsequently provided to the Region it was to keep the Region aware of NSRS' activities and not to notify NRC of a specific problem. The former NSRS Director stated it was his understanding that the NSRS reports were not to serve as a basis to issue findings against TVA. Also, the reports were not intended for widespread use in NRC and they were subsequently returned or destroyed. Further, NSRS interface with NRR was very limited, however, some presentations were made by NSRS management to NRR as well as the Advisory Committee on Reactor Safeguards (ACRS) subcommittee. The former Director, NSRS, concluded that there was a general understanding by NRC and NSRS that the reports were available to anyone in NRC to examine. He also said the reports were at the various plants and the resident inspectors were always aware of the existence of NSRS reports.

The other 21 TVA respondents who answered yes, generally stated that NSRS reports were either provided to NRC Region II upon request or NSRS reports were available at the sites to NRC inspectors. Also, TVA's Office of Information provided Region II with copies of NSRS reports released to the news media. Following are examples of the comments made:

Former Site Director - Sequoyah - The resident had access to and could obtain copies through our Compliance Section of any information we had except personnel records, proprietary documents and INPO draft reports. NSRS reports, draft or final, would have been available through this arrangement.

Manager of Nuclear Construction - During my time as the Bellefonte Project Manager, I routinely provided NSRS reports to the Site Resident Inspector.

Plant Manager - Browns Ferry - All NSRS reports and responses pertinent to Browns Ferry are on file at reactor sites. All of these reports are fully accessible to any authorized representative of NRC upon request.

During interviews with Mr. Whitt, Mr. Lewis, and Mr. O'Reilly we were told that there were no formal or informal arrangements whereby NSRS reports were provided to NRC on a routine basis prior to January 1, 1985.

Mr. Whitt, the former Assistant Director for NSRS, stated that nearly all NSRS reports provided to Region II were in response to requests from Mr. Lewis. (Note: Mr. Lewis was the Deputy Regional Administrator for only 3 to 4 months prior to his retirement in January 1985. Prior to that he was the Director, Division of Reactor Projects and Resident Programs, Region II.) Mr. Whitt said the requests for NSRS reports were informal, usually by telephone, and no records were maintained as to which reports were sent. According to Mr. Whitt, he occasionally called Mr. Lewis or other Region II staff and during these informal discussions of TVA and NSRS activities NSRS reports would be requested.

Mr. Whitt said the only "formal" interface between NSRS and Region II was NSRS' attendance at Region II enforcement conferences regarding TVA sites. Mr. Whitt said that Region II would request NSRS' presence at these conferences as an observer. This was confirmed by Mr. Lewis and Mr. O'Reilly. Mr. O'Reilly said he had a high regard for NSRS and their presence at enforcement conferences was one way to assure that TVA's Board would be informed of major issues and NRC's position.

Mr. Lewis explained that as Director, Division of Reactor Projects and Resident Programs, he was the focal point between the licensees and the Region for issuing all inspection reports, receiving licensee reports, and contacting licensee management for enforcement conferences. He further explained that Region II's organization was set up to centralize NRC's overall project management under his division. This was done to preclude the licensee's perception that Region II was fragmented. It also avoided having different people asking or pursuing the same thing. However, this organizational arrangement did not preclude one-on-one type interface between TVA and Region II staff regarding a technical issue.

Mr. Lewis said his emphasis was to ensure that issues dealing with management, licensing, enforcement, or reports, were handled through the Division of Reactor Projects and Resident Programs. Mr. Lewis said he typically tried to limit the receipt of any reports, procedures, etc., to himself or to a branch chief under him. The reason was to ensure proper dissemination of the report and coordination of review and follow-up inspection activities.

Mr. Lewis said that on some occasions, Region II inspectors were directed to review a particular NSRS report at the site as part of a routine inspection, rather than having the NSRS report sent to the Region.

Regarding the NSRS reports, Mr. Lewis stated that he dealt more with regulatory requirements and the broad aspects of project management. Whereas the regional specialist dealt more with the details of the NSRS report to determine whether the NSRS findings were valid and to assure that TVA was properly pursuing corrective action.

Mr. Lewis also informed us that Region II treated NSRS reports in the same manner as INPO reports, or any other organizational entity that affected safety-related activities. Region II has an agreement with INPO that

essentially provides that INPO findings would not be used as a checklist by NRC when conducting inspections. The reason being is that it would affect INPO's ability to inspect a plant. Region II used a similar rationale regarding the NSRS reports. However, this would not preclude the Region from following up on significant findings that the Region felt were not being adequately or properly pursued by INPO or NSRS.

HAVE YOU EVER REQUESTED/RECEIVED/READ ANY NSRS REPORTS PRIOR TO JANUARY 1, 1985?

<u>Category of Employment</u>	<u>Responses Received</u>	<u>Yes</u>	<u>No</u>	<u>Maybe</u>
Current NRC				
IE	35	5	26	4
NRR	59	9	47	3
Region II	164	21	120	23
Former NRC	36	3	23	10
Total	294	38	216	40

The purpose of this question was to try to identify the NRC individuals who had requested, received, or read NSRS reports; or believed they may have, but would need time to review their files to verify whether or not they had. We also asked each respondent who answered either "yes" or "maybe" to estimate the amount of time it would take to research their files to identify the NSRS reports they may have read. Our concern was to identify the impact this request for information may have had on the staff, particularly for Region II, before we asked the staff to undertake such research.

As part of our approach to further identify NSRS reports that were read or received and by whom, we sent out 27 follow-up questionnaires to certain current NRC managers and resident inspectors who had previously indicated that they had or may have read or received NSRS reports. In addition, we were interested in what disposition was made of the NSRS reports they had read or received. We received 27 responses to the follow-up questionnaire. Those responses are included in our analysis under "Current NRC."

The NRC respondents identified 15 NSRS reports they had received or had access to prior to January 1, 1985. Of the 15 reports, nine were not identified in NRC's interim response of June 4, 1986, to Congressman Dingell. These reports are identified in Appendix VII.

Current NRC Employees

Of the 21 respondents from Headquarters who answered "yes" or "maybe" 12 said they had read the Thimble Tube report when it became public. Similarly, of the 44 Region II respondents who answered "yes" or "maybe", nine said they had read the NSRS report on the Thimble Tube event after it became public. The NSRS report on the Thimble Tube event was identified in NRC's interim response to Congressman Dingell.

In addition to the Thimble Tube report, Region II respondents identified 14 other NSRS reports that they had read prior to January 1, 1985. Included in this count are five NSRS reports identified by a former resident inspector who is presently occupying an NRC Headquarters position. The former resident inspector said he reviewed the NSRS reports as part of his routine inspection program and his reviews are documented in the various inspection reports he wrote. Three of the five NSRS reports were identified in NRC's interim response of June 6, 1984 to Congressman Dingell.

Another former resident inspector identified three NSRS reports that he had reviewed at a TVA site as part of his routine inspection. None of these reports were previously identified in NRC's interim response.

Another NSRS report I-84-16-BFN, "NSRS Investigation of Concerns Related to Failures of the High Pressure Coolant Injection (HPCI) System at Browns Ferry Nuclear Plant," dated June 15, 1984, was identified by five respondents. One respondent stated that the NSRS report was reviewed after Region II became aware of NSRS' evaluation of HPCI problems at Browns Ferry. He further stated that a Region II inspection team was sent to the site October 10-12, 1984, to review HPCI operations. This NSRS report was also identified in the interim response.

Another respondent said he read NSRS report I-83-28-BFN, entitled, "Excessive Water in Radwaste Shipment from Browns Ferry Nuclear Plant," dated March 7, 1984. The respondent said the report was given to him by the licensee at the site during an inspection on March 26-30, 1984. The respondent stated that his review of the NSRS report is contained in NRC inspection report 50-259/260/296/84-12, dated May 2, 1984. Our review of the inspection report showed that it does clearly reference the NSRS report identified, and that Region II also cited the licensee a level IV violation as a result of Region II's further evaluation of the issue discussed in the NSRS report. This NSRS report was not identified in the interim response.

Four respondents identified NSRS report I-82-26-SQN, "Investigation of Alleged Improper Radiograph Techniques." This report was identified in NRC's interim response. One respondent said NRC followed up on the issue in a meeting with TVA on March 30, 1984. That follow-up was completed by Region II at Watts Bar during the period of August 13-24, 1986. Two other respondents identified three other NSRS reports which were not previously identified in NRC's interim response. A complete description of the reports identified through our questionnaire is provided in Appendix VII.

The last of the respondents identifying specific reports stated that he participated in the formulation of the June 4, 1986, interim response from the Chairman to Congressman Dingell. Therefore, the NSRS reports he remembers receiving/reading are identified in that response.

Regarding the disposition of NSRS reports, the staff disposed of reports in one of three ways; (1) they were returned to TVA; (2) thrown away; or (3) maintained in resident inspectors' offices.

Former NRC Employees

As part of our survey, we sent questionnaires to all former NRC Region II employees who were employed by NRC after the inception of NSRS, but left NRC prior to the initiation of our audit and were in positions in which they reasonably could have come in contact with NSRS reports. Of the 55 we sent questionnaires, 36 responded, of which 13 indicated that they had or may have received or read NSRS reports.

Of the 13, only one respondent, who was a Senior manager prior to his leaving the Government in 1986, said he recalled NRC requesting a copy of the Thimble Tube report when it became public. He also identified three other NSRS reports that he believes he was aware of because the reports addressed specific areas that NRC was particularly interested in. The three reports he identified are:

- R-84-04-BFN, "Initial Assessment of the Browns Ferry Regulatory Performance Improvement Plan"
- R-84-19-WBN, "NSRS Assessment of the Results of the Black and Veatch Independent Design Review of the Watts Bar Nuclear Plant Activity Feedwater System"
- R-84-26-WBN, "Routine Review of NUC PR Response to NSRS Recommendations Identified in NSRS Report R-84-19-WBN, Assessment of the Results of the B&V Independent Design Review of the WBN Auxiliary Feedwater System"

However, he also added that he personally never formally or informally requested any NSRS reports. These three reports are not included in Appendix VII because the individual claimed he did not request them nor did he know of anyone else who may have requested them.

Several respondents said it was routine practice as part of NRC's inspection process to review all information available at licensee facilities, which would have included NSRS reports. However, since none of the respondents had access to NRC records and files, they could not specifically identify any NSRS reports. Therefore, we did not follow up with these respondents to try to further identify the particular NSRS reports they may have read during their inspections.

HAVE YOU EVER PROVIDED OR MADE AVAILABLE ANY NSRS REPORTS TO NRC PRIOR TO JANUARY 1, 1985?

	<u>Responses Received</u>	<u>Yes</u>	<u>No</u>	<u>Maybe</u>
Current and Former TVA	79	6	65	8

Current and Former TVA Employees

Fourteen respondents indicated that they had or may have provided NSRS reports to NRC staff prior to January 1, 1985. Of the six who answered yes, only two specifically identified NSRS reports. One was the Thimble Tube report. The other report was a mini-management review on the Watts Bar QA program

(R-81-28-WBN), which, according to the respondent, was submitted to NRC on February 1, 1982, as a formal licensing submittal.

One of the eight respondents who said he may have provided reports to NRC was the former Director, NSRS, who provided lengthy and detailed comments to our questionnaire. His response is provided in its entirety as Appendix VI. None of the other seven respondents who indicated they may have provided or made available NSRS reports, have any records indicating that they did provide an NSRS report to NRC.

INTERVIEWS WITH FORMER SENIOR OFFICIALS

During our interviews with Mr. Whitt, Mr. Lewis, and Mr. O'Reilly we asked each of them to review a listing of NSRS reports issued between October 1979 and August 1985, to identify which reports they remember having requested/received/read. Mr. Whitt identified 17 reports that he believes he sent to Region II upon request. Mr. Lewis acknowledged receiving two of the 17, and indicated that he may have received or read the other 15 reports. Mr. Lewis identified three other reports he received, which were not identified by Mr. Whitt. Mr. O'Reilly said he could only positively identify three of the 20 reports, but explained that because of his position as Regional Administrator, he saw many reports and remembers certain subjects, but could not be certain whether his knowledge came from an NSRS report, an NRC inspection report, or a briefing by Mr. Lewis on the particular issue. However, he did state that Mr. Lewis's recollection was probably correct because he was the Region II official who would have initially received the reports.

Based on their review of the listing of NSRS reports, Mr. Whitt, Mr. Lewis, and Mr. O'Reilly, identified 20 NSRS reports received or reviewed by NRC prior to January 1, 1985. Five of the 20 reports were previously identified in NRC's June 4, 1986 interim response. A complete listing of the 20 reports is included as Appendix VII.

SUMMARY OF NSRS REPORTS RECEIVED/READ BY NRC EMPLOYEES

Between October 1979 and January 1, 1985, NSRS issued 134 reports. Our review found that Region II personnel had access to 29 NSRS reports prior to January 1, 1985 (See Appendix VII). Six of these were previously identified in the Chairman's interim response of June 4, 1986. The remaining 23 reports were identified through our questionnaires and interviews. Of these 23, fourteen were identified in our interviews with Mr. Whitt, Mr. Lewis, and Mr. O'Reilly; eight were identified in the responses to our questionnaire, and one was identified in both the interviews and questionnaire.

CONCLUSION

Based on our interviews, and our review of the responses to our questionnaires, it appears that prior January 1, 1985, NRC and TVA did not

have formal or informal arrangements under which NSRS reports were provided to NRC on a routine basis without an NRC request. However, NRC Region II management was aware of NSRS and the nature of its organization and objectives. There apparently did exist an open and informal line of communications wherein NRC could and did avail itself to of NSRS reports.

NORTHWEST CORNER

JOHN B. DONOHUE, MEMORIAL CHAIRMAN

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MICHAEL F. SWEENEY, JR.
 CHIEF COUNSEL, STAFF DIRECTOR

U.S. House of Representatives
 Subcommittee on Oversight and Investigations
 of the
 Committee on Energy and Commerce
 Washington, DC 20515

March 19, 1986

The Honorable Nunzio Palladino
 Chairman
 Nuclear Regulatory Commission
 Washington, D. C. 20555

Dear Mr. Chairman:

Pursuant to Rules X and XI of the Rules of the U.S. House of Representatives, the Subcommittee on Oversight and Investigations is conducting a legislative oversight inquiry into certain matters involving your Agency and the Tennessee Valley Authority (TVA). In accordance with that inquiry, please provide the Subcommittee with the following information concerning reports prepared by the TVA's Nuclear Safety Review Staff (NSRS):

- A list of all NSRS reports received by NRC staff prior to January 1, 1985, and the dates on which such reports were received.
- A description of the processes or arrangements by which TVA provided NSRS reports to the NRC prior to January 1, 1985.
- A listing of TVA employees who, prior to January 1, 1985, transmitted NSRS reports to the NRC.
- A listing of NRC principal recipients of NSRS reports and other NRC staff who received such reports from principal recipients.
- A description of the ultimate disposition of NSRS reports received by the NRC prior to January 1, 1985 and the action taken thereon.
- A listing of NRC memoranda or meetings which address NSRS reports (or substance contained therein) received prior to January 1, 1985.

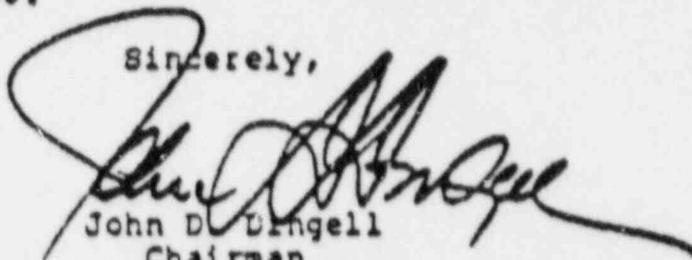
K
The Honorable Nunzio Palladino
March 19, 1986
Page 2

In order to obtain this information, we suggest that you begin by requesting the information specified above from all current or former NRC employees, who at one time during the period January 1, 1980 through January 1, 1985 were based in Region II at the Project Branch Chief level or above. Such information should be provided by sworn affidavit. Any such employee who does not possess information of this kind should be requested to so state also under oath.

In addition, past and present senior NSRS officials (including directors, deputy directors and their principal assistants) should be interviewed under oath for the purposes of determining their knowledge of the history of providing NRC staff, by formal or informal means of transmittal, copies of NSRS reports in the period January 1, 1980 through January 1, 1985.

Please provide this information to the Subcommittee prior to Monday, March 31, 1986.

Sincerely,



John D. Dingell
Chairman
Subcommittee on
Oversight and Investigations

JDD:PSdb



CHAIRMAN

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

June 4, 1986

The Honorable John Dingell, Chairman
Subcommittee on Oversight and Investigations
Committee on Energy and Commerce
United States House of Representatives
Washington, D. C. 20515

Dear Mr. Chairman:

This is an interim response to your letter dated March 19, 1986 which requested specific information from this agency concerning reports prepared by the Tennessee Valley Authority's (TVA) Nuclear Safety Review Staff (NSRS). You suggested that we obtain information from current and former NRC Region II personnel and senior NSRS officials, and that we obtain this information under oath. This response provides the information received to date from interviews of currently employed NRC headquarters and regional personnel.

As a first step in being responsive to your request, inquiries were made of current NRC employees who were assigned to our Region II office during the period January 1, 1980 to January 1, 1985, and who held the position of Branch Chief or above. These individuals are identified in Enclosure 1. Additionally, other NRC employees in the Offices of Nuclear Reactor Regulation and Inspection and Enforcement, who possibly could have received NSRS reports, were also surveyed.

Enclosure 2 contains a summary of the responses received from the inquiries to date and specifies the NSRS reports which the persons interviewed identified as having been received during the period January 1, 1980 to January 1, 1985. The list of NSRS reports identified in response to Question 1 is the most complete list we have been able to assemble based on interviews with current NRC employees and a document search of related material. Please note that some specifics have been omitted so as to protect the confidentiality of allegers.

We have not interviewed present and past TVA employees or former NRC employees in this matter. However, the NRC Office of Inspector and Auditor (OIA) has been requested to obtain information from present and past NRC and NSRS employees which is relevant and necessary for a complete understanding of our relationship with NSRS. Enclosure 3 is a listing of former NRC employees who will be interviewed. The OIA will confirm the interviews of present NRC employees, which were

not conducted under oath. It is expected that several months will be required to complete this effort based on the presently estimated scope of work, and other TVA matters under review by OIA.

With regard to your suggestion that the responses be taken under oath, to the extent practical information will be taken under oath or by sworn affidavit.

Sincerely,

Original signed by
Nunzio J. Palladino

Nunzio J. Palladino
Chairman

Enclosures:

- 1. Present NRC Region II Personnel
Serving as Branch Chief or Above
(1980-1985)
- 2. Response to Inquiry
- 3. Former NRC Region II Personnel
Serving as Branch Chief or Above
(1980-1985)

cc w/enclosures:
Rep. James W. Broyhill

Cleared with Commissioners'
Offices by C/R.

Ref: CR-86-48

Originating Office: EDO/TVA:OG

OFFICE	C/R	OCA	OCM	OCM	OCM		
RNAME	SS Shuman	U	430				
DATE	5/28/86						

ENCLOSURE 1

NRC Region II Personnel Serving As
Branch Chief Or Above, Still in NRC
(1980-1985)

Barr, K.

Brownlee, V.

Collins, D.

Dance, H.

Gibson, A.

Herd, A.

Long, F. (Recently Retired)

Martin, R.*

Olshinski, J.

Stohr, J.

Verrelli, D.

Walker, R.

* Contacted by Senior Region II management; results are included
in response contained in Enclosure 2.

ENCLOSURE 2

RESPONSE TO INQUIRY

Question 1

Provide a list of all NSRS reports received by NRC Staff prior to January 1, 1985, and the dates on which such reports were received.

Answer

Since there is no regulatory requirement for the submittal of TVA NSRS reports, the NRC has no specific procedure for docketing or formally listing information which may have been reviewed by NRC inspectors or other staff members when visiting licensee facilities. Accordingly, such a listing of reports reviewed and dates received/reviewed is not available. However, from our staff inquiries, we have identified the following NSRS reports that were received prior to January 1, 1985.

- I-82-26-SQN, "Investigation of Alleged Improper Radiography Practices," dated December 17, 1982. This report was received December 28, 1983. The issue was brought to the attention of NRC Region II by TVA which subsequently provided a copy of the NSRS report to Region II for review.
- I-84-12-SQN, "Investigation of Unit 1 Incore Instrumentation Thimble Tube Ejection Accident on April 19, 1984", dated August 1, 1984. This report was received on August 23, 1984. The report was requested by Region II management after media interest occurred.
- R-81-28-WBN, "Mini-Management Review of Watts Bar Nuclear Plant", submitted by TVA letter, Mills to O'Reilly, dated February 1, 1982, in response to Inspection Report 50-390/81-14, 50-391/81-14. This report was provided in response to a Region II request for independent review of the QA Program at Watts Bar.
- I-84-16-BNF, "NSRS Investigation of Concerns related to Failures of the High Pressure Coolant Injection (HPCI) System at Browns Ferry Nuclear Plant", dated June 27, 1984. This report was received on September 24, 1984. The report was provided to the NRC after media interest occurred.
- R-83-16-NPS, "Review of TVA's Nuclear Security Program", and R-81-13-NPS, "NSRS Special Review of TVA's Nuclear Security Program". These reports related to the TVA Nuclear Security Program and were reviewed by the NRC staff on or about October 17-21, 1983, during a routine inspection.

- Three reports related to quality assurance and construction activities were received, from confidential sources. Therefore, report numbers are not identified since they might compromise confidentiality.

It is possible that additional reports were received and/or reviewed as part of regular inspections in accordance with established inspector guidance or by the NRR Project Managers conducting routine licensing reviews on their assigned facilities. However, the above reports are the only ones specifically identified during the staff interviews and document search performed during the preparation of this response,

Question 2

Provide a description of the processes or arrangements by which TVA provided NSRS reports to the NRC prior to January 1, 1985.

Answer

Based on interviews with current NRC employees, to the best of their knowledge, prior to August 21, 1985 (see letter H. Denton to J. Willis) there was no formal requirement or request by the NRC for TVA to provide copies of NSRS reports. However, unique situations such as allegation follow up activities and media interest did present themselves, and the staff requested specific reports in response to these situations as discussed in the response to Question 1.

Question 3

Provide a listing of TVA employees who, prior to January 1, 1985, transmitted NSRS reports to the NRC.

Answer

I-82-26-SQN was provided by L. Mills. I-84-12-SQN was provided by K. Whitt. R-81-28-WBN was provided by L. Mills. I-84-16-BFN was provided by K. Whitt. R-83-16-NPS and R-81-13-NPS were provided by TVA employees during a routine inspection. The other three reports were received from confidential sources.

Question 4

Provide a listing of NRC principal recipients of NSRS reports and other NRC staff who received such reports from principal recipients.

Answer

Generally, any incoming correspondence would be addressed to the Region II office in care of the Regional Administrator. Many reviews of NSRS reports were conducted, on-site, by Resident or Regional-based inspectors in their specialty area(s) when they became aware of such reports. In addition, copies of other reports may have been received from time to time by the NRR project managers on their assigned facilities. In the case of NSRS Report No. I-84-12-SQN, the report was widely distributed to the NRR staff as an example of an unusual reactor coolant system problem.

Question 5

A description of the ultimate disposition of NSRS reports received by the NRC prior to January 1, 1985 and the action taken thereon.

Answer

The disposition of NSRS reports was as follows:

- (1) For those reports reviewed during routine inspections, they were returned to TVA as of the completion of the inspection.
- (2) The nine reports listed in Answer 1 were retained in docket or allegation files at the Region II office or returned to the licensee, with the following exceptions:
 - (a) Report I-84-12-SQN was forwarded to Headquarters due to news media interest. The report was subsequently distributed within NRR as an example of an unusual reactor coolant system problem. The report was docketed as an attachment to an inspection report.
 - (b) Working copies of Report R-81-28-WBN were destroyed when the NRC review of TVA corrective actions was completed. A copy of the report remains in the NRC document control system.
 - (c) Report I-84-16-BFN became the subject of an April 26, 1985 letter from M. Udall to N. Palladino. The staff responded to the letter on July 10, 1985.
 - (d) Reports R-83-16-NPS, August 17, 1983 and R-81-13-NPS, September 4, 1981 were reviewed at TVA facilities during an inspection. Based on the limited resources

available for this document search, the staff cannot firmly establish whether or not the documents were ever retained in the regional files or subsequently destroyed.

Actions taken by the NRC staff are documented in meeting summaries, internal NRC memoranda, or inspection reports as appropriate. These are itemized in response to Question 6.

Question 6

A listing of NRC memoranda or meetings which address NSRS reports (or substance contained therein) received prior to January 1, 1985.

Answer

-- I-82-26-SQN

The following memoranda address radiography concerns and relate to the substance contained in the referenced NSRS report:

Memo: Todd to Lewis, June 3, 1983
Memo: Uryc to Fredrickson, December 29, 1983
Memo: Uryc to Julian/Fredrickson, December 29, 1983
Memo: Blake to Uryc, February 23, 1984
Memo: Uryc to Lewis, February 27, 1984
Memo to Files, March 30, 1984 (TVA/NRC meeting)
Memo: York to Uryc, November 5, 1984

-- I-84-12-SQN

The following reports, memoranda and meeting relate to the thimble tube ejection issues identified in the referenced NSRS report:

Inspection Report 50-327/85-27 and 50-328/85-28,
October 1, 1985
Memo: O'Reilly to Vorse, October 9, 1984
Inspection Report 50-327/84-24, May 7, 1985
Inspection Report 50-327/84-12 and 50-328/84-12,
May 29, 1984
Inspection Report 50-327/84-11 and 50-328/84-11,
June 14, 1984
Significant Meeting to discuss seal table event,
September 25, 1984
Enforcement Letter, May 7, 1985

-- R-81-28-WBN

The following report and meeting relate to the mini management review of Watts Bar identified in the referenced report:

Inspection Report 50-390/81-14 and 50-391/81-14,
November 5, 1981
Management Conference to discuss results of NSRS review
of the Office of Engineering design controls
(December 15, 1981)

-- I-84-16-BFN

The following report relates to the HPCI system at Browns Ferry identified in the referenced report:

Inspection Report 50-259/84-41, 50-260/84-41, and
50-296/84-41, November 6, 1984

-- NSRS Reports Related to Quality Assurance and
Construction Activities:

The following memoranda address quality assurance and construction activities concerns contained in the referenced NSRS reports:

Inspection Report 50-327/84-33 and 50-328/84-33,
December 13, 1984
Memo: Gibbons to Uryc, December 13, 1984
Memo: Lankford to Herdt, March 7, 1984
Memo to Files, March 21, 1984
Memo: Lankford to Verrelli, March 27, 1984
Memo: Uryc to Herdt, September 19, 1984
Memo: Vorse to Alderson, February 1, 1983
Memo: Todd to Ford, June 3, 1983
Memo: Todd to Ford, July 25, 1983
Memo: Ford to Uryc, December 23, 1983
Inspection Report 50-390/84-07, 50-391/84-07,
50-438/84-02, and 50-439/84-02, March 12, 1984

-- R-81-13-NPS

-- R-83-16-NPS

The following report relates in part to the TVA nuclear security program issues identified in the referenced NSRS reports:

Meeting to discuss EA-83-69, July 20, 1983
Inspection Report 50-327/83-24, 50-328/83-24,
50-259/83-45, 50-260/83-45, and 50-296/83-45,
November 30, 1983

ENCLOSURE 3

Former NRC Region II Personnel Serving As
Branch Chief, or Above
(1980-1985)

Alderson, C.

Bemis, P.

Kellog, P.

Kenna, W.

Lewis, R.

Murphy, C.

O'Reilly, J.

Puckett, M.

Sutherland, J.

July 17, 1986

MEMORANDUM FOR: Chairman Zech
 Commissioner Roberts
 Commissioner Asselstine
 Commissioner Bernthal

FROM: Sharon R. Connelly, Director
 Office of Inspector and Auditor

SUBJECT: OIA INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT OF TVA'S
 NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

In a letter dated March 19, 1986, Congressman Dingell requested Chairman Palladino to provide the Subcommittee certain information regarding reports prepared by TVA's Nuclear Safety Review Staff (NSRS). Congressman Dingell's concerns regarded NRC's receipt and/or access to NSRS reports, the disposition of the reports, and the NRC and TVA employees involved.

By memorandum dated June 4, 1986, Chairman Palladino requested the Office of Inspector and Auditor (OIA) to complete the work necessary to respond to Congressman Dingell's letter of March 19, 1986. This memorandum is to inform you of our plans and schedule for completing that work.

We have recently obtained information regarding the work that was done by the staff for the interim response sent to Congressman Dingell by memorandum dated June 4, 1986. In order to expedite our work and to provide you with a report on our findings, we will survey by questionnaire both current and former Region II personnel. Our survey will be addressed to personnel in Region II who we believe may have had an opportunity to have come in contact with NSRS reports, regardless of the position they held in the regional office. The survey will also include the Region II personnel listed in enclosures 1 and 3 to the Chairman's letter of June 4, 1986, to Congressman Dingell.

We will also survey by questionnaire current and former NSRS personnel and other TVA officials who we believe may have routinely interfaced with Region II personnel.

Our questionnaires will be designed to solicit responses to the concerns Congressman Dingell identified in his March 19, 1986, letter. In addition, each respondent will be requested to sign the questionnaire attesting to the accuracy of the information provided.

We estimate that our field work and report to you should be completed by October 10, 1986. This estimate is based on the assumptions that the responses will be returned in a timely manner and that little or no extensive follow-up work will be required.

OFFICE						
JRNAME						
DATE						

In some instances, it may be necessary to conduct personal interviews to obtain information and/or further clarification of information provided in the questionnaire responses. However, we will keep you informed of any schedule changes as they develop.

If you have questions or comments regarding our approach or the schedule, we will be happy to meet with you.

Original signed by
Sharon R. C

Sharon R. Connelly, Director
Office of Inspector and Auditor

Distribution

TVA Subject

TVA Reading

OIA Reading

USRS - Durgell

ZECH/NSRS
HARRY



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

APPENDIX IV

August 12, 1986

MEMORANDUM FOR: NRC Personnel

FROM: Sharon R. Connelly, Director
Office of Inspector and Auditor

SUBJECT: OIA's INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT
OF TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

In a letter dated March 19, 1986, Congressman John Dingell requested Chairman Palladino to obtain under oath or by sworn affidavit certain information regarding the NRC staff's receipt of or access to reports prepared by the TVA's Nuclear Safety Review Staff (NSRS). The Office of Inspector and Auditor (OIA) was subsequently requested by Chairman Palladino to obtain information concerning arrangements which may have been made for NRC's receipt of or access to reports prepared by NSRS.

OIA understands that there may have been formal and informal arrangements for NRC to review or have access to NSRS reports and that on occasions Region II personnel received NSRS reports and/or had access to NSRS reports at TVA Headquarters offices or reactor sites. We are only interested in arrangements entered into prior to January 1, 1985.

In order to assist us in our inquiry, we have prepared the attached questionnaire that you are requested to complete. The purpose of this questionnaire is to ascertain the number of employees who had or may have had access to NSRS reports and the estimated time it would take those employees to review their records to obtain certain facts regarding the NSRS reports. We are not requesting that a detailed search of records be conducted at this time for the purpose of this questionnaire. Therefore, for those individuals who know they have requested/received/read NSRS report(s) or need more time to make such a determination, we will follow up with another questionnaire that addresses the specific concerns of Congressman Dingell. The follow-up questionnaire will

require you to provide information regarding, but not limited to, the identification of NSRS reports, regulatory issues identified in the reports, resolution of issues, and disposition of the report(s).

We have attached a list of NSRS reports which may assist you in recalling whether you requested/received/read any of the NSRS reports prior to January 1, 1985.

YOUR RESPONSE IS REQUESTED NO LATER THAN FIVE DAYS FROM THE DATE OF THIS MEMORANDUM.

If you have any questions regarding the information requested, please contact Richard Donovan of my staff on (FTS) 492-4458.

Sharon R. Connelly

Sharon R. Connelly, Director
Office of Inspector and Auditor

Attachment:
Questionnaire

OIA INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT
OF TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

1. Name: _____

2. Current Position: _____

3. Are you aware of any formal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?
Yes ___ No ___

Please describe those arrangements.

4. Are you aware of any informal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?
Yes ___ No ___

Please describe those arrangements.

5. Have you ever requested/received/read any NSRS reports prior to January 1, 1985?

___ Yes

___ No

___ I may have requested/received/read NSRS reports, but I will have to review my records in order to determine whether I have or have not; and/or to identify the particular NSRS reports that I may have requested/received/read.

6. If you answered No to question 5, please read, sign, and date the certification at the end of this questionnaire.

If you answered Yes or indicated that you may have, but need time to review your records, go to question 7, then please read, sign and date the certification at the end of this questionnaire.

7. Please estimate the number of manhours you believe it would require for you to review your records to determine: (1) whether you have requested/received/read any NSRS reports; (2) which specific reports you received or read; (3) how you obtained the report(s); (4) source from which the report(s) was obtained; (5) regulatory issues identified in the report(s); (6) NRC's resolution of any regulatory issues; and (7) disposition of the report(s). Estimated manhours _____.

WE ARE NOT ASKING YOU TO MAKE A DETAILED REVIEW OF YOUR RECORDS AT THIS TIME. YOU MAY BE SENT A SECOND QUESTIONNAIRE AT A LATER DATE.

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

Signature: _____ Date: _____

Name (print or type): _____

Address: _____

City, State: _____ Zip: _____

Telephone: Home () _____
Work () _____



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

September 24, 1986

Former NRC Personnel

SUBJECT: OFFICE OF INSPECTOR AND AUDITOR'S INQUIRY INTO THE
DISTRIBUTION AND/OR RECEIPT OF TVA'S NUCLEAR SAFETY
REVIEW STAFF REPORTS

In a letter dated March 19, 1986, Congressman John Dingell requested former NRC Chairman Palladino to obtain under oath or by sworn affidavit certain information regarding the NRC staff's receipt of or access to reports prepared by the TVA's Nuclear Safety Review Staff (NSRS). The Office of Inspector and Auditor (OIA) was subsequently requested by Chairman Palladino to obtain information concerning arrangements which may have been made for NRC's receipt of or access to reports prepared by NSRS.

OIA understands that there may have been formal and informal arrangements for NRC to review or have access to NSRS reports and that on occasions Region II personnel received NSRS reports and/or had access to NSRS reports at TVA Headquarters offices or reactor sites. We are only interested in arrangements which existed prior to January 1, 1985.

In order to assist us in our inquiry, we have prepared the enclosed questionnaire that you are requested to complete. The purpose of this questionnaire is to ascertain the number of former employees who had or may have had access to NSRS reports. For those individuals who indicate that they know they have requested/received/read NSRS report(s), we may follow up with another questionnaire that addresses the specific concerns of Congressman Dingell. The follow-up questionnaire will ask you to provide information regarding, but not limited to, the identification of NSRS reports, regulatory issues identified in the reports, resolution of issues, and disposition of the report(s).

We have enclosed a list of NSRS reports which may assist you in recalling whether you requested/received/read any of the NSRS reports prior to January 1, 1985.

We would greatly appreciate your immediate response to and return of this questionnaire in the enclosed envelope. If you have any questions regarding the information requested, please contact Richard Donovan of my staff on our toll free numbers (in Maryland 1-800-368-5642, extension 2-4458 or outside Maryland 1-800-426-8096, extension 2-4458).

Sincerely,



Sharon R. Connelly, Director
Office of Inspector and Auditor

Enclosure:
Questionnaire

CIA INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT
OF TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

1. Name: _____
2. Position held before leaving NRC: _____
3. Are you aware of any formal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?
Yes ___ No ___

Please describe those arrangements.

4. Are you aware of any informal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?
Yes ___ No ___

Please describe those arrangements.

5. Have you ever requested/received/read any NSRS reports prior to January 1, 1985?

___ yes

___ no

___ I may have requested/received/read NSRS reports, but I would have to review NRC records in order to determine whether I have or have not; and/or to identify the particular NSRS reports that I may have requested/received/read.

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

Signature: _____ Date: _____

Name (print): _____

Address: _____

City, State: _____ Zip: _____

Telephone: Home () _____ Work () _____



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Approved by:
OMB No. 3150-0137
Expires September 30, 1987

October 7, 1986

Current and Former TVA Personnel

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION INQUIRY INTO THE DISTRIBUTION
AND/OR RECEIPT OF TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

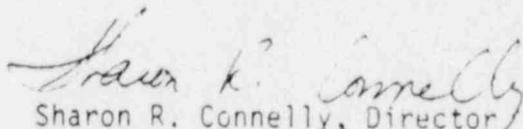
Congressman John Dingell has requested the Chairman of the U.S. Nuclear Regulatory Commission (NRC) to obtain under oath or by sworn affidavit certain information regarding the NRC staff's receipt of or access to reports prepared by the TVA's Nuclear Safety Review Staff (NSRS). The Office of Inspector and Auditor (OIA) was subsequently requested by the Chairman, NRC, to obtain information concerning arrangements which may have been made for NRC's receipt of or access to reports prepared by NSRS. OIA is NRC's internal audit and investigative organization equivalent to TVA's Inspector General. OIA understands that there may have been formal and informal arrangements for NRC to review or have access to NSRS reports and that on occasions NRC Region II personnel received NSRS reports and/or had access to NSRS reports at TVA Headquarters offices or reactor sites. We are only interested in arrangements entered into prior to January 1, 1985.

In order to assist us in our inquiry, we have prepared the attached questionnaire that you are requested to complete. The purpose of this questionnaire is to ascertain the number of employees who may have provided and/or made available NSRS reports to NRC and the estimated time it may take you to review your records to verify certain facts regarding the NSRS reports. We are not requesting that a detailed search of records be conducted at this time for the purpose of this questionnaire. Therefore, for those individuals who know they have provided NSRS report(s) to NRC or need more time to make such a determination, we will follow up with another questionnaire that addresses the specific concerns of Congressman Dingell. The follow-up questionnaire will require you to provide information regarding, but not limited to, the identification of NSRS reports provided to NRC, regulatory issues identified in the reports, resolution of issues, and the NRC staff to whom NSRS reports were provided and/or made available.

We have attached a list of NSRS reports which may assist you in recalling whether you provided or made any of the NSRS reports available to NRC prior to January 1, 1985.

We would greatly appreciate your immediate response to and return of this questionnaire in the enclosed envelope. If you have any questions regarding

this questionnaire, please contact Richard Donovan of my staff on (FTS) 492-4458 or call our toll free numbers (in Maryland 1-800-368-5642, extension 2-4458 or outside of Maryland 1-800-426-8096, extension 2-4458).


Sharon R. Connelly, Director
Office of Inspector and Auditor

Attachment:
Questionnaire

NRC INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT
OF TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

1. Name: _____

2. Current Position at TVA or Position Held Before Leaving TVA:

3. Are you aware of any formal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?
Yes ___ No ___

Please describe those arrangements.

4. Are you aware of any informal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?
Yes ___ No ___

Please describe those arrangements.

5. Have you ever provided or made available any NSRS report(s) to NRC staff prior to January 1, 1985?

___ Yes

___ No

___ I may have provided or made available NSRS reports to NRC staff, but I will have to review my records in order to determine whether I have or have not; and/or to identify the particular NSRS reports that I may have provided or made available.

6. If you answered No to question 5, please read, sign, and date the certification at the end of this questionnaire.

If you answered Yes or indicated that you may have, but need time to review your records, go to question 7, then please read, sign and date the certification at the end of this questionnaire.

7. Please estimate the number of manhours you believe it would require for you to review your records to determine whether you have provided or made available any NSRS reports to the NRC staff and/or to identify which specific reports you are familiar with. In considering the estimated amount of time, we are interested in (1) identifying the specific NSRS report(s); (2) method by which provided; (3) person(s) to whom you provided the report(s); (4) regulatory issues identified in the report(s); and (5) the resolution of any regulatory issues by TVA. Estimated manhours _____.

WE ARE NOT ASKING YOU TO MAKE A DETAILED REVIEW OF YOUR RECORDS AT THIS TIME. YOU MAY BE SENT A SECOND QUESTIONNAIRE AT A LATER DATE.

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

Signature: _____ Date: _____

Name (print or type): _____

Address: _____

City, State: _____ Zip: _____

Telephone: Home () _____
Work () _____



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

November 12, 1986

Approved by:
OMB No. 3150-0137
Expires 10/30/87

MEMORANDUM FOR: Current and Former NRC Personnel

FROM: Sharon R. Connelly, Director
Office of Inspector and Auditor

SUBJECT: OIA FOLLOWUP QUESTIONNAIRE CONCERNING
NRC STAFF ACCESS TO NSRS REPORTS

In mid-August you received a questionnaire from the Office of Inspector and Auditor asking for certain information about your knowledge of and/or access to TVA's NSRS reports issued prior to January 1, 1985. Your response stated that you have or may have information regarding NRC's access to or receipt of NSRS reports, but that you would require additional time to review your records. As we indicated in the previous questionnaire, we would be sending you a second questionnaire asking for specific information. Attached is the follow-up questionnaire. Also attached is a list of NSRS reports which may assist you in recalling the reports you may have requested, received, or read. In addition, for your convenience we have included a copy of your response to our initial questionnaire.

We would greatly appreciate your immediate response to and return of this questionnaire in the enclosed envelope. If you have any questions regarding this questionnaire, please contact Richard Donovan of my staff on (FTS) 492-4458 or call our toll free numbers (in Maryland 1-800-368-5642, extension 2-4458 or outside of Maryland 1-800-426-8096, extension 2-4458).


Sharon R. Connelly, Director
Office of Inspector and Auditor

Attachments:
As Stated

OIA INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT OF
TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

1. Name: _____

2. Current Position or Position Prior to Leaving:

3. Position(s) Held During 1/1/80 - 1/1/85:

(a) _____

(b) _____

(c) _____

4. Did any of the position(s) you held include responsibility for inspection activities for operating reactors and/or reactors under construction at TVA? Yes ___ No ___

Please describe. _____

5. Have you ever requested/received/read any NSRS reports?

Yes ___ No ___ Don't recall ___

6. Please identify the report(s) by number, if possible, from the attached listing, who gave the report or the means by which you obtained the report, and the reasons for your interest in each report.

<u>Report No.</u>	<u>Received From</u>	<u>Approximate Date Received</u>	<u>If not received but given access Read (Date & Place)</u>
_____	_____	_____	_____
_____	_____	_____	_____

Reason for interest: _____

7. Were there any regulatory issues in the NSRS report(s) you read?

Yes ___ No ___ Don't recall ___

8. Please describe the regulatory issue(s) and identify the NSRS report(s) in which the issue(s) was identified?

9. Did NRC follow-up on the issue? Yes ___ No ___

How was it resolved? _____

10. Did you report the issue to your management? Yes ___ No ___

How was this information reported and to whom was it reported?

11. What physical disposition was made of each report you had?

12. Other comments/remarks: _____

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

Signature: _____ Date: _____

Name (print or type): _____

"Response of Former Director, NSRS"

NRC INQUIRY INTO THE DISTRIBUTION AND/OR RECEIPT
OF TVA'S NUCLEAR SAFETY REVIEW STAFF (NSRS) REPORTS

Are you aware of any formal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?

Yes.

Please describe those arrangements.

Prior to January 1, 1985, there were two formal arrangements by which NSRS reports were provided to NRC.

1. When NRC was aware of, or desired an NSRS report for official purposes, the report was requested through the licensing group in Chattanooga (at the time run by Larry Mills). In these cases, NSRS provided the report to Mr. Mills and he sent the report to NRC through official channels.
2. In the summer of 1984, NSRS issued a report dealing with the thimble tube ejection accident at Sequoyah Plant. The report was somehow provided to the press. After the report was provided to the press, a formal arrangement was made by NSRS that when reports were issued, a copy would be provided to the TVA Information Office. It was my understanding that any time TVA provided a report to the press (via Information Office) the report would automatically be provided to the NRC.

Are you aware of any informal arrangements by which NSRS reports were provided to, requested by, or received by NRC before January 1, 1985?

Yes

Please describe those arrangements.

On a number of occasions NSRS reports were informally provided to NRC prior to January 1, 1985. The reports were provided for the following reasons and under the following circumstances.

1. In late 1980 or early 1981, Mr. Willis (the TVA General Manager) indicated to me that Mr. O'Reilly (the Regional NRC Director) was not convinced that NSRS was doing much of anything. I told Willis that was primarily since he didn't know what we were involved with. I recall going to Atlanta and sitting down with O'Reilly and providing him with a summary of what the NSRS program was and I'm sure I carried a few reports with me to indicate the scope and depth of our reports. I believe I did this on later occasions to keep O'Reilly aware of our activities. When reports were provided to the Region, it was primarily to indicate the scope and depth of the overall program - not to notify NRC of a specific problem. NSRS always provided the NSRS reports to the line organization within TVA and if the identified problems required reporting to NRC, the line had the responsibility to report the identified item through formal channels.
2. On several occasions, one or more members of the staff went to Atlanta to brief the NRC on a specific report. This would have come up because the NRC was aware that we had a given item under investigation and wanted to know of the findings. I specifically remember Mike Kidd making a presentation on an investigation he made, although I don't remember if the report was provided or not.
3. When reports were provided to the Region informally, it is my understanding that the reports were used to determine what NSRS was doing, not as a basis for them using NSRS reports to issue findings against TVA. The reports were not intended for widespread use in NRC and were returned or destroyed (I don't know which).
4. In the case of the thimble tube ejection accident at SQN, NRC staff from the Region came to NSRS offices and examined all the reports on the accident, transcripts and all support data. Later the information was provided to NRC.
5. As regards the NRC in Washington, NSRS interfacing with NRR was very limited. NSRS (primarily the Director) went to NRR for some presentations and provided summary viewgraphs regarding reviews at Watts Bar and I believe some statements regarding the NSRS findings on the Black and Veatch study. Also made one presentation to the ACRS subcommittee indicating the scope of the staff activities.
6. There was general understanding by NRC both in the Region and in NRR that the NSRS reports were available for anyone in NRC to examine. Further, the reports existed at the various plants and the NRC resident inspectors were always aware of the existence of NSRS reviews, investigations and reports.

Schedule of NSRS Reports Read by NRC Region II
Prior to January 1, 1985

NSRS Reports Issued October 1979 - August 1985

NSRS Reports Identified in:

<u>Report No.</u>	<u>Date Issued</u>	<u>Subject</u>	<u>NSRS Reports Identified in:</u>				
			<u>6/4/86</u> <u>Int. Resp</u>	<u>OIA</u> <u>Quest</u>	<u>OIA</u> <u>Whitt</u>	<u>Interviews of</u> <u>Lewis O'Reilly</u>	
R-80-02-BFN	January 9, 1980	Nuclear Safety Review Staff Investigation of Browns Ferry Unit 3 Containment Leakage Problem - Dec. 6-9, 1979			X	X	
R-81-08-BFN	May 15, 1981	Major Management Review of the Office of Power and the Office of Health and Safety Management Controls			X	?	
R-81-13-NPS	September 4, 1981	Special Review of TVA's Nuclear Security Program	X	X	X	?	
R-81-14-OEDC (BLN)	September 19, 1981	Major Management Review of the Office of Engineering Design and Construction			X	?	
R-81-15-PURCH	September 8, 1981	Major Management Review of the Division of Purchasing Management Controls Affecting Bellefonte Nuclear Plant			X	?	
R-81-19-NPS	September 29, 1981	Special Review of the TVA Quality Assurance Program			X	?	

X - denotes identified report
? - denotes possible but not 100% sure

Schedule of NSRS Reports Read by NRC Region II
Prior to January 1, 1985

NSRS Reports Issued October 1979 - August 1985

NSRS Reports Identified in:

<u>Report No.</u>	<u>Date Issued</u>	<u>Subject</u>	<u>NSRS Reports Identified in:</u>				
			<u>6/4/86</u> <u>Int. Resp</u>	<u>OIA</u> <u>Quest</u>	<u>OIA</u> <u>Whitt</u>	<u>Interviews of</u> <u>Lewis</u>	<u>O'Reilly</u>
R-81-28-WBN	January 20, 1982	Mini-Management Review of Watts Bar Nuclear Plant	X	X	X	?	
R-81-30-BFN	December 18, 1981	Browns Ferry Nuclear Plant - Special Review of Security Training and Security Systems		X			
R-81-31-NPS	March 31, 1982	Special Review of the Division of Nuclear Power Operating Training Program			X	?	2
R-82-01-PSS	March 19, 1982 (Safeguards)	Management Review of Public Safety Service		X			
R-82-07-WBN	June 9, 1982	Inspection Practices of Structural Steel Welds - Special Report			X	?	
R-82-08-NPS	February 23, 1983	Review of the Office of Power Water Quality Program			X	?	
R-82-16-BLN	September 19, 1982	Investigation of Alleged Improper Termination of Services of a Personal Services Contract Employee			X	?	

X - denotes identified report

? - denotes possible but not 100% sure

Schedule of NSRS Reports Read by NRC Region II
Prior to January 1, 1985

NSRS Reports Issued October 1979 - August 1985

NSRS Reports Identified in:

<u>Report No.</u>	<u>Date Issued</u>	<u>Subject</u>	<u>NSRS Reports Identified in:</u>					
			<u>6/4/86</u> <u>Int. Resp</u>	<u>OIA</u> <u>Quest</u>	<u>Whitt</u>	<u>OIA Interviews of</u> <u>Lewis O'Reilly</u>		
I-82-26-SQN	December 17, 1982	Investigation of Alleged Improper Radiograph Techniques	X	X			X	
I-83-04-SQN	February 11, 1983	Sequoyah Nuclear Plant - Concerns Relating to Quality Assurance Activities Within the Construction Electrical Engineering Unit						X
I-83-13-NPS	June 7, 1983	Investigation of Concern Regarding Quality Engineering Branch Records				X		?
I-83-17-BLN	July 27, 1983	NSRS Review of TVA's Nuclear Security Program	X	X				
R-83-19-OQA	August 24, 1983	Major Management Review of the Office of Quality Assurance				X		
I-83-21-SQN	December 12, 1983	Employee Concern - Violation of Quality Assurance Procedures at Sequoyah Nuclear Plant - Division of Construction						X

X - denotes identified report
? - denotes possible but not 100% sure

Schedule of NSRS Reports Read by NRC Region II
Prior to January 1, 1985

NSRS Reports Issued October 1979 - August 1985

NSRS Reports Identified in:

<u>Report No.</u>	<u>Date Issued</u>	<u>Subject</u>	<u>6/4/86</u>	<u>OIA</u>	<u>OIA</u>	<u>Interviews of</u>		
			<u>Int. Resp</u>	<u>Quest</u>	<u>Whitt</u>	<u>Lewis</u>	<u>O'Reilly</u>	
I-83-28-BFN	March 7, 1984	Excessive Water in Radwaste Shipment from Browns Ferry Nuclear Plant						
R-84-02-WBN	April 13, 1984	Watts Bar Nuclear Plant Operational Readiness Review						
R-84-05-WBN	June 4, 1984	Operational Readiness Review - Phase II						
R-84-06-NPS	May 25, 1984 (Safeguards)	Review of TVA's Nuclear Security Program					X	X
I-84-12-SQN	August 1, 1984	Sequoyah Nuclear Plant - Investigation of Unit 1 Incore Instrumentation Thimble Tube Ejection Accident on April 19, 1984	X	X			X	X
R-84-15-WBN	December 27, 1984	Watts Bar Nuclear Plant - Operational Readiness Review - Phase II						

X - denotes identified report
? - denotes possible but not 100% sure

Schedule of NSRS Reports Read by NRC Region II
Prior to January 1, 1985

NSRS Reports Issued October 1979 - August 1985

NSRS Reports Identified in:

<u>Report No.</u>	<u>Date Issued</u>	<u>Subject</u>	<u>NSRS Reports Identified in:</u>				
			<u>6/4/86</u> <u>Int. Resp</u>	<u>OIA</u> <u>Quest</u>	<u>OIA</u> <u>Whitt</u>	<u>Interviews of</u> <u>Lewis</u>	<u>O'Reilly</u>
I-84-16-BFN	June 15, 1984	NSRS Investigation of Concerns Related to Failures of the High Pressure Coolant Injection (HPCI) System at Browns Ferry Nuclear Plant	X	X	X	?	
R-84-20-BFN	July 30, 1984	Assessment of the Browns Ferry Regulatory Performance Improvement Plan			X	?	
I-84-30-BFN	December 7, 1984	Investigation of Problems Concerning Category I Supports at Browns Ferry Nuclear Plant			X	?	
I-84-31-BFN	November 8, 1984	Investigation of Browns Ferry Nuclear Plant Unit 3 Startup from Cold Condition with RHR in Shutdown Cooling Mode on October 22, 1984		X	X	X	X

X - denotes identified report
? - denotes possible but not 100% sure

TVA Employees Who Identified NSRS Reports Provided to NRC
Prior to January 1, 1985

<u>Employee</u>	<u>Report No.</u>	<u>Report Subject</u>
Gerald Brantley	I-84-12-SQN	Thimble Tube
Lawrence Nobles	I-84-12-SQN	Thimble Tube
Ralph Shell	R-81-23-WBN	Mini-Management Review on Watts Bar QA
Kermit Whitt	See Appendix VII	

NRC Employees Who Identified NSRS Reports Read/Received

Prior to January 1, 1985

CURRENT EMPLOYEES:

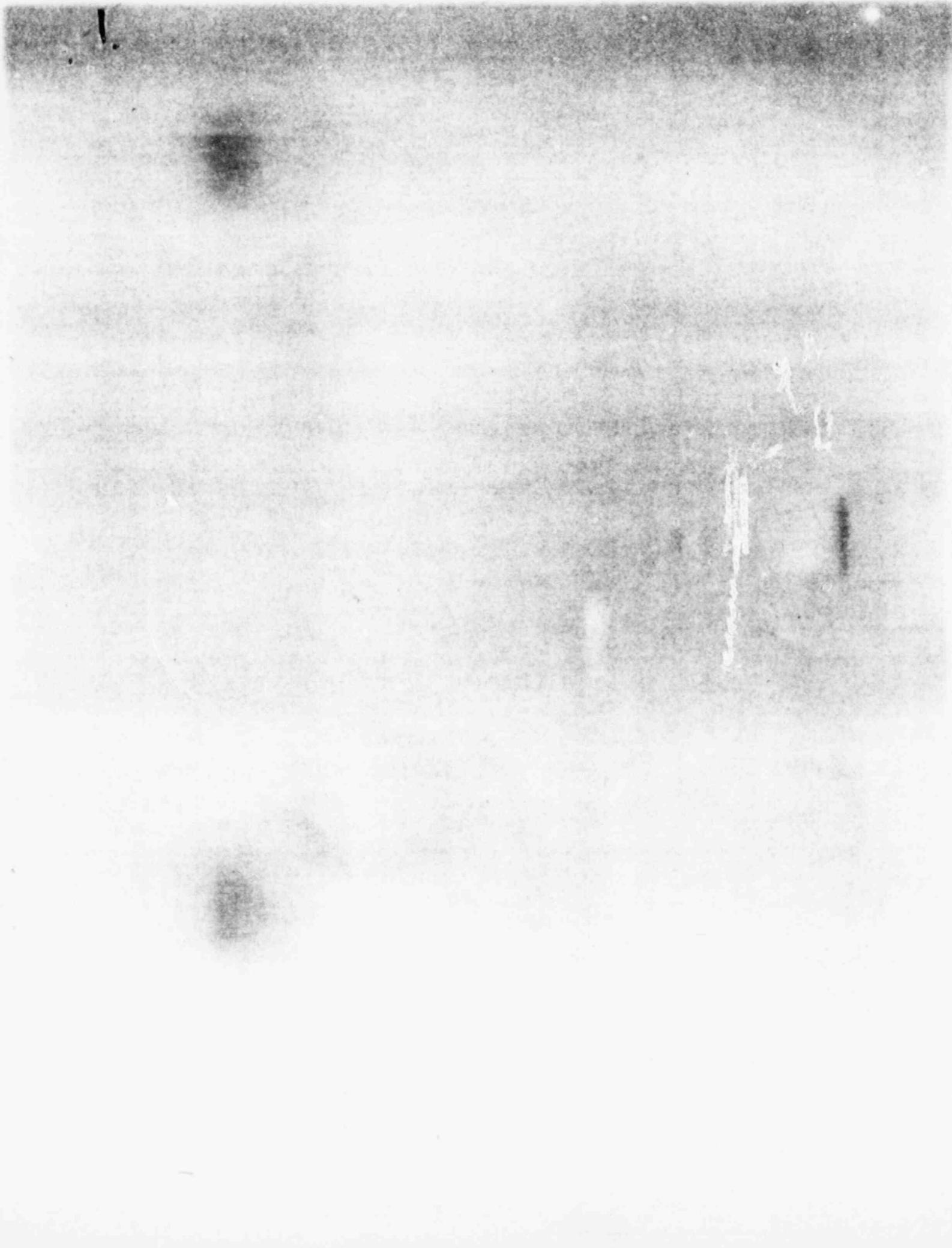
<u>Employee</u>	<u>Report No.</u>	<u>Report Subject</u>
Elinor Adensam	I-84-12-SQN	Thimble Tube
A. Bill Beach	I-84-12-SQN	Thimble Tube
Charles Brooks	I-84-16-BFN I-84-31-BFN	Failure of HPCI at Browns Ferry Browns Ferry Startup from Cold Condition with RHR in Shutdown Cooling Mode
P. T. Burnett	I-84-12-SQN	Thimble Tube
Steven Butler	R-81-28-WBN R-81-13-NPS R-81-30-BFN R-82-01-PSS R-83-16-NPS	Mini-Management Review at Watts Bar Nuclear Security Browns Ferry Security Training and Security Systems Routine Review Sequouah Confidential Employee Concern (believed to be I-83-16-NPS because there is no R-83-16-NPS)
Floyd Cantrell, Jr.	I-84-16-BFN	Failure of HPCI at Browns Ferry
Douglas Collins	I-84-12-SQN	Thimble Tube
Albert Gibson	I-84-12-SQN	Thimble Tube
Alan Herdt	I-82-26-SQN	Alleged Improper Radiograph Techniques
George Jenkins	I-84-12-SQN	Thimble Tube
Caulde Julian	I-84-16-BFN I-82-26-SQN	Failure of HPCI at Brown Ferry Alleged Improper Radiograph Techniques

<u>Employee</u>	<u>Report No.</u>	<u>Report Subject</u>
Phillip McKee	I-84-12-SQN	Thimble Tube
	I-84-16-BFN	Failure of HPCI at Browns Ferry
Warren Minners	I-84-12-SQN	Thimble Tube
Frank J. Miraglia	I-84-12-SQN	Thimble Tube
Daniel Murphy	I-84-12-SQN	Thimble Tube
Thomas Novak	I-84-12-SQN	Thimble Tube
James G. Partlow	I-84-12-SQN	Thimble Tube
Charles Patterson	I-84-16-BFN	Failure of HPCI at Browns Ferry
Charles Rossi	I-84-12-SQN	Thimble Tube
Frank Schroeder	I-84-12-SQN	Thimble Tube
Milton Shymlock	R-84-02-WBN	Watts Bar Plants Operational Readiness Review
	R-84-05-WBN	Watts Bar Plants Operational Readiness Review - Phase II
	R-84-15-WBN	Watts Bar Plants Operational Readiness Review - Phase III
Carl Stahle	I-84-12-SQN	Thimble Tube
James Taylor	I-84-12-SQN	Thimble Tube

<u>Employee</u>	<u>Report No.</u>	<u>Report Subject</u>
Bruno Uryc	I-82-26-SQN I-83-04-SQN I-83-21-SQN	Alleged Improper Radiograph Techniques Sequoyah - Concerns re Quality Assurance Within Construction Electrical Engineering Unit Violation of QA Procedures at Sequoyah - Division of Construction
James Vorse	I-84-12-SQN	Thimble Tube
Roy Weddington	I-83-28-BFN	Excessive Water in Radwaste Shipment from Browns Ferry
Stephen Weise	I-84-12-SQN	Thimble Tube
Everett Williamson	I-84-12-SQN	Thimble Tube
John York	I-82-26-SQN	Alleged Improper Radiograph Techniques

FORMER EMPLOYEES:

Richard Lewis	See Appendix VII	
John Olshinski	I-84-12-SQN	Thimble Tube
James O'Reilly	See Appendix VII	



ppn



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

OFFICE OF THE
SECRETARY

February 12, 1988

MEMORANDUM FOR: Betsy Shelburne, Chief
Public Document Room

FROM: Sandy Showman, Chief
~~Correspondence~~ and Records Branch

SUBJECT: RELEASE OF OIA REPORT, "REVIEW OF
NRC'S RELATIONSHIP WITH TVA'S NUCLEAR
SAFETY REVIEW STAFF (NSRS)

The attached OIA report has been cleared with the
Commissioners, OIA and OGC for release to the
public. Please place the attached copy in the PDR.

cc: DCS